

Public Works Compound Outfall Project Supplemental

Revised March 16, 2026

SUPPLEMENTAL SCOPE OF SERVICES

Proposal For Public Works (PW) Compound Outfall Analysis and Design Services, and the DPW Equipment Parking Lot Design Services.

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

I. Introduction

The City of Hallandale Beach (City) has requested R.J. Behar & Company, Inc. (RJ Behar) to provide a supplemental fee proposal to include additional items in the scope of work as part of the Public Works (PW) Compound outfall project.

The additional scope of work includes replacing the existing dry retention pond for exfiltration trenches or a combination of exfiltration trenches and swales. The City intends to pave the detention area and expand the PW compound. See project location map below.



Location Map

II. Scope of Work

A. Design Analysis

1. Field Review

A field visit will be required to refine the scope of the improvements. This task will consist of a review of the project area and documenting existing conditions with photos and notes. One field review is included.

2. Drainage Analysis and Report

This task includes update the drainage report to include the new scope. The report will be used for permitting. The report will include French drainage calculations, ICPR modeling, water quality calculations and all the required calculations to permit the site.

3. Plans Preparation

The plans will be updated, and new sheets will be included to add the additional scope of work. RJ Behar will submit 90% and final plans (100%) of the proposed improvements and submit them to the City for review and approval.

The following is a list of drawings:

- ✓ Key Sheet
- ✓ General Notes and Quantities
- ✓ Plans and Profiles
- ✓ Temporary Traffic Control Plans
- ✓ Demolition Plan
- ✓ 2 Sheets of Profile and Sections
- ✓ 2 sheets of Grading and Drainage Plans
- ✓ Drainage Details
- ✓ Miscellaneous Civil/Site Details
- ✓ Erosion and Sediment Control Notes and Details
- ✓ Temporary traffic control plan

Notes:

- Landscape plans are not included in this project.
- Wall design is not included in this project.

4. Estimates of Probable Cost

RJ Behar will provide an Engineer's Opinion of Probable Cost at 90% and another final one with the final signed and sealed plans to use in comparison with the bids from contractors. The cost estimate shall include a detailed tabulation of all portions of the project.

5. Technical Specifications

Construction Specifications Institute (CSI) Format Specifications will be updated to include the additional scope for this project.

6. 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.

7. Agency Meetings

Additional meetings with the Broward County Surface Division, SFWMD are included to discuss the new scope and their requirements. Minutes will be prepared outlining the major items and decisions discussed at the meetings.

8. Permitting

The permit application for the outfall project will be modified to include the new scope.

9. Geotechnical

See proposal from Federal Engineering for two percolation tests.

10. Post Design Engineering Services

Additional hours have been included for post-design, these services are time and materials, not to exceed.

The scope includes the following:

- a. meetings
- b. shop drawing reviews
- c. Field reviews as needed.
- d. Respond to a request for information (RFI)
- e. Review change orders.
- d. During the construction there may be a need to perform plan revisions. RJ Behar shall perform plan revisions as required by the Project to include Quality Control and supervision.
- f. Review the as-built plans prepared by the contractor and prepare the final certification. No Record drawings will be provided.

11. Fee

Geotechnical \$1,715.00

Design and Permitting \$39,170.00

Post-design Services \$9,056.00

The total fee for this project is \$49,941.00.

12. Schedule

The design of the additional improvements will take four (4) weeks to complete the after receiving the executed CO.

Refer to the attached fee breakdown and subconsultant's fee proposals for more details.

Public Works Compound Outfall Project Supplemental

We are looking forward to working on this project. Please let us know if you need any further information.

