



November 8, 2023

Mr. J. Martin Cala, PE
Public Works Director
City of Lauderhill
2101 NW 49th Avenue
Lauderhill, FL 33313

Reference: CITY OF LAUDERHILL BASIN B DRAINAGE IMPROVEMENTS EAST OF THE FLORIDA TURNPIKE

Mr. Cala:

Thank you for the opportunity to present this Service Order proposal for professional engineering services associated with the design and permitting for the area of Basin B east of the Florida Turnpike between just south of NW 12 Ct and just north of NW 18 Ct.



This Service Order will be an integral part of the Miscellaneous Professional Services (RFQ 2023-045) between the City and BCC Engineering, LLC (BCC). The following sections outline the required scope of work, schedule of work, compensation, support from the City, and scope of work exclusions for this project's professional engineering services.

I. SCOPE OF WORK

The Scope of Work is comprised of the following essential tasks:

Task 1 – Project Coordination and Data Collection

Task 2 – Design Plans and Specifications

Task 2-1 Drainage Analysis and Documentation

Task 2-2 Design Plans and Specifications

Task 3 – Permitting

Task 1 – Project Coordination and Data Collection

As part of this task, the BCC will attend up to six (6) monthly progress meetings to provide general project coordination and work planning. The status of all ongoing tasks and City reviews will be discussed during these meetings. It is assumed that half of these meetings will be in person and the other half will be via Teams or Zoom. An additional meeting will serve as a project kick-off meeting to collect readily available data from the City and obtain input from the City on the design process. This meeting will be in person.

As part of this task, BCC will also perform a half-day field reconnaissance site visit to help familiarize key BCC staff with the site and drainage conditions within the project limits, observe the conditions of the existing drainage systems, and verify available roadway conditions. BCC will prepare a field assessment report documenting the findings of the site visit.

It is assumed that the City will use its pool of consultants to provide the required topographic survey information and utility location information to support the design effort. BCC will coordinate with consultants selected by the City to ensure the required data is collected. BCC will also review the information provided by the consultants and provide comments if additional information is needed.

BCC will retain Intertek PSI, Inc. (PSI) to obtain the required percolation tests to support the drainage design. The detailed scope and fee of PSI are included in Exhibit A.

Task 2 – Design Plans and Specifications

Task 2-1 Drainage Analysis and Documentation

BCC will maximize the amount of exfiltration trench within the project limits and determine the amount of runoff extraction for permitting purposes. There will be no modeling or assessment of the project benefits on the neighborhood. No additional inlets will be located on or east of NW 51st Avenue.

BCC will prepare a draft technical memorandum summarizing the data collected and exfiltration trench calculation. BCC will provide an electronic copy to the City for review and comment. BCC will incorporate the City's comments and submit one electronic copy of the final technical memorandum.

Task 2-2 Design Plans and Specifications

BCC will use the information collected as part of Tasks 1 and Task 2 to develop construction contract documents (plans and specifications) for the proposed drainage improvements within project limits. The plans and specifications will also include milling and resurfacing of the project limits and pavement marking.

It is assumed that the following drawings will be prepared (approximately 18 sheets):

- Key Sheet – 1 sheet
- Summary of Pay Items – 1 sheet
- Typical Section(s) – 1 sheet
- General Notes/Pay Items – 1 sheet
- Summary of Quantities Sheets – 1 sheet
- Survey Control Plan and Note Sheet – 1 sheet
- Key Sheet – 1 Sheet
- Plan sheets (1"= 60' scale) – 6 sheets
- Special Details Sheets – 2 sheets
- Stormwater Pollution Details and notes – 2 sheets
- Traffic Control Notes and Details – 1 sheet

All maps, plans, and designs will be prepared with English Units, and elevations will be based on the North American Vertical Datum of 1988 (NAVD88). Plans will be produced on 11" X 17" size sheets at the above scales. BCC will provide a CD containing PDFs and all CADD project files to the City after the project.

