

**CONSULTANT COMPETITIVE NEGOTIATION ACT (CCNA)**  
**CONTINUING PROFESSIONAL ARCHITECTURAL**  
**AND ENGINEERING SERVICES AND OTHER SERVICES**

**WORK AUTHORIZATION FORM**

**PURSUANT TO REQUEST FOR PROPOSAL**

**(RFP) # FY 2018-2019-012**

1. The Firm receiving the Work Authorization will have five (5) business days to return the completed Work Authorization to the Project Manager via email.
2. The Work Authorization must include all costs for the Project utilizing a Fee Worksheet with hours and fees per Exhibit B - Hourly Billing Rates for Tasks Orders. The Cost Proposal must include a narrative schedule of deliverables and a summary of compensation which could be through an excel worksheet.
3. The costs for the Project must include all meetings and all costs required for the Project.

Task No.	Task Description
1.	Pre-Design: <ul style="list-style-type: none"> <li>a. Field Review/Kick-Off Meeting</li> <li>b. Data Collection</li> <li>c. Geotechnical Report</li> <li>d. Surveying</li> </ul>
2.	Design: <ul style="list-style-type: none"> <li>a. Design Analyses</li> <li>b. 60% Submittals (plans and estimates)</li> <li>c. 100% Submittals (plans, estimates, and specifications)</li> <li>d. Final (Signed and Sealed)</li> <li>e. Utility Coordination</li> <li>f. Permitting</li> <li>g. Client Meetings</li> </ul> Submittals are ONLY deemed accepted if approved in writing by the City.
3.	Post Design Services: <b>Not included</b>
4.	Bidding Services: <b>Not included</b>
5.	Engineering Services During Construction: <b>Not Included</b>
	<b>TOTAL COSTS ITEMS 1 - 6 \$ <i>See Attached Scope of Services Proposal</i></b>

**Work Authorization**  
Under  
Agreement between the City of Hallandale Beach and  
**R.J. Behar & Company, Inc.**  
For

**Public Works Compound Stormwater System Modification Design Services**

RFP # FY 2018-2019-000 CONSULTANT COMPETITIVE NEGOTIATION ACT (CCNA)  
CONTINUING PROFESSIONAL ARCHITECTURAL AND ENGINEERING SERVICES

This Work Authorization is issued pursuant to the Agreement between the City of Hallandale Beach ("City") and R.J. Behar & Company, Inc. ("Consultant") for RFP # FY 2018-2019-012 CONSULTANT COMPETITIVE NEGOTIATION ACT (CCNA) CONTINUING PROFESSIONAL ARCHITECTURAL AND ENGINEERING SERVICES (the "Agreement"), which was approved by the City Commission on August 5, 2020, via Resolution # 2020-054.

1. This Work Authorization permits Consultant to provide the services described in Exhibit "A" to this Work Authorization, attached hereto and incorporated herein. These services are authorized by Article 3 of the Agreement.

2. **Compensation and Method of Payment.**

2.1 Payment for the services authorized by this Work Authorization will be in accordance with Article 10 of the Agreement and the agreed method of compensation is as follows (Check those boxes that apply. Amounts indicated herein should not include any sums set aside as contingency. Monies indicated as contingency in project budgets or estimates are subject to the change order authorization provisions of the Agreement):

☒ 2.1.1 **Maximum Amount Not-To-Exceed Compensation.** City shall pay Consultant for the performance of all services set forth in Exhibit A to this Work Authorization, pursuant to the terms of the Agreement, up to a maximum amount not-to-exceed of **\$73,532.00**. It is understood that the method of compensation is that of "maximum amount not-to-exceed" which means that Consultant shall perform all services set forth herein for total compensation in the amount of or less than that stated above.

☐ 2.1.2 **Lump Sum Compensation.** City shall pay Consultant for the performance of all services provided pursuant to Exhibit A, as required under the terms of the Agreement.

☒ 2.1.3 **Reimbursable Expenses.** City has established a maximum amount not-to-exceed of **\$1,308.14** for potential reimbursable expenses that may be utilized pursuant to Section 9.2 of the Agreement.

2.2 Payments for this Work Authorization shall be charged against: Budget account # **440-3695-565010-P2215**

3. Time for Performance.

3.1 Consultant shall perform the services described in Exhibit A within the time periods specified in the Project Schedule included in Exhibit A. The Project Manager shall issue to Consultant a written Notice to Proceed for said time periods to commence.

