
Revised July 22, 2025

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 18-inch pipes shown in the attached sketch to 36-inch, design a drainage system (new swale and inlet(s)) for NW 3rd street, just east of the PW entrance to alleviate the flooding issues and to prevent the street runoff from entering the PW parking lot and a new drainage design for the PW parking lot

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: No landscape plans are included in the 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. Survey and Subsurface Utility Engineering (SUE)

See proposal from Javier Bidot and Associates (JBA).

10. Geotechnical

See proposal from Federal Engineering for percolation tests.

11. 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. Field reviews as needed.
- c. Respond to a request for information (RFI) and review change orders. shop drawings.
- 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.
- e. Review the as-built plans prepared by the contractor and prepare the final certification. No Record drawings will be provided.

12. Fee

Additional Survey \$9,800.00

Four (4) SUEs \$4,600.00

Geotechnical \$1,465.00

Design and Permitting \$40,746.00

Post-design Services \$9,056.00

The total fee for this project is \$65,667.00.

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

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

Sincerely,

R.J. Behar & Company, Inc.

Hans Murzi, PE, CFM

Director of Water Resources

Hans Murzi



POST-DEVELOPMENT CONDITION DRAINAGE MAP

Upgrade pipes to 36-inch

Design New Drainage to alleviate flooding issues

SCALE: 1"=60'