To the maximum extent practical, the plans will include technical specifications. It is assumed that the drawings will be included with the construction bid documents. It is assumed that the City will prepare the front-end documents, including Divisions 0 and 1.

BCC will provide the City with three (3) sets of the 60, 90, and 100 percent construction plans and specifications for review and comment. BCC will also provide opinion of probable construction costs with the 60, 90, and 100 percent submittals. After submitting the 60 and 90 percent plans and specifications, BCC will attend one meeting with City staff to obtain comments on these submittals. After the 90 percent submittal comments are incorporated, BCC will provide one (1) set of electronic files of the final plans and specifications for bidding purposes and one set of signed and sealed plans and specifications. It is assumed that the City will reproduce and distribute the necessary sets of construction documents to contractors during the bidding process.

Task 3 – Permitting

The following permits are anticipated to be a part of this project:

- Environmental Resources Permit (ERP) modification from the SFWMD
- Surface Water Management (SWM) License from BCEPGMD

BCC will attend a pre-application meeting with the SFWMD and one meeting with BCEPGMD. BCC will use the information obtained and developed as part of Tasks 1 and 2 to prepare the permit application and obtain approval from the SFWMD and BCEPGMD. BCC understands that the City will pay for all applicable permit fees. BCC will review and address one (1) set of request for additional information (RAI) from SFWMD and BCEPGMD.

II. SCHEDULE

BCC shall submit the deliverables and perform the work outlined in the Scope of Work in accordance with the schedule depicted in the table below. Tasks 1 through 2 will be completed within six (6) months after receiving notice to proceed (NTC) and obtaining all the required survey data from the City. BCC will prepare a detailed schedule after receiving NTP. The work associated with Task 3 will be completed in accordance with the SFWMD and County permit review and approval.

Schedule of Deliverables	
Project Activity Description and Deliverable	Months from NTP
Task 1 – Project Coordination and Data Collection	6
Task 2 – Design Plans and Specifications	-
Task 2-1 Drainage Analysis and Documentation	3
Task 2-2 Design Plans and Specifications	6
Task 3 – Permitting	TBD

III. COMPENSATION

BCC will be compensated for the scope of work outlined in Task 1 through Task 3, \$83,500.70, on a lump sum basis. The table below outlines the estimated fee schedule for the required deliverables. Exhibit B includes a detailed breakdown of the man-hour estimate per task.

Summary of Compensation	
Project Activity Description and Deliverable	Fee Amount
Task 1 – Project Coordination and Data Collection	\$11,584.09
Task 2 – Design Plans and Specifications	-
Task 2-1 Drainage Analysis and Documentation	\$9,513.27
Task 2-2 Design Plans and Specifications	\$50,364.91
Task 3 – Permitting	\$12,038.43
TOTAL	\$83,500.70

BCC will submit monthly invoices to the City for the percentage of work completed during each month for the lump sum tasks.

IV. SCOPE OF WORK EXCLUSIONS

The services outlined below are not included as part of the scope of work, although additional service orders can be executed to assist the City with these services if necessary:

1. Topographic surveys
2. Utility location
3. Utility relocation design
4. ICPR modeling or flood mapping
5. Permit close-out letters
6. Water quality modeling
7. Environmental assessment
8. Title search or ownership determination
9. Prepare a public outreach program
10. Consumptive Use or dewatering permits
11. Tree disposition plans or tree permits
12. Irrigation design
13. Attend public workshops or meetings
14. Update the current Stormwater Master Plan
15. Advertise and administer bid and contract award
16. Reproduce construction contract documents for bidding purposes
17. Prepare and distribute Addendums
18. Post-design services
19. CEI inspection services
20. Attend Commission meetings
21. Prepare as-built plans
22. Any work items not included in the Scope of Work

We look forward to assisting the City with this important project assignment. If you have any questions or need additional information, please do not hesitate to contact Victor Herrera, PE, or me at (305) 670-2350.