3.2 ☐ If this box is checked, liquidated damages shall be applicable. In the event Consultant fails to complete the services identified in Exhibit "A" to this Work Authorization, on or before the Time for Performance set forth herein, Consultant shall pay to City the sum of \$\_\_\_\_\_ for each calendar day after the applicable Time for Performance, plus approved time extensions thereof, until completion of the service. These amounts are not penalties but are liquidated damages to City for its inability to proceed with, and complete, the service in a timely manner pursuant to the agreed upon Schedule. Liquidated damages are hereby fixed and agreed upon by the parties, recognizing the impossibility of precisely ascertaining the amount of damages that will be sustained by City as a consequence of such delay, and both parties desiring to obviate any question or dispute concerning the amount of said damages and the cost and effect of the failure of Consultant to complete the services within the applicable Time for Performance. This provision shall not affect the rights and obligations of either party as set forth in Section 3.7 of the Agreement.

4. The terms and conditions of the Agreement are hereby incorporated into this Work Authorization. Nothing contained in this Work Authorization shall alter, modify, or change in any way the terms and conditions of the Agreement with the City.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement on the respective dates under each signature: CITY OF HALLANDALE BEACH through its City Manager's authorization pursuant to Sec. 23-8(7), Code of Ordinances to execute same and **R.J. Behar & Company, Inc.**, signing by and through its president duly authorized to execute same.

CITY

ATTEST:

CITY OF HALLANDALE BEACH

*Jenorgen Guillen*  
Jenorgen Guillen (May 19, 2022 13:35 EDT)  
CITY CLERK

By: *Jeremy Earle*  
Jeremy Earle (May 19, 2022 11:10 EDT)  
City Manager

19 Day of May, 2022.

Approved as to legal sufficiency and form by  
CITY ATTORNEY

*Jean Mue*  
City Attorney

18 Day of May, 2022.

[CONSULTANT EXECUTION ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement on the respective dates under each signature, **R.J. Behar & Company, Inc.** signing by and through its **President, Robert J. Behar**, duly authorized to execute same.

**CONTRACTOR MUST EXECUTE THIS CONTRACT AS INDICATED BELOW. USE CORPORATION OR NONCORPORATION FORMAT, AS APPLICABLE.** If the Company President does not sign the Contract, there must be a Secretary's Certificate Form provided to the CITY of Hallandale Beach, Florida indicating designee signing, has the authority to sign.

**R.J. BEHAR & COMPANY, INC.**

ATTEST:



Dereth Behar  
(Secretary)



(Corporate Seal) (OR NOTARY)

By



Robert J Behar, President  
PRINT NAME AND TITLE

Dereth Behar, Corporate Secretary  
(Type Name and Title Signed Above)

26th Day of April, 2022.

OR (ONLY If not incorporated sign below).

WITNESSES:

\_\_\_\_\_  
(PRINT NAME)

\_\_\_\_\_  
(PRESIDENT OR VICE-PRESIDENT)

\_\_\_\_\_  
(PRINT NAME)

\_\_\_\_\_  
(TYPE NAME & SIGNED ABOVE)

STATE OF FLORIDA  
COUNTY OF \_\_\_\_\_

**NOTARY SEAL**

The foregoing instrument was acknowledged before me this \_\_\_\_ day of \_\_\_\_, 20\_\_, by \_\_\_\_\_.

\_\_\_\_\_  
Signature of Notary

\_\_\_\_\_  
Name of Notary Printed, or Stamped

Personally Known \_\_\_\_\_ OR Produced Identification \_\_\_\_\_

Type of Identification Produced \_\_\_\_\_



**R.J.Behar & Company, Inc.**  
Engineers • Planners

April 21, 2022

*Via email: pkunen@hallandalebeachfl.gov*

Peter A. Kunen, P.E., CFM  
Assistant Director of Public Works/City Engineer  
City of Hallandale Beach Public Works Department  
630 NW 2<sup>nd</sup> Street,  
Hallandale Beach, FL 33009

RE: **RFP # FY 2018-2019-012 Consultant Competitive Negotiation Act (CCNA)  
Continuing Professional Architectural and Engineering and Other Services  
Proposal for the Public Works Compound Stormwater System Modification Design  
Services.**  
**Discipline: Civil Engineering**

Dear Mr Kunen:

In accordance with Resolution No 2020-054 awarding RFP # FY 2018-2019-012 Consultant Competitive Negotiation Act (CCNA) Continuing Professional Architectural and Engineering and Other Services, attached please find the proposal for subject project.

**SCOPE OF WORK**

1. See attached scope of work and fee proposal.

This proposal, when executed, shall be incorporated in and become an integral part of the Agreement of Professional Services between the City and R. J. Behar & Company, Inc., hereafter referred to as the Agreement.

Please do not hesitate to contact me should you have any questions or require any additional information.