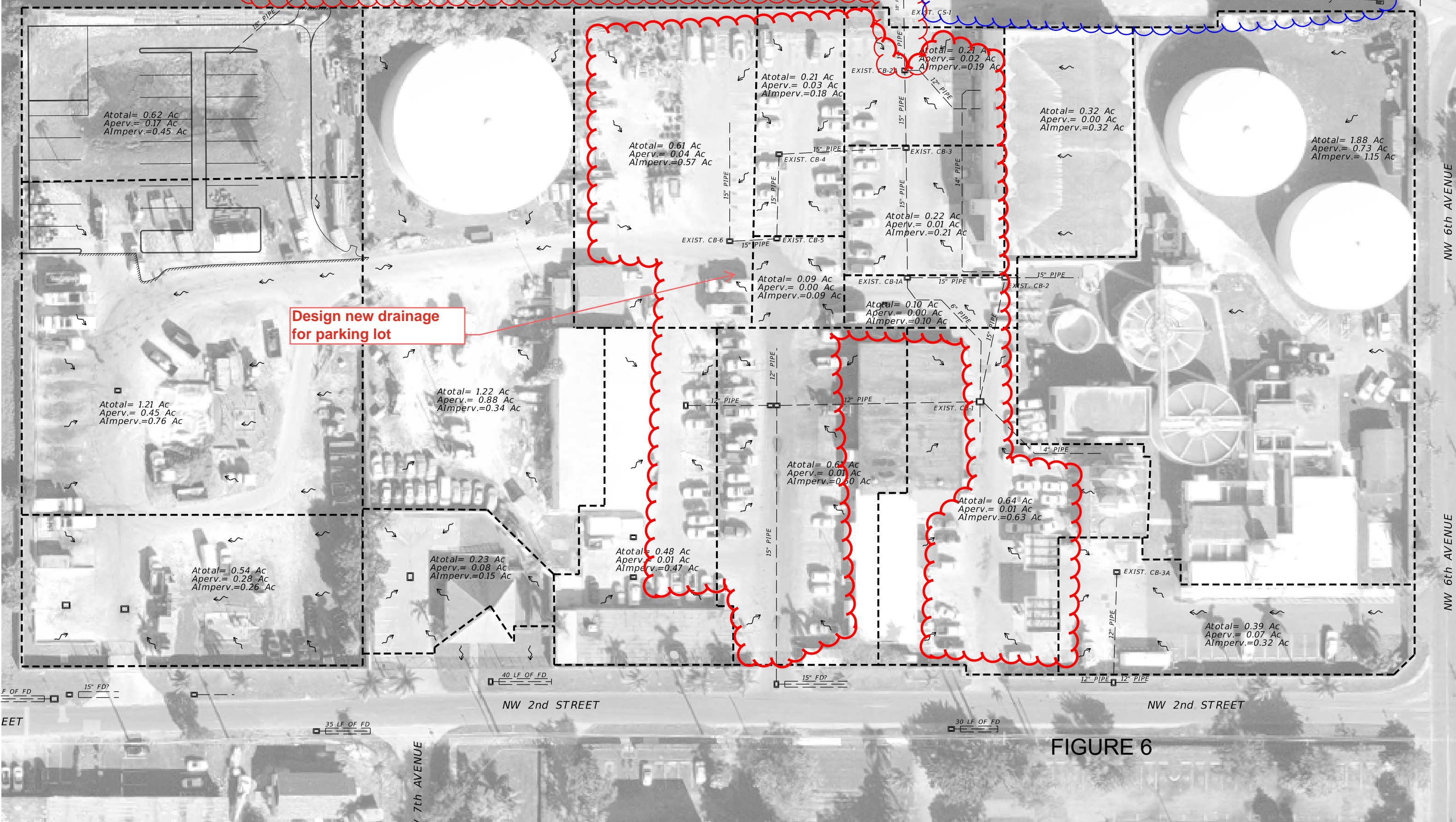


FIGURE 6

R.J. BEHAR & COMPANY

PROJECT DESCRIPTION: Public Works Compound Outfall Project Supplement

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, 2 people)	0	\$ -		\$ -	3.0	\$ 438.00	3.0	\$ 315.00		\$ -	6	\$ 753.00
Data Collection	0	\$ -	0.0	\$ -	0.0	\$ -		\$ -		\$ -	0	\$ -
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
Temporary Traffic Control Plans (1 sheet)		\$ -		\$ -	4.0	\$ 584.00		\$ -		\$ -	4	\$ 584.00
Details (1 sheet)	0	\$ -	0.0	\$ -	8.0	\$ 1,168.00	2.0	\$ 210.00		\$ -	10	\$ 1,378.00
Misc. Detail Sheets (1 sheets)		\$ -		\$ -		\$ -		\$ -		\$ -	0	\$ -
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
Specifications	0	\$ -	4.0	\$ 892.00	8.0	\$ 1,168.00		\$ -		\$ -	12	\$ 2,060.00
Utility Coordination	0	\$ -	0.0	\$ -	8.0	\$ 1,168.00		\$ -		\$ -	8	\$ 1,168.00
Utility Meeting	0	\$ -	0.0	\$ -	3.0	\$ 438.00		\$ -		\$ -	3	\$ 438.00
4 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	24.0	\$ 3,504.00		\$ -		\$ -	38	\$ 6,764.00
QA/QC 90%, permit and final	12	\$ 2,952.00		\$ -		\$ -		\$ -		\$ -	12	\$ 2,952.00
Post Design Services	8	\$ 1,968.00	20.0	\$ 4,460.00	18.0	\$ 2,628.00		\$ -			46	\$ 9,056.00
												\$ -
TOTAL	40	\$ 9,840.00	60	\$ 13,380.00	172	\$25,112.00	14	\$ 1,470.00	0	\$ -	286	\$ 49,802.00
LABOR FEE												\$ 49,802.00
SUBCONSULTANTS												
SURVEY (JA Bidot & Assoc.)												\$ 9,800.00
UTILITY LOCATES (JA Bidot & Assoc.) 4 SUEs @ \$1,150												\$ 4,600.00
Federal ENGINEERING (Geotech) 2 percolations tests												\$ 1,465.00
TOTAL:												\$ 65,667.00

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

June 18, 2025.

Mr. Hans Murzi, PE
RJ Behar & Company, Inc. 6861
SW 196th Avenue Suite 302
Pembroke Pines, FL 33332

**Re: Proposal for Existing Conditions, Topographic & Utilities Survey for DPW
Storm Sewer System Improvement Project, City of Hallandale, Florida**

Gentlemen,

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

The present is in response to your request for proposal of June 17, 2025.

The work consists of collecting additional survey data in support to the P&S engineering design of a storm sewer improvement project in Hallandale Beach. Please refer to figure 1, below for project area outlined in red.



Figure 1. RFP Image

I. Statement of Work

1. Horizontal & Vertical Control- Project will be referred to previous survey controls established by JEBA. Vertical control will be referred to NAVD88, unless otherwise instructed prior to mobilization. Horizontal coordinates will be referred to SPCS NAD83(2011) Florida East. Proposed project units are US Survey Feet.
2. Existing Conditions Survey – We will perform an existing conditions survey within the survey limits, as outlined on figure 1, including but not limited to abutting road frontage, property corners found, fences, storm sewer structures, pipe diameters, invert elevations, trees greater than 6" DBH, above ground utilities, drainage/outfall structures, signs, shrubbery and dense wood area demarcation, drainage structures, buildings, etcetera.
3. Topographic Survey – We will collect data at 20' intervals and additional changes in within the subject area, in a manner sufficient to produce a digital terrain model (DTM). Data will be processed and graphically represented as 1-foot contours.
4. Property Lines and Public Right of Way- We will portray the public right of way, platted easements, and adjacent property limits, based strictly on Public Records.
5. Utility Location and Identification Survey – We will designate and survey the drainage, water distribution, power, gas, and sanitary system as determined by our physical inspection and prospecting. Work will be carried out by different methods (e.g., EM, TDM, GPR, etc.) in compliance with ASCE specification 38-22, quality level D, C and B.