Sincerely

BCC ENGINEERING, LLC.



Alex Vazquez, PE, CFM

Director of Water Resources/Project Manager

Exhibit A – PSI Proposal

Exhibit B – Fee Estimate

EXHIBIT A
PSI Proposal (Geotechnical)

November 1, 2023

BCC Engineering

6401 SW 87th Ave, Suite #200
Miami, FL 33173

Attn: Mr. Alex Vazquez, PE, CFM – Director of Water Resources
AVazquez@bcceng.com
(786) 412-2688

Re: Proposal for Percolation Testing Services
City of Lauderhill East of Turnpike Drainage Improvements
Lauderhill, Florida
PSI Proposal No. 0397-103023

Dear Mr. Vazquez:

Professional Service Industries, Inc. (PSI), an Intertek company, is pleased to submit a proposal to conduct four south Florida Water Management (**SFWMD**) soil percolation tests, as requested, East of the Turnpike for the proposed City of Lauderhill East of Turnpike Drainage Improvements in Lauderhill, Florida. The percolation tests will be performed to a depth of 10 feet as required in Broward County.

Drilling and Schedule. Based on the site accessibility, drilling and testing can commence within approximately **one week** after receipt of authorization to proceed, weather permitting. The final letter will be provided within **two weeks** of written authorization. Delays sometime occur due to adverse weather, utility clearance requirements, site clearing requirements for drill rig access, obtaining drilling permits, obtaining *Right of Entries* and other factors outside of PSI's control. In this event, PSI will communicate the nature of the delay and provide a revised schedule as soon as possible.

Data Letter. The results of the percolation tests will be presented in a written geotechnical data letter and will include the hydraulic conductivity rate (K) obtained at the testing locations. A pdf version of the geotechnical data letter will be prepared and submitted by email to **BCC Engineering**. If requested by BCC Engineering, additional hard copies can be provided. The geotechnical data report will be reviewed, signed, and sealed by a registered Professional Engineer in the State of Florida.

Fees. PSI proposes that the fee for performance of the scope of services be charged on a lump sum basis. Based on the scope of services provided in this proposal, the lump sum total fee will be **\$2,400.00**. The estimated fee is based on the boring locations being accessible to truck mounted drilling equipment and the client obtaining and providing permission for PSI to enter and access the site.



It should be noted that fees associated with locating private underground utilities, reviewing construction drawings, executing traffic control services, preparing construction specifications, attending special conferences, providing environmental consulting, and any other service requested after submittal of the letter is not included in the proposed fee. **PSI** will proceed with the service based on written authorization. The service will be performed pursuant to the attached General Conditions, enclosed and incorporated into this proposal.

Authorization. Please sign the authorization sheet and return one copy of this proposal. When returning the proposal, please also complete the attached Project Data Sheet, and provide a scaled-current site plan so that PSI may best serve the project. By executing this authorization, permission is being provided for PSI to access the project site.

We at PSI appreciate the opportunity to offer professional services for this project and look forward to being part of the design team. If there are any questions, please feel free to contact us at your convenience.

Respectfully submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.



Lucrèce E. Regisme
Staff Engineer – Geotechnical Services
lucrece.regisme@intertek.com



Jose N. Gómez, PE, BC.GE
Chief Engineer – Geotechnical Services
jose.n.gomez@intertek.com

Attachments: Proposal Authorization and Payment Instructions
Project Data Sheet
General Conditions

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Proposal Authorization & Payment Instructions

Authorization

To execute this proposal, please sign and complete the authorization information below, along with applicable payment instructions, and return one copy of the authorized proposal to the PSI office.