Sincerely,  
**R.J. BEHAR & COMPANY, INC.**

A handwritten signature in blue ink, appearing to read 'Juan H. Vazquez', is written over a light blue circular stamp.

Juan H. Vazquez, P.E., PH, BCEE  
Vice President

L:\City of Hallandale Beach\Public Works SURface Water License Mod\CoverLetterdocx.docx

### **SCOPE OF SERVICES**

#### **Proposal For Public Works Compound Stormwater System Modification Design Services**

#### **RFP # FY 2018-2019-012 Consultant Competitive Negotiation Act (CCNA) Continuing Professional Architectural and Engineering and Other Services**

#### **Discipline: Civil Engineering Services**

**4/12/2021**

### **I. Introduction**

The City of Hallandale Beach (City) will be reconfiguring the Public Works compound (DPW) to better utilize the existing space. The City desires to fill in the area located in the northwest corner of DPW that is currently occupied by a stormwater retention pond. This area would be used for the city's sanitation fleet vehicles. The scope of services will include design of the new parking lot (geometrics, grading, drainage, lighting) and modification of the existing water surface permit/license.

### **II. Scope of Work**

#### **A. Design Analysis**

##### **1. Field Review**

Field visits will be required to refine the scope of the improvements. This task will consist of a review of the site and documenting existing conditions with photos and notes. One field review is anticipated for this project.

##### **2. Data Collection**

Research should be conducted to review the project's existing records including the City's atlases, As-built plans, existing permit, and utility plans. The research efforts involve telephone conversations and meetings with agency staff, as well as reviewing record drawings and obtaining stormwater and utility atlases, flood maps, water table maps and others. Information will be collected from the City and County.

##### **3. Parking Lot Design**

The city will indicate the number of required parking slots. Two conceptual layouts will be provided of the parking lot for review and approval by the city.

##### **4. Drainage Analysis and Report**

RJ Behar will perform calculations necessary for the design of the drainage improvements. A drainage report will be prepared outlining the alternatives evaluated and the design of the modifications.



A new drainage system will be necessary to compensate for the filling of the existing retention pond and for the drainage of the new parking lot. RJ Behar will study the possibility of providing storage within the available right-of-way, and compensation water quality within the basin.

### **5. Lighting Analysis**

The lighting analysis will include:

- Photometric Calculations
- Electrical Power Supply Design

### **6. Plans Preparation**

Final designs and plans will be prepared based on the results of our field reviews, analyses, and discussions with the City's Staff. RJ Behar shall prepare preliminary plans (60%) and final plans (100%) of the proposed improvements and submit to the City for review and approval.

The following is a preliminary list of drawings:

Key Sheet  
General Notes and Quantities  
Demolition Plan  
Parking Lot Sections  
Site Plan  
Grading and Drainage Plan  
Signing and Marking Plan  
Lighting Plan  
Power Supply and Details  
Truck Wash Station  
Miscellaneous Civil/Site Details  
Erosion and Sediment Control Notes and Details

**Notes:** Maintenance of traffic will be covered with notes. No landscape plans are included in the project. The truck wash area includes connections for water service and drainage to sanitary system.

### **7. Estimates of Probable Cost**

RJ Behar will provide an Engineer's Opinion of Probable Cost at 60% and another final one with the final signed and sealed plans to use for comparison with the bids from contractors. The cost estimate shall include a detailed tabulation of all portions of the project.

### **8. Technical Specifications**

Construction Specifications Institute (CSI) Format Specifications will be prepared for this project.

### **9. Utility Coordination and Utility Meeting**

- a. Utility Coordination: A design ticket will be requested from Sunshine One Call. All of the utilities identified on the ticket will be contacted and atlases for the utilities' facilities in the area will be solicited. The information from the utilities

will be included in the drawings. This task includes follow up with the utility companies to coordinate and resolve any possible conflicts.

- b. Utility Meeting: Attend one utility coordination meeting if necessary, with all utilities to go over conflicts and any relocations. This could also be done by phone.

### **10. Progress Meetings**

Two progress meetings are expected for the project to discuss scope, progress and City comments. The meetings will be conducted by phone. Minutes will be prepared outlining the major items and decisions discussed at the meetings.

### **11. Permitting**

A permit modification (SWM2004-038-0) is anticipated for the proposed improvements. RJ Behar will prepare the application forms and submit to Broward County Environmental Protection and Growth Management Department (BC EPGMD). For purposes of this project, the existing retention pond area will not be considered a wetland (this will have to be verified with BC EPGMD). A dewatering permit is not expected.

RJ Behar will submit the project for City site plan review. Tree removal permitting is not included.

### **12. Bidding Assistance**

Bid Assistance is not included in this proposal.

### **13. Survey**

See proposal from Javier Bidot and Associates.