Prospecting will be performed at 50 feet intervals, except for known or found facilities which will be located and traced whenever identified in subject area.

The deliverables for this portion if the work will include rim, drop (if existing) and invert elevations, size, type, and material of the located facility. For found facilities which have no above ground evidence, we will consult record documents and determine if the found facility can be characterized, otherwise will be labeled "unknown".

6. Non-destructive Excavation (NDE) For Utility Confirmation

We will perform up to 4 shallow potholes (up to approx. 7 feet deep) utilizing non-destructive excavation methods (e.g. air jackknife, hand or vacuum) in one multi-day mobilization to confirm the location, size, material and depth of designated utilities to be proposed by client upon

completion of QL-B efforts. The location of these potholes will be determined by client based on foreseen utility conflict areas or in other areas of interest after evaluating the preliminary deliverables.

II. Exclusions

1. Any service not specifically outlined above.
2. Boundary Retracement Surveys.
3. Record and deed research and analysis. Property line information to be obtained from public databases.
4. Dewatering of surcharged sewer and storm lines.
5. Filing of any City or County documentation.

III. Deliverables

We will provide up to 2 signed and sealed plots. Copies of digital files in AutoDesk AutoCad and TIN format will be provided as part of the deliverables.

IV. Fees

Our fees for the subject task is as follows:

- Existing Conditions, Topographic & Utility Survey, as a lump sum, \$9,800.00.
- NDE task (up to 4 shallow potholes (up to 7'), as a lump sum, \$1,150.00 per pothole.

Payment terms are 30 days, not subject to a "paid when/if paid" clause.

V. Schedule

Mobilization for this task shall occur within 10 working days from NTP. Deliverables shall be submitted within 30 working days from mobilization.

VI. Important notes:

1. Our proposal is based on our present limits of liability (see proforma attached). Certificates will be provided upon request.
2. We will furnish all equipment, vehicles, personnel, supervision, lodging and other cost of travel allowances required to perform the work.
3. Engineer to provide surveyor with GIS shapefiles of existing water, sewer and stormwater.

4. 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,


Carlos M. Lebron, PSM
Vice President

CL/cl

Enclosure



FROM

Scott Dyson

P.G., Geotechnical Dept. Mngr.

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

2103957

DATE

July 22, 2025

EXPIRY DATE

August 21, 2025 at 11:00 AM

[Download PDF](#)

Proposed Percolation 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!



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.

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

Visual Condition Survey / Site Visit

A geotechnical inspector will perform a site visit to visually confirm the site's current conditions and white line the test locations for public utility locates.

340.00
x 1
340.00

Mobilization - Truck Rig 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)	100.00 x 1 100.00
Digitally Signed Report Includes a digitally signed and sealed report, created per city, and suitable for e-filing.	25.00 x 1 25.00
<input type="checkbox"/> Additional Copies Reports delivered via USPS include (2) embossed signed and sealed reports. If more than (2) physical copies are required, please select the quantity needed.	25.00 x <input type="text" value="1"/> Choose quantity 25.00 Not selected
<div>Options selected</div> <div>Total</div>	<div>0 of 1</div> <div>\$1,465.00</div>

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.



Disclaimers

If Soil Borings are to be performed, areas to be tested must be clearly marked. If building is not staked out or if an existing structure is in its place, the report will be preliminary. Additional borings must be done once the footprint of the structure is cleared and staked out in order to receive complete foundation recommendations.

F.E.T. shall not be responsible for the acts or omissions of the contractor, any subcontractor, or any of the contractor's or subcontractor's agents or employees or any other person performing any of the work under a construction contract, including failure to complete work according to a construction contract, engineering plans and/or architectural drawings.

Note that the lot must be cleared and we must have access to the proposed structure pad location as shown in the site plan to provide foundation recommendations. Without access and a site plan, we can only provide preliminary recommendations.

F.E.T. does not claim responsibility for any existing damage and/or any damage caused to the above-referenced site and/or its underground utilities during time of service by F.E.T. Prior to commencement of Services, Owner shall provide to F.E.T. the location of electric, gas, and any other underground utilities.

Client is responsible for ensuring suitable access for F.E.T. equipment and personnel to the Project. An \$85.00 mobilization fee shall be incurred for locked/closed gates, poor access, no access, or any like impediment, including excessive construction debris.

F.E.T. does not provide Maintenance of Traffic (M.O.T.). The client is responsible for contracting with and providing M.O.T. if testing is required in trafficked areas.

****Job cancellations pre-paid via credit card will be refunded LESS a 5% charge.***

Same day cancellations will result in a \$185.00 cancellation fee*