Authorized By (please print)

Signature

Title

Firm

Address

City

State

Zip Code

Telephone

Email Address

Date

Purchase Order No. / Project Tracking No. (if applicable)

Payment Instructions

If invoice payment is to be made by a party other than the authorizing party above, please provide the following information for whom the invoices are to be billed:

Firm

Attention

Address

Title

City

State

Zip Code

Telephone

Authorizing Party's Relationship to Invoice Payment Party

If invoices are to be approved other than by the payment party above, please provide the following information for whom the invoices are to be mailed for approval:

Firm

Attention

Address

Title

City

State

Zip Code

Telephone

Authorizing Party's Relationship to Invoice Approval Party



Project Data Sheet

Please complete the following Project Data Sheet so that PSI may best serve your project.

Project Name		
Architect	Project Manager	Phone Number
Structural Engineer	Project Manager	Phone Number
Civil Engineer	Project Manager	Phone Number
Construction Type	Plan Area	Number of Floors
Interior Column Spacing	Exterior Column Spacing	
Exterior Column Load	Live	Dead
Interior Column Load	Live	Dead
Floor Slab Load	Slab-on-Grade	Basement/Depth
Will Elevation of site be raised by filling	How much?	
Septic Tank	Storm Water Drainage	
Pavement Type	Traffic Load	Traffic Type
Other pertinent Information/Subsurface Information		



GENERAL CONDITIONS - FLORIDA

1. **PARTIES AND SCOPE OF WORK:** Professional Service Industries Inc. ("PSI") shall include said company or its particular division, subsidiary or affiliate performing the work. "Work" means the specific service to be performed by PSI as set forth in PSI's proposal, Client's acceptance thereof and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PSI. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PSI's work. PSI shall have no duty or obligation to any third party greater than that set forth in PSI's proposal, Client's acceptance thereof and these General Conditions. The ordering of work from PSI, or the reliance on any of PSI's work, shall constitute acceptance of the terms of PSI's proposal and these General Conditions, regardless of the terms of any subsequently issued document.
2. **TESTS AND INSPECTIONS:** Client shall cause all tests and inspections of the site, materials and work performed by PSI or others to be timely and properly performed in accordance with the plans, specifications and contract documents and PSI's recommendations. No claims for loss, damage or injury shall be brought against PSI by Client or any third party unless all tests and inspections have been so performed and unless PSI's recommendations have been followed. Client agrees to indemnify, defend and hold PSI, its officers, employees and agents harmless from any and all claims, suits, losses, costs and expenses, including, but not limited to, court costs and reasonable attorney's fees in the event that all such tests and inspections are not so performed or PSI's recommendations are not so followed.
3. **PREVAILING WAGES:** This proposal specifically excludes compliance with any project labor agreement, labor agreement, or other union or apprenticeship requirements. In addition, unless explicitly agreed to in the body of this proposal, this proposal specifically excludes compliance with any state or federal prevailing wage law or associated requirements, including the Davis Bacon Act. It is agreed that no applicable prevailing wage classification or wage rate has been provided to PSI, and that all wages and cost estimates contained herein are based solely upon standard, non-prevailing wage rates. Should it later be determined by the Owner or any applicable agency that in fact prevailing wage applies, then it is agreed that the contract value of this agreement shall be equitably adjusted to account for such changed circumstance. Client will reimburse, defend, indemnify and hold harmless PSI from and against any liability resulting from a subsequent determination that prevailing wage regulations cover the Project, including all costs, fines and attorney's fees.
4. **SCHEDULING OF WORK:** The services set forth in PSI's proposal and Client's acceptance will be accomplished by PSI personnel at the prices quoted. If PSI is required to delay commencement of the work or if, upon embarking upon its work, PSI is required to stop or interrupt the progress of its work as a result of changes in the scope of the work requested by Client, to fulfill the requirements of third parties, interruptions in the progress of construction, or other causes beyond the direct reasonable control of PSI, additional charges will be applicable and payable by Client.
5. **ACCESS TO SITE:** Client will arrange and provide such access to the site and work as is necessary for PSI to perform the work. PSI shall take reasonable measures and precautions to minimize damage to the site and any improvements located thereon as the result of its work or the use of its equipment.
6. **CLIENT'S DUTY TO NOTIFY ENGINEER:** Client warrants that it has advised PSI of any known or suspected hazardous materials, utility lines and pollutants at any site at which PSI is to do work, and unless PSI has assumed in writing the responsibility of locating subsurface objects, structures, lines or conduits, Client agrees to defend, indemnify and save PSI harmless from all claims, suits, losses, costs and expenses, including reasonable attorney's fees as a result of personal injury, death or property damage occurring with respect to PSI's performance of its work and resulting to or caused by contact with subsurface or latent objects, structures, lines or conduits where the actual or potential presence and location thereof were not revealed to PSI by Client.
7. **RESPONSIBILITY:** PSI's work shall not include determining, supervising or implementing the means, methods, techniques, sequences or procedures of construction. PSI shall not be responsible for evaluating, reporting or affecting job conditions concerning health, safety or welfare. PSI's work or failure to perform same shall not in any way excuse any contractor, subcontractor or supplier from performance of its work in accordance with the contract documents. Client agrees that it shall require subrogation to be waived against PSI and for PSI to be added as an Additional Insured on all policies of insurance, including any policies required of Client's contractors or subcontractors, covering any construction or development activities to be performed on the project site. PSI has no right or duty to stop the contractor's work.
8. **SAMPLE DISPOSAL:** Test specimens will be disposed immediately upon completion of the test. All drilling samples will be disposed sixty (60) days after submission of PSI's report.
9. **PAYMENT:** The quantities and fees provided in this proposal are PSI's estimate based on information provided by Client and PSI's experience on similar projects. The actual total amount due to PSI shall be based on the actual final quantities provided by PSI at the unit rates provided herein. Where Client directs or requests additional work beyond the contract price it will be deemed a change order and PSI will be paid according to the fee schedule. Client shall be invoiced once each month for work performed during the preceding period. Client agrees to pay each invoice within thirty (30) days of its receipt. Client further agrees to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PSI's cost of collection of all amounts due and unpaid after thirty (30) days, including court costs and reasonable attorney's fees. PSI shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PSI waives any rights to a mechanics' lien, or any provision conditioning PSI's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PSI shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PSI from any and all claims which Client may have, whether in tort, contract or otherwise, and whether known or unknown at the time.