### **14. Subsurface Utility Engineering (SUE)**

No Subsurface Utility Engineering is included in this proposal.

### **15. Geotechnical**

See attached proposal from Federal Engineering and Testing.

### **16. Post Design Engineering Services**

Post Design Engineering Services are not included in this proposal.

### **Notes:**

The City will provide the location of City owned existing utilities and a list of the equipment for the truck wash area.

**R.J. BEHAR & COMPANY**

**PROJECT DESCRIPTION: Public Works Compound Stormwater System Modification Design Services**

ACTIVITY	DIRECTOR, ENGINEER		PROJECT MANAGER		ENGINEER		JR. ENGINEER				MANHOURS	TOTAL COST
	STAFF HOURS	\$ 246.00 HOURLY RATE	STAFF HOURS	\$ 223.00 HOURLY RATE	STAFF HOURS	\$ 146.00 HOURLY RATE	STAFF HOURS	\$ 105.00 HOURLY RATE	STAFF HOURS	HOURLY RATE	BY ACTIVITY	BY ACTIVITY
Field Visits (1 visit)	0	\$ -		\$ -	3.0	\$ 438.00	3.0	\$ 315.00		\$ -	6	\$ 753.00
Data Collection	0	\$ -	1.0	\$ 223.00	4.0	\$ 584.00	3.0	\$ 315.00		\$ -	8	\$ 1,122.00
Parking Lot Design	2	\$ 492.00	1.0	\$ 223.00	7.0	\$ 1,022.00	18.0	\$ 1,890.00		\$ -	28	\$ 3,627.00
Drainage Analysis and Report	2	\$ 492.00	2.0	\$ 446.00	18.0	\$ 2,628.00	18.0	\$ 1,890.00		\$ -	40	\$ 5,456.00
Photometric Calculations	0	\$ -	1.0	\$ 223.00	6.0	\$ 876.00	17.0	\$ 1,785.00		\$ -	24	\$ 2,884.00
Electrical Power Supply Design	0	\$ -	1.0	\$ 223.00	5.0	\$ 730.00	14.0	\$ 1,470.00		\$ -	20	\$ 2,423.00
Key Sheet	0	\$ -	1.0	\$ 223.00	3.0	\$ 438.00	6.0	\$ 630.00		\$ -	10	\$ 1,291.00
General Notes and Quantities (1 sheet)	0	\$ -	1.0	\$ 223.00	5.0	\$ 730.00	14.0	\$ 1,470.00		\$ -	20	\$ 2,423.00
Demolition Plan (1 sheet)	0	\$ -	1.0	\$ 223.00	3.0	\$ 438.00	8.0	\$ 840.00		\$ -	12	\$ 1,501.00
Parking Lot Sections (1 sheet)	0	\$ -	1.0	\$ 223.00	4.0	\$ 584.00	11.0	\$ 1,155.00		\$ -	16	\$ 1,962.00
Site Plan (1 Sheet)	4	\$ 984.00	2.0	\$ 446.00	8.0	\$ 1,168.00	18.0	\$ 1,890.00		\$ -	32	\$ 4,488.00
Grading and Drainage Plan (1 sheet)	0	\$ -	2.0	\$ 446.00	8.0	\$ 1,168.00	22.0	\$ 2,310.00		\$ -	32	\$ 3,924.00
Signing and Marking Plan (1 sheet)	0	\$ -	1.0	\$ 223.00	4.0	\$ 584.00	11.0	\$ 1,155.00		\$ -	16	\$ 1,962.00
Lighting Plan (1 sheet)	0	\$ -	1.0	\$ 223.00	5.0	\$ 730.00	14.0	\$ 1,470.00		\$ -	20	\$ 2,423.00
Power Supply and Miscellaneous Details	0	\$ -	1.0	\$ 223.00	5.0	\$ 730.00	12.0	\$ 1,260.00		\$ -	18	\$ 2,213.00
Truck Wash Station details	0	\$ -	2.0	\$ 446.00	11.0	\$ 1,606.00	19.0	\$ 1,995.00		\$ -	32	\$ 4,047.00
Detail Sheets (2 sheets)	0	\$ -	2.0	\$ 446.00	8.0	\$ 1,168.00	22.0	\$ 2,310.00		\$ -	32	\$ 3,924.00
Erosion Control Details (1 sheet)	0	\$ -	0.0	\$ -	2.0	\$ 292.00	6.0	\$ 630.00		\$ -	8	\$ 922.00
Estimates of Probable Cost	1	\$ 246.00	1.0	\$ 223.00	5.0	\$ 730.00	11.0	\$ 1,155.00		\$ -	18	\$ 2,354.00
Specifications	2	\$ 492.00	2.0	\$ 446.00	8.0	\$ 1,168.00	20.0	\$ 2,100.00		\$ -	30	\$ 4,206.00
Utility Coordination	0	\$ -	1.0	\$ 223.00	4.0	\$ 584.00	19.0	\$ 1,995.00		\$ -	24	\$ 2,802.00
Utility Meeting	0	\$ -	4.0	\$ 892.00	4.0	\$ 584.00	0.0	\$ -		\$ -	8	\$ 1,476.00
Progress Meetings (1 meeting)	0	\$ -	4.0	\$ 892.00	4.0	\$ 584.00	0.0	\$ -		\$ -	8	\$ 1,476.00
Permitting (Site Plan and EPGMD)	0	\$ -	4.0	\$ 892.00	16.0	\$ 2,336.00	24.0	\$ 2,520.00		\$ -	44	\$ 5,748.00
Bid Assistance (Not Included)	0	\$ -	0.0	\$ -	0.0	\$ -	0.0	\$ -		\$ -	0	\$ -
Post Design Services (Not Included)	0	\$ -	0.0	\$ -	0.0	\$ -	0.0	\$ -		\$ -	0	\$ -
												\$ -
TOTAL	11	\$ 2,706.00	37	\$ 8,251.00	150	\$ 21,900.00	310	\$ 32,550.00	0	\$ -	506	\$ 65,407.00