Sincerely,

Hans Murzi

R.J. Behar & Company, Inc.
Hans Murzi, PE, CFM
Director of Water Resources



FEE PROPOSAL SUMMARY

R.J. BEHAR & COMPANY

PROJECT DESCRIPTION: Public Works Compound Outfall Project Supplement

ACTIVITY	DIRECTOR, ENGINEER		PROJECT MANAGER		ENGINEER		JR. ENGINEER		STAFF HOURS	HOURLY RATE	MANHOURS	TOTAL COST	
	STAFF HOURS	\$ 246.00	STAFF HOURS	\$ 223.00	STAFF HOURS	\$ 146.00	STAFF HOURS	\$ 105.00					
		HOURLY RATE		HOURLY RATE		HOURLY RATE		HOURLY RATE					
Field Visits (1 visit, 2 people)	0	\$ -		\$ -	3.0	\$ 438.00	3.0	\$ 315.00		\$ -	6	\$ 753.00	
Data Collection	0	\$ -	0.0	\$ -	0.0	\$ -	3.0	\$ 315.00		\$ -	3	\$ 315.00	
Drainage Analysis and Report	8	\$ 1,968.00	20.0	\$ 4,460.00	16.0	\$ 2,336.00		\$ -		\$ -	44	\$ 8,764.00	
Key Sheet	0	\$ -	0.0	\$ -	0.0	\$ -	1.0	\$ 105.00		\$ -	1	\$ 105.00	
General Notes and Quantities	0	\$ -	0.0	\$ -	6.0	\$ 876.00	2.0	\$ 210.00		\$ -	8	\$ 1,086.00	
2 New Plans + 2 new sheets for profile + cross sections	0	\$ -	8.0	\$ 1,784.00	64.0	\$ 9,344.00		\$ -		\$ -	72	\$ 11,128.00	
Details (2 sheet)	0	\$ -	0.0	\$ -	9.0	\$ 1,314.00	4.0	\$ 420.00		\$ -	13	\$ 1,734.00	
Erosion Control	0	\$ -	0.0	\$ -	2.0	\$ 292.00	6.0	\$ 630.00		\$ -	8	\$ 922.00	
Estimates of Probable Cost	0	\$ -	0.0	\$ -	8.0	\$ 1,168.00		\$ -		\$ -	8	\$ 1,168.00	
Utility Coordination	0	\$ -	0.0	\$ -	8.0	\$ 1,168.00		\$ -		\$ -	8	\$ 1,168.00	
Utility Meetings	0	\$ -	0.0	\$ -	3.0	\$ 438.00	1.0	\$ 105.00		\$ -	4	\$ 543.00	
Meetings with Broward County, SFWMD and City	6	\$ 1,476.00	0.0	\$ -	0.0	\$ -		\$ -		\$ -	6	\$ 1,476.00	
Permitting	6	\$ 1,476.00	8.0	\$ 1,784.00	26.0	\$ 3,796.00		\$ -		\$ -	40	\$ 7,056.00	
QA/QC 90%, permit and final	12	\$ 2,952.00		\$ -		\$ -		\$ -		\$ -	12	\$ 2,952.00	
Post Design Services (RFIs, Shop drawings, CO, inspections, etc)	8	\$ 1,968.00	20.0	\$ 4,460.00	18.0	\$ 2,628.00		\$ -		\$ -	46	\$ 9,056.00	
												\$ -	
TOTAL	40	\$ 9,840.00	56	\$ 12,488.00	163	\$23,798.00	20	\$ 2,100.00	0	\$ -	279	\$ 48,226.00	
												LABOR FEE	\$ 48,226.00
												SUBCONSULTANTS	
												Federal ENGINEERING (Geotech) 2 percolations tests	\$ 1,715.00
												TOTAL:	\$ 49,941.00



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

FOR
R.J. Behar & Company, Inc.
 TO
 Hans Murzi
 EMAIL
hmurzi@rjbehar.com
 ADDRESS
 6861 SW 196th Ave
 Ste 302
 Fort Lauderdale
 FL 33332
 PHONE
[\(954\) 680-7771](tel:(954)680-7771)

QUOTE NUMBER
 2104570
 DATE
 March 10, 2026
 EXPIRY DATE
 April 4, 2026 at 4:00 PM
[Download PDF](#)

Proposed Geotechnical Services @ 630 NW 2nd Street, Hallandale Beach, FL 33009

Regarding Exfiltration 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!



Scheduling and Turn-around-time

I will call in for **public** utility locates today. The Client is responsible for informing F.E.T. of the location of all **private** utilities (e.g. sprinklers, pool pipes, etc.) on site and marking them out with marking paint or stake flags. F.E.T. is not responsible for damage to private utilities. 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.

<p>Visual Condition Survey / Site Visit</p> <p>A geotechnical inspector will perform a site visit to visually confirm the site's current conditions & white line the test locations for public utility locates.</p>	<p>340.00 x 1 340.00</p>
<p>10' Exfiltration / Percolation Test</p> <p>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</p>	<p>500.00 x 2 1,000.00</p>

<p>Mobilization - Truck Rig</p> <p>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)</p>	<p>350.00 x 1 350.00</p>
<p>Engineering Report</p> <p>This is the report that is generated by a professional engineer. The report will have the findings from our field testing as well as foundation recommendations.</p>	<p>x 2</p>
<p>Digitally Signed Report</p> <p>Includes a digitally signed and sealed report, created per city, and suitable for e-filing.</p>	<p>25.00 x 1 25.00</p>
<p><input type="checkbox"/> Additional Copies</p> <p>Reports delivered via USPS include (2) embossed signed and sealed reports. If more than (2) physical copies are required, please select the quantity needed.</p>	<p>25.00 x <input type="text" value="1"/> Choose quantity 25.00 Not selected</p>
<p style="text-align: right;">Options selected Total</p>	<p style="text-align: right;">0 of 1 \$1,715.00</p>

Payment Options & Details

- 1) Prepay in full less any additional charges with check, credit card, ACH or bank transfer. Any additional fees will be billed after completion.
- 2) 50% down with the remainder due at completion before the release of reports.
- 3) If you are an existing B2B client payment term arrangements, nothing has changed for you.
- 4) ****Job cancellations pre-paid via credit card will be refunded LESS a 5% charge.***
- 5) ****Same day cancellations will result in a \$185.00 cancellation fee***

For your convenience you can pay online directly from the invoice once it is sent to you.

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.



Heavy Equipment Disclaimer

F.E.T. does not claim responsibility for settlement or damage to driveway, grass, pavers, etc. Heavy drilling equipment will be mobilized and may cause settlement or damage to areas that the equipment drives over. Client acknowledges and agrees to defend, indemnify, and hold harmless F.E.T. of any damage or settlement to driveway, grass, pavers. By accepting this proposal you agree to all terms and conditions.

Required Laboratory Testing

We are required by the Florida Building Code to determine the soil's bearing capacity. If we find organic soil or fine grained material that would cause settlement issues, we have to run an organic content test or number 200 sieve wash of the unsuitable material in our lab. The analysis is needed to determine the appropriate foundation recommendation for those soil conditions.

Required Future Testing

All recommendations in the geotechnical report must be followed to meet the bearing capacity specified in F.E.T.'s geotechnical report. This may include additional testing or monitoring services. Geotechnical reports are multifaceted and may contain many possible designs. As such, future tests cannot be accurately quoted before the geotechnical report is completed. These undetermined future tests are a separate cost. The client is responsible for thoroughly reading the geotechnical report and contacting F.E.T. to schedule future tests.