



Construction of Equipment & Machinery Building

Invitation for Bids # PSPW-20-04

General Information		
Project Cost Estimate	\$890,000.00	See Section 1.4
Project Timeline	180 calendar days from NTP	See Section 1.4
Evaluation of Proposals	Staff	See Section 1.7
Mandatory Pre-Bid Meeting	10:00 a.m. on August 20, 2020 at the Public Services Building Large Conference Room, 8300 S. Palm Drive, Pembroke Pines, FL 33025	See Section 1.8
Question Due Date	September 1, 2020	See Section 1.8
Proposals will be accepted until	2:00 p.m. on September 15, 2020	See Section 1.8
5% Proposal Security / Bid Bond	Required in the event that the proposal exceeds \$200,000	See Section 4.1
100% Payment and Performance Bonds	Required in the event that the proposal exceeds \$200,000	See Section 4.2
Grant or Federal Funding Information	Not Applicable	Not Applicable

THE CITY OF PEMBROKE PINES
PURCHASING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
(954) 518-9020



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- Attachment C: Proposer’s Qualifications Statement
- Attachment D: Sample Insurance Certificate
- Attachment E: Specimen Contract - **Construction Agreement**
- Attachment F: References Form
- Attachment G: Standard Release of Lien Form
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SECTION 1 - INSTRUCTIONS

1.1 NOTICE

Notice is hereby given that the City Commission of the City of Pembroke Pines is seeking sealed proposals for:

IFB # PSPW-20-04
“Construction of Equipment & Machinery Building”

Solicitations may be obtained from the City of Pembroke Pines website at <http://www.ppines.com/index.aspx?NID=667> and on the www.BidSync.com website.

If you have any problems downloading the solicitation, please contact the BidSync Support line at 1-800-990-9339.

If additional information help is needed with downloading the solicitation package please contact the Purchasing Office at (954) 518-9020 or by email at purchasing@ppines.com. The Purchasing Office hours are between 7:00 a.m. - 6:00 p.m. on Monday through Thursday and is located at 8300 South Palm Drive, Pembroke Pines, Florida 33025.

The City requires all questions relating to the solicitation be entered through the “Ask a Question” option tab available on the BidSync website. Responses to the questions will be provided online at www.bidsync.com. Such request must be received by the “Question Due Date” stated in the solicitation. The issuance of a response via BidSync is considered an Addendum and shall be the only official method whereby such an interpretation or clarification will be made.

Proposals will be accepted until 2:00 p.m., September 15, 2020. Proposals must be submitted electronically at www.BidSync.com. The sealed electronic proposals will be publicly opened at 2:30 p.m. by the City Clerk’s Office, in the City Hall Administration Building, 4th Floor Conference Room located at 601 City Center Way, Pembroke Pines, Florida, 33025.

1.2 PURPOSE

The City of Pembroke Pines is seeking proposals from qualified firms, hereinafter referred to as the contractor for the construction of an Equipment & Machinery Building.

1.2.1 LOCATION

701 & 801 W Cypress Dr.
Pembroke Pines, FL 33025

- Potential bidders are permitted to visit the proposed job site at their convenience during standard working hours (M-F, 8-5) without prior notice to the City.