LABOR FEE	\$ 65,407.00
DIRECT REIMBURSABLES - travel, parking, printing (L.S. @ 2.0%)	\$ 1,308.14
SUBCONSULTANTS	
SURVEY (JA Bidot & Assoc.)	\$ 5,500.00
GEOTECHNICAL by Federal Engineering and Testing	\$ 2,625.00
SUBTOTAL	<b>\$ 74,840.14</b>
UTILITY LOCATES (Not Included)	\$ -
TOTAL:	<b>\$ 74,840.14</b>

Assumptions:  
1 plan sheet @ 30 scale

Note:  
1) Permit Fees not included.

**JAVIER E. BIDOT & ASSOCIATES, CORP**  
**LAND SURVEYORS • CONSULTANTS**

April 18, 2022.

Mr. Juan Vazquez, PE  
Principal  
RJ Behar & Company, Inc.  
6861 SW 196<sup>th</sup> Avenue  
Suite 302  
Pembroke Pines, FL 33332

**Re: Proposal for Site Survey – Improvements to Storm Sewer System at DPW Compound, City of Hallandale Beach, Broward County, Florida.**

Gentlemen,

Let me thank you at the outset for considering us an option for quality surveying services.

The present is in response to the request for proposal received earlier today, for the existing conditions and topographic survey at the site of proposed storm sewer improvements in Hallandale Beach. The site is shown on Figure 1, below.



*Figure 1. Project location and schematic survey limits (RFP Image).*

Our detailed proposal follows.

I. Statement of Work

- A. Existing conditions and topographic survey within the survey limits to include the following:

1. Horizontal & Vertical Control- We will establish horizontal and vertical control by GPS or conventional methods, at our option, based on official Federal base monuments. Vertical control will be referred to NAVD88, unless otherwise instructed prior to mobilization. We will set up to 2 permanent baselines (4 benchmarks) at convenient locations for future reference. Proposed project units are US Survey Feet.
  2. Existing Conditions Survey – We will perform Existing Conditions Survey of the subject outlined on figure 1, including but not limited to abutting road frontage, property corners found, fences, trees with a 4" or larger DBH, shrubbery and dense wood area demarcation, buildings, etcetera.
  3. Property Lines and Public Right of Way- We will portray the public right of way and adjacent property limits, based strictly on Public Records.
  4. Topographic Survey – We will collect data on a 20' grid, in a manner sufficient to produce a digital terrain model (DTM), that will be graphically represented as 0.50 feet contours.
- B. Utility Location and Identification Survey – We will survey the existing visible drainage, water distribution, power, gas, and sanitary systems within the subject. Work will be compliant with ASCE specification 3802, quality level C. Existing utility marks at site, if any, will be located and shown in the drawing as "information by others". Please refer to Subsurface Utility Survey statement, attached.
- C. Exclusions –
- Any work not specifically outlined above.
  - **Any excavation or probing.**
  - Filing of any non-survey environmental or city documentation.
  - Right of entry coordination.
  - ASCE spec 3802, QL-B and A, GPR and Subsurface Utility Survey.
- D. Deliverables – We will provide up to 6 signed and sealed plots. Copies of digital files in AutoDesk AutoCad format will be provided.