GENERAL CONDITIONS - FLORIDA

10. ALLOCATION OF RISK, LIMITATION OF LIABILITY, AND RELEASE OF INDIVIDUAL EMPLOYEES AND AGENTS: PURSUANT TO FLORIDA STATUTE § 558.0035, AN INDIVIDUAL EMPLOYEE OR AGENT OF PSI MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

SHOULD PSI OR ANY OF ITS EMPLOYEES BE FOUND TO HAVE BEEN NEGLIGENT IN THE PERFORMANCE OF ITS 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 PSI'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PSI, ITS OFFICERS, EMPLOYEES AND AGENTS SHALL BE LIMITED TO \$25,000.00 OR THE TOTAL AMOUNT OF THE FEE PAID TO PSI FOR ITS WORK PERFORMED ON THE PROJECT, WHICHEVER AMOUNT IS GREATER. IN THE EVENT CLIENT IS UNWILLING OR UNABLE TO LIMIT PSI'S LIABILITY IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THIS PARAGRAPH, CLIENT MAY, UPON WRITTEN REQUEST OF CLIENT RECEIVED WITHIN FIVE DAYS OF CLIENT'S ACCEPTANCE HEREOF, INCREASE THE LIMIT OF PSI'S LIABILITY TO \$250,000.00 OR THE AMOUNT OF PSI'S FEE PAID TO PSI FOR ITS WORK ON THE PROJECT, WHICHEVER IS THE GREATER, BY AGREEING TO PAY PSI A SUM EQUIVALENT TO AN ADDITIONAL AMOUNT OF 5% OF THE TOTAL FEE TO BE CHARGED FOR PSI'S SERVICES. THIS CHARGE IS NOT TO BE CONSTRUED AS BEING A CHARGE FOR INSURANCE OF ANY TYPE, BUT IS INCREASED CONSIDERATION FOR THE GREATER LIABILITY INVOLVED. IN ANY EVENT, ATTORNEY'S FEES EXPENDED BY PSI IN CONNECTION WITH ANY CLAIM SHALL REDUCE THE AMOUNT AVAILABLE, AND ONLY ONE SUCH AMOUNT WILL APPLY TO ANY PROJECT.