1.3 SCOPE OF WORK

1.3.1 PROJECT DETAILS

- The new metal building shall be approximately 36,000 square feet; minimum (360 L x 100 W x 46 H) slab on grade construction.
- It shall be a clear span tapered column steel structure with interior spaces as shown in the building depiction that is provided as an attachment to this proposal.
- New metal building shall have a standing seam metal roof and gutter system.
- All slabs and aprons shall be reinforced with a minimum thickness of 8 (eight) inches to support heavy equipment and have a specified overall value of FF50 and FL35 smooth finish.
- All electrical, sewer and other building services to be installed in slab/ underground stubbed up and capped off for future use.
- All exterior man doors shall be metal rated for HVHZ and equipped for Schlage Everest T type locks. All closers shall be LCN 4000 Series and exit devices shall be Von Duprin 98/99 Series.
- All interior doors shall be metal and equipped for Schlage Everest T type locks. All exit devices shall be Von Duprin 98/99 Series. All closers shall be LCN 4000 Series
- Exterior Roll up doors shall be impact rated for HVHZ.
- Interior Roll up doors shall be metal and equipped with locking hardware.
- All windows shall be Low-E, impact rated for HVHZ.
- All structural steel shall be coated with epoxy primer and Sherwin Williams Acrolon 218 HS polyurethane paint (or equal), prior to erecting and assembly.
- The city has attached a conceptual design plan. This should in no way be construed as any type of permit/construction drawings. Contractor shall provide a full construction drawing set for permit and construction. Contractor must involve the city's project manager in the development of the construction drawings and receive final approval before they are released for permit.

1.3.2 GENERAL INFORMATION

- Contractor is responsible for and shall verify and coordinate all dimensions and details before proceeding with work. Any discrepancies shall be brought to the immediate attention of the architect, engineer and city's Project Manager.
- Contractor shall fully brace and otherwise protect all work in progress until the building is completed.
- All structural items for this project shall be designed in accordance with appropriate provisions of each of the following:
 - The Florida building code, (sixth edition) 2017.



- Aci standard 318-14 building code requirements for reinforced concrete.
 - Aisc "specification for the design, fabrication and erection of structural steel for buildings" 360-10.
 - Asce 7-10 (with errata dated January 11, 2011) "minimum design loads for buildings and other structures".
 - North American specification for the design of cold- formed steel structural members, aisi s100.
- Contractor shall provide all testing, manufacturer warranties, and certifications required for the permitting and construction of the project.
 - The successful bidder shall employ a competent superintendent who shall be in attendance at the project site during the progress of the work. The superintendent shall be the primary representative for the bidder and all communications given to and all decisions made by the superintendent shall be binding to the bidder.
 - Contractor will be required to schedule all work with the city's project manager.
 - Contractor shall be required to provide all temporary fencing.
 - Contractor shall be responsible for all debris removal and restoration to any existing areas. Site shall be made safe and clean of debris at the end of each workday.
 - All precautions need to be taken for life safety and protection of people, vehicles, and all other structures on the site.
 - The work must be performed Monday through Friday or as approved by the project manager.

1.3.3 SHOP DRAWINGS

- No structural drawings shall be reproduced for use as shop drawings.
- All dimensional coordination shall be done by the contractor.
- Contractor shall check all architectural and mechanical drawings for all attachments, clips, openings, or duct work affecting structural members. All items shall be shown on shop drawings.
- Completed erection plans shall be submitted prior to or in conjunction with detail drawings. But in no case shall detail drawings be submitted prior to erection plans.
- Contractor shall have shop drawings which have been satisfactorily reviewed by the architect and/or engineer, city and confirmed by the contractor before proceeding with any work.
- There shall be no deviation from approved construction documents without prior approval from the City. If any changes are proposed by the contractor or the provider of the shop drawings, they should be clearly indicated, signed, and sealed drawings and calculations by a Florida professional engineer must be provided. Any changes without



proper documentation indicated above will result in some revisions by the engineer of record and/or architect. The cost for these revisions including engineer and architectural fees shall be paid by the contractor.

1.3.4 FOUNDATION NOTES

- Contractor is responsible for site soil testing as required for permit and construction.
- Fill and subgrade preparation shall be in accordance with the geotechnical engineer recommendation as contained in their report.
- All column footings shall be centered under column centerlines unless otherwise noted.
- Backfilling against foundation walls shall be done carefully with small compaction equipment, after slabs on ground are in place and concrete has set. No trucks, bulldozers, etc. Shall be allowed closer than 6'-0" to any foundation wall. Any wall 3'-0" or higher must be braced during the construction process.
- No foundations shall be placed above 1 vertical on 2 horizontal slopes extended from the closest edge of any undisturbed soil or other foundation structure. Bottom of footings shall not be less than 1'-0" below existing grade (u.n.o.).
- Contractor shall treat soil beneath building for termites.