II. Schedule

Mobilization for this task shall occur within 10 working days from NTP. Deliverables shall be submitted within 14 working days from mobilization.

Final deliverables will be submitted within 3 working days from receiving client comments.

III. Fees

Base fees for this task are, as a lump sum, \$5,500.00.

Payment terms are 60 days.

IV. General Conditions and Important Notes:

1. Our proposal is based on a maximum PPE level D (hard hat, boots, eye, ear, PFD and hand protection) when necessary.
2. Our proposal is based on our present liability insurance limits, certificates to be furnished upon request.
3. This proposal is valid for 30 days.

I'm available to meet with you at your convenience to discuss the terms disclosed herein or any related matter.

Cordially,



Javier E. Bidot, PSM

Principal

JEB/jeb

## STANDARD ENCLOSURE – UNDERGROUND UTILITY SURVEYS

The American Society of Civil Engineers, under specification 3802, has defined the discipline of Subsurface Utility Engineering as the management of risks and databases pertaining to the utility and underground asset mapping at various Quality Levels, among other technical parameters.

The following is the list of existing Quality Levels for the diverse utility mapping tasks possible under this discipline:

Quality Level D – Typically referred to as the research and consultation of the diverse sources of records and maps and reporting them to the project owner or Engineer.

Quality Level C – This level adds the survey of the assets based only on the above ground evidence. This includes the location of poles, manholes, hydrants, etc, graphically represented in the context of existing records.

Quality Level B – This level adds to the record research and land survey, the designation of underground assets by means of diverse forms of induction, including but not limited to sound and electromagnetic induction, ground penetrating radar, etcetera.

Quality Level A – This level of survey adds the physical uncovering of assets for verification by various means including but not limited to hand excavation, vacuum excavation and others. This level provides the highest level of accuracy and is the most expensive modality of utility surveys.

### **The present task is proposed to Quality Level C accuracy.**

*Limitations and Disclaimer – Subsurface Utility Surveys (SUS/SUE) bring a significant benefit to asset owners, contractors and other entities in the manner they point out existing underground assets to be conserved. SUS/SUE activities rely on the interpretation of an instrument generated signal in order to designate an asset. Signals are affected by soils type, humidity, contamination and the proximity of other assets to the subject and locations with the effect of degrading the accuracy of the asset position.*

*While it has been established that quality level D, C and B SUS/SUE studies render a return to investment ratio better than 10 to 1, there is no substitute to non-destructive excavation to accurately determine the location and depth of underground assets. Therefore, client shall specify that any contractor working onsite perform its excavation with workmanlike methods and extreme care in the vicinity of survey marks or in the vicinity of utilities identified in his drawings and assume any contingent, direct and indirect liabilities as owner of the excavation.*



FROM  
Scott Dyson  
Federal Engineering & Testing, Inc.  
3370 NE 5th Ave  
Oakland, Park, FL 33334  
[www.fed-eng.com](http://www.fed-eng.com)  
PHONE  
954-784-2941

FOR  
R.J. Behar & Company, Inc.  
TO  
Juan Vazquez  
EMAIL  
[jvazquez@rjbear.com](mailto:jvazquez@rjbear.com)  
PHONE  
954-680-7771

QUOTE NUMBER  
2101144  
DATE  
April 21, 2022  
VALID UNTIL  
May 21, 2022 at 9:00AM

## Proposed Drainage Testing @ 630 NW 2nd Street, Hallandale Beach, FL 33009

### Regarding Proposed Percolation Testing

Thank you for contacting Federal Engineering & Testing, Inc. ("F.E.T.") Please find below our Proposal for the services you have requested, as well as the accompanying Agreement for said services. If the Proposal and Agreement meet with your approval, please sign within the online portal. Upon receipt of the signed documents, F.E.T. will commence the services agreed to therein.

Please send us the plans and specifications for the structure(s) once available. Thank you!



Location Map

### Scheduling and Turn-around-time

Please review and sign this electronic proposal at your earliest convenience. Once confirmed, I will reserve a day on the schedule.

Soil Boring reports that are less than 40 FT are generated 3 – 5 business days after the day of the test.

Soil Boring reports that are greater than 40 FT are generated 1 – 4 weeks after the day of the test depending on the complexity of the project.