NEITHER PARTY SHALL BE LIABLE TO THE OTHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE AND BREACH OF STATUTORY DUTY) OR OTHERWISE FOR LOSS OF PROFIT (WHETHER DIRECT OR INDIRECT) OR FOR ANY INDIRECT, CONSEQUENTIAL, PUNITIVE, OR SPECIAL LOSS OR DAMAGE, INCLUDING WITHOUT LIMITATION LOSS OF PROFITS, REVENUE, BUSINESS, OR ANTICIPATED SAVINGS (EVEN WHEN ADVISED OF THEIR POSSIBILITY).

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHERWISE, MAY BE BROUGHT AGAINST PSI ARISING FROM OR RELATED TO PSI'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PSI'S WORK HEREUNDER, REGARDLESS OF THE DATE OF DISCOVERY OF SUCH CLAIM.

11. **INDEMNITY:** Subject to the above limitations, PSI agrees not to defend but to indemnify and hold Client harmless from and against any and all claims, suits, costs and expenses including reasonable attorney's fees and court costs to the extent arising out of PSI's negligence as finally determined by a court of law. Client shall provide the same protection to the extent of its negligence. In the event that Client or Client's principal shall bring any suit, cause of action, claim or counterclaim against PSI, the Client and the party initiating such action shall pay to PSI the costs and expenses incurred by PSI to investigate, answer and defend it, including reasonable attorney's and witness fees and court costs to the extent that PSI shall prevail in such suit.
12. **TERMINATION:** This Agreement may be terminated by either party upon seven days' prior written notice. In the event of termination, PSI shall be compensated by Client for all services performed up to and including the termination date, including reimbursable expenses.
13. **EMPLOYEES/WITNESS FEES:** PSI's employees shall not be retained as expert witnesses except by separate, written agreement. Client agrees to pay PSI's legal expenses, administrative costs and fees pursuant to PSI's then current fee schedule for PSI to respond to any subpoena. For a period of one year after the completion of any work performed under this agreement, Client agrees not to solicit, recruit, or hire any PSI employee or person who has been employed by PSI within the previous twelve months. In the event Client desires to hire such an individual, Client agrees that it shall seek the written consent of PSI, and shall pay PSI an amount equal to one-half of the employee's annualized salary, without PSI waiving other remedies it may have.
14. **FIDUCIARY:** PSI is not a financial advisor, does not provide financial advice or analysis of any kind, and nothing in our reports can create a fiduciary relationship between PSI and any other party.
15. **RECORDING:** Photographs or video recordings of the Client's own project may be taken by and used for the Client's own internal purposes. Photographs or video recordings may not be used for marketing or publicity, or distributed to a third party or otherwise published without PSI's prior review and consent in writing. Taking photographs of other Clients' samples, test setups, or facilities, or recording in any manner any test specimen other than the test specimen related to the Client's project is prohibited; and the Client agrees to hold in strict confidence and not use any proprietary information disclosed either advertently or inadvertently. The Client shall defend, hold harmless, and indemnify PSI for any breach of this clause.
16. **CHOICE OF LAW AND EXCLUSIVE VENUE:** All claims or disputes arising or relating to this agreement shall be governed by, construed, and enforced in accordance with the laws of Illinois. The exclusive venue for all actions or proceedings arising in connection with this agreement shall be either the Circuit Court in Cook County, Illinois, or the Federal Court for the Northern District of Illinois.
17. **PROVISIONS SEVERABLE:** The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
18. **ENTIRE AGREEMENT:** This agreement constitutes the entire understanding of the parties, and there are no representations, warranties or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.