### 10' Exfiltration / Percolation Test

Our drilling crew will drill a 10' deep soil boring via a truck mounted drill rig to perform an exfiltration/percolation test. This test is needed to determine the "K" value, which is a number that civil engineers use to calculate the type and size of a drainage system to use at a project. We must have access for a two-wheel drive dually pickup truck mounted drill rig to the selected test boring location. (AKA) Usual Open Hole Test per the South Florida Water Management District

500.00  
x 2  
1,000.00



<div>0-000-012-713</div> <div><b>Double Ring Infiltrometer</b></div> <div>A technician will perform a drainage test with a double ring infiltrometer to determine the surface permeability of in-place soils.</div>	<div>750.00</div> <div>x 2</div> <div>1,500.00</div>
<div><b>Mobilization</b></div> <div>This fee covers the cost of mobilizing our drilling equipment to the job site. (This fee may vary by distance from our main office in Oakland Park, FL)</div>	<div>100.00</div> <div>x 1</div> <div>100.00</div>
<div><b>Digitally Signed Report</b></div> <div>Includes a digitally signed and sealed report, created per city, and suitable for e-filing.</div>	<div>25.00</div> <div>x 1</div> <div>25.00</div>
<div><input type="checkbox"/> <b>Additional Copies</b></div> <div>Reports delivered via USPS include (2) embossed signed and sealed reports. If more than (2) physical copies are required, please select the quantity needed.</div>	<div>25.00</div> <div>x 1</div> <div>25.00</div> <div>Not selected</div>

Options selected

Total

0 of 1

**\$2,625.00**

**Drill Rig and Equipment Access**

Price is contingent upon F.E.T. having sufficient access for truck mounted drill equipment. The client is responsible for providing access on site.



**Licensed and Insured**

Federal Engineering & Testing, Inc. is a licensed and insured Professional Engineering firm in Broward County. We carry Professional, General and Pollution Liability including an umbrella policy for General and Automobile Liability. We also have a Workers Compensation policy for all of our employees. Please see our attached Certificates for proof of insurance and licensing. If you have questions about our coverage please let us know.



**Reviews** [See all reviews](#)



Supreme and A+ Company of which I will classify as being 2nd to none. Scott, was more than amazing and kept every single promise he made while displaying nothing but honesty and professionalism. I could hardly believe how ...

*by Lillie Hall*

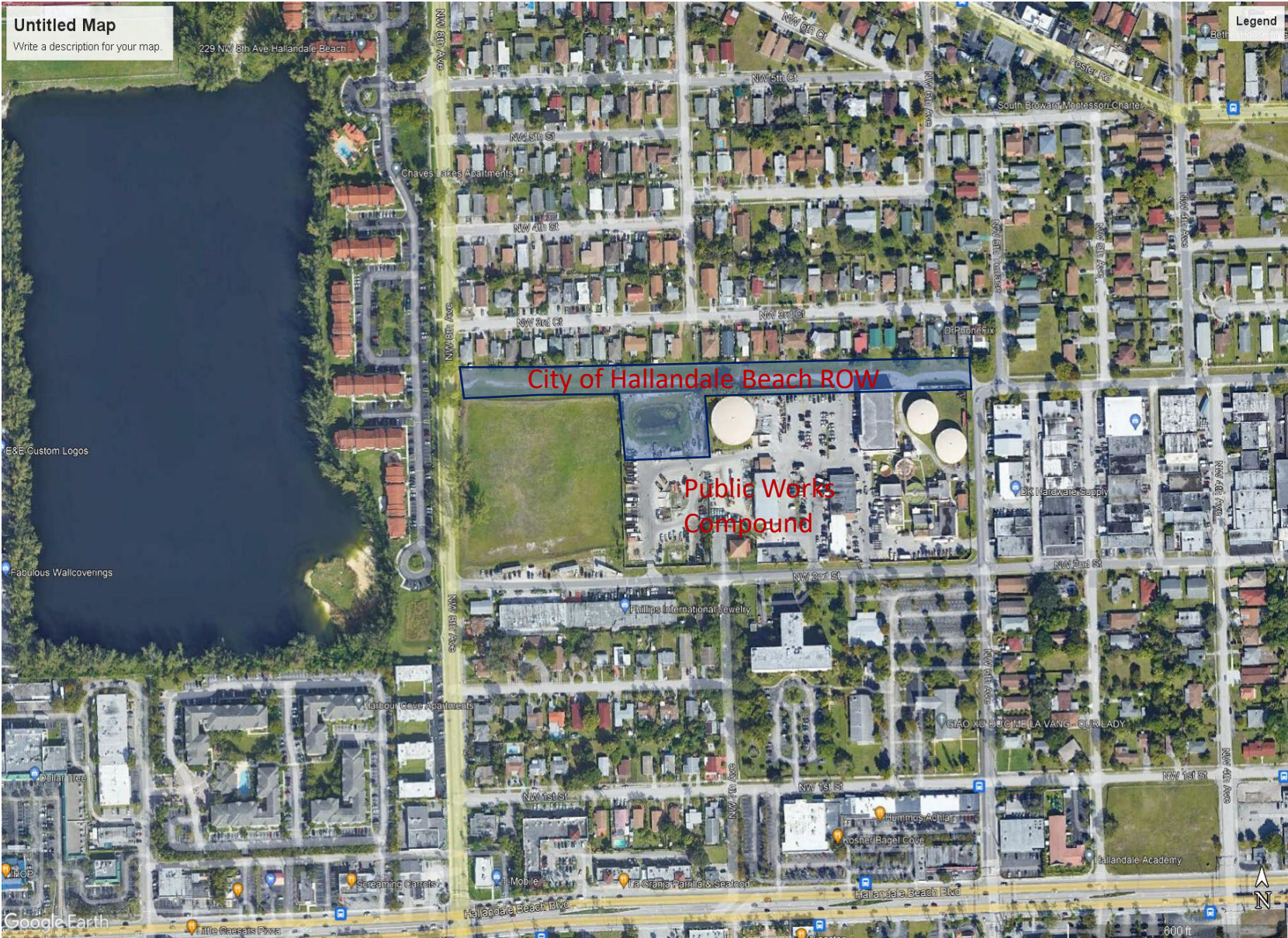
Scott and the entire federal engineering team were extremely responsive, helpful, and made sure to tailor their services to my specific needs. The crew that did the borings was very prompt, knowledgeable, and respectful. Big ...

*by Nick Di Staulo*

Wonderful company to work with. They were very responsive to our needs. Scheduling of our job was on time and preformed without any problems or issues. I would strongly recommend Federal Engineering & Testing. Great company!

*by Beth Schunk*





## Public Works Compound Stormwater System Modification Location Plan and Survey Limits

ITEM	DESCRIPTION	UNITS	AVERAGE UNIT COST	QUANTITY	TOTAL AMOUNT
<b>PARKING &amp; DRAINAGE ITEMS</b>					
1	CLEARING & GRUBBING	LS	\$ 7,650.00	1.0	\$ 7,650.00
2	INLET PROTECTION SYSTEM	EA	\$ 115.00	2.0	\$ 230.00
3	SILT FENCE	LF	\$ 2.00	570.0	\$ 1,140.00
4	REGULAR EXCAVATION (Pond Area)	CY	\$ 7.50	4033.3	\$ 30,250.00
5	CONTECH CHAMBER MAXX STORMWATER RETENTION SYSTEM	CF	\$ 10.50	104544.0	\$ 1,097,712.00
6	LIMEROCK BASE (over storage chambers)	SY	\$ 15.00	1936.0	\$ 29,040.00
7	GEOTEXTILE	SY	\$ 2.00	1936.0	\$ 3,872.00
8	MILLING EXISTING PAVEMENT (1 inch)	SY	\$ 3.00	725.0	\$ 2,175.00
9	SUPERPAVE (TRAFFIC B) 1.5 inches	TN	\$ 210.00	356.0	\$ 74,760.00
10	MANHOLES	EA	\$ 5,000.00	4.0	\$ 20,000.00
11	INLETS (DBI Type C)	EA	\$ 4,500.00	4.0	\$ 18,000.00
12	24" DRAINAGE PIPE	LF	\$ 141.00	240.0	\$ 33,840.00
13	SOD	SY	\$ 8.00	333	\$ 2,666.67
14	ELECTRICAL SERVICE	EA	\$ 5,200.00	1.00	\$ 5,200.00
15	LUMINAIRES	EA	\$ 5,500.00	4.00	\$ 22,000.00
16	PAVEMENT MARKINGS	LS	\$ 5,000.00	1.00	\$ 5,000.00
17	6' WHEEL STOP	EA	\$ 250.00	20	\$ 5,000.00
18	TRUCK WASH STATION	LS	\$ 215,000.00	1	\$ 215,000.00
19					
20					
	<b>SUBTOTAL</b>				<b>\$1,573,535.67</b>
	MAINTENANCE OF TRAFFIC (1%)				\$ 15,735.36
	MOBILIZATION (7.5%)				\$ 118,015.18
	CONTINGENCY (15%)				\$ 236,030.35
	<b>TOTAL</b>				<b>\$1,943,316.55</b>











# WA CONTINUING CONTRACT - R.J. Behar - Public Works Compound Stormwater System Modification Design Services(rev PAK)-2

Final Audit Report

2022-05-19

Created:	2022-05-19
By:	Demetris Pearson (dpearson@cohb.org)
Status:	Signed
Transaction ID:	CBJCHBCAABAAp_hDwAJtprhvVglAARubleWqRgsvmkzO

## "WA CONTINUING CONTRACT - R.J. Behar - Public Works Compound Stormwater System Modification Design Services(rev PAK)-2" History

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