EXHIBIT B
FEE ESTIMATE



EXHIBIT B
CITY OF LAUDERHILL
CITY OF LAUDERHILL BASIN B DRAINAGE IMPROVEMENTS
EAST OF THE FLORIDA TURNPIKE

FEE ESTIMATE

Date Estimated: 11/8/2023

WORK ACTIVITY	BCC Staff by Category						TOTAL HOURS	LABOR COST	Comments/Assumptions
	Principal/QC	Project Manager	Project Engineer, PE	Engineer, EI	CADD Technician	Clerical			
HOURLY RATE	\$248.22	\$228.79	\$202.39	\$136.00	\$89.62	\$73.01			
Task 1 – Project Coordination and Data Collection	1	17	21	4	2	1	46	\$11,584.09	
Kick-off meeting		2	2				4	\$862.36	In person -= 2 eng, 2 hours
Monthly progress meeting - in person - 2 meetings		6	6				12	\$2,587.08	in person 2 meetings - 2 eng, 2 hours
Monthly progress meetings - virtual - 2 meetings		3	3				6	\$1,293.54	virtual 2 meetings - 2 eng, 1 hour
Field site visit		4	4				8	\$1,724.72	1/2 day, 2 eng
Prepare field report	1	2	6	4	2	1	16	\$2,716.39	
Geotechnical Testing								\$2,400.00	By PSI. Fee Exhibit A for proposal
Task 2-1 Drainage Analysis and Documentation	2	6	24	16	6	1	55	\$9,513.27	
Compute exfiltration volume reduction		2	8	4			14	\$2,620.70	
Prepare draft TM	1	1	12	8	4		26	\$4,352.17	
Attend one meeting with City staff to review findings of the report and obtain comments		2	2				4	\$862.36	
Prepare final TM	1	1	2	4	2	1	11	\$1,678.04	
Task 2-2 Design Plans and Specifications	3	22	68	128	144	7	372	\$50,364.91	
Prepare 60% design plan	1	8	16	40	80		145	\$17,926.38	
Prepare 60% technical specifications		2	16	8		4	30	\$5,075.86	
Prepare 60% opinion of probable construction Cost		1	2	8			11	\$1,721.57	
Meeting to discuss comments on 60% plans		1	2	2			3	\$500.79	Virtual meeting and meeting minutes
Prepare 90% design plan	1	4	8	32	40		85	\$10,719.30	
Prepare 90% technical specifications		1	8	4		2	15	\$2,537.93	
Prepare 90% opinion of probable construction Cost		1	12	4			17	\$3,201.47	
Meeting to discuss comments on 90% plans		1	2	2			3	\$500.79	Virtual meeting and meeting minutes
Prepare 100% design plan	1	1	4	24	24		54	\$6,701.45	21 plans
Prepare 100% technical specifications		1	1	2		1	5	\$776.19	
Prepare 100% opinion of probable construction Cost		1	1	2			4	\$703.18	
Task 3 – Permitting	0	7	14	48	12	0	81	\$12,038.43	
Attend pre-application meeting with SFWMD		1	2	2			3	\$500.79	Virtual meeting and meeting minutes
Attend pre-application meeting with BCEPGMD		1	2	2			3	\$500.79	Virtual meeting and meeting minutes
Prepare SFWMD ERP permit application		2	4	16			22	\$3,443.14	
Prepare BCEPGMD SWL permit application		1	2	12			15	\$2,265.57	
Address SFWMD RAI		1	4	8	6		19	\$2,664.07	
Address BCEPGMD RAI		1	4	8	6		19	\$2,664.07	
Total Hours	6	52	127	196	164	9			
Total Fee	\$1,489.32	\$11,897.08	\$25,703.53	\$26,656.00	\$14,697.68	\$657.09	554	\$83,500.70	