1.3.5 SITE WORK

- Contractor to provide temporary gravel roads to city street/road for site access.
- Contractor to provide temporary construction fencing at a minimum height of 6 (six) feet and provide all necessary and required signage.
- Contractor is responsible for buildup of building pad.
- Contractor to coordinate the location and installation of electrical service.
- Contractor to provide all underground services to and from building structure.
- Site work and asphalt will be limited to the extent of design drawing.
- No landscaping will be required for this project.

1.3.6 USE OF PREMISES

- Contractor shall limit their use on the premises for work and storage, and to allow for owner's occupancy.
- Contractor shall coordinate use of premises under direction of owner representative, assume full responsibility for protection and safe keeping of products under this contract stored on site, and move any stored products under contractor's control which interfere with operations of the owners or separate contractor.



1.3.7 WARRANTEES

- Contractor shall provide a (2) year workmanship and (20) year manufacturer's warranty. In the event that a defect occurs during this time, contractor shall perform such steps as required to remedy the defects. Contractor shall be responsible for any damages caused by defect to affected area or to interior structure. Warranty period shall commence upon issuance of Certificate of Occupancy by the regulating permitting agency, and the subsequent release of any performance or payment bonds, which may be required by the original bid document.

1.3.8 LIQUIDATED DAMAGES

- As a breach of the service provided by this agreement would cause serious and substantial damage to city properties, and the nature of this agreement would render it impracticable or extremely difficult to fix the actual damage sustained by city by such breach, it is agreed that, in case of breach of service wherein contractor fails to maintain the properties, leaving the said properties in disrepair, city may elect to collect liquidated damages for each such breach, and contractor will pay city as liquidated damages, and not as penalty, five hundred dollars (\$500.00) for every day of such malfunction. This sum is the agreed upon amount by which city will be damaged by the breach of such service. An election to seek such remedies shall not be construed as a waiver of any legal remedies' city may have as to any subsequent breach of service under this agreement.

1.4 PROJECT COST ESTIMATE & TIMELINE

Staff estimates this project to cost approximately **\$890,000.00**, which does not include permit costs.

Please note the City will include a Permit Allowance for this project, **therefore proposers should not include permit costs in their total proposal price.**

The work shall be completed within 180 days from issuance of CITY's Notice to Proceed.

1.4.1 PERMITS

- The City anticipates this project to require the following permits:

Permit	Agency	Cost (or related method of calculation)



Building	City of Pembroke Pines Building Department (Calvin, Giordano & Associates, Inc.)	Construction costs greater than \$2,500 up to \$1,000,000 = 2.96%
Engineering	City of Pembroke Pines Engineering Department	4.9136% of construction costs

1.4.2 PERMIT ALLOWANCE

The City shall include a “Permit Allowance” for this project. The Contractor shall obtain all required permits to complete the work, however the City shall utilize the Permit Allowance to reimburse the contractor for the related permit, license, impact, or inspection fees. Payments will be made to the contractor based on the actual cost of permits upon submission of paid permit receipts. The City shall not pay for other costs related to obtaining or securing permits.

The City shall determine the amount of the allowance at time of award. The allowance may be based on a specified percent of the proposed project amount and shall be established for the specific project being performed under the contract. This dollar amount shall be shown on the specific project purchase order as a distinct item from the vendor’s overall offer to determine the total potential dollar value of the contract. Any Permit Allowance funds that have not been utilized at the end of the project will remain with the City, if the City Permit fees exceed the allowance indicated, the City will reimburse the contractor the actual amount of City Permit Fees required for project completion.

1.5 PROPOSAL REQUIREMENTS

The www.bidsync.com website allows for vendors to complete, scan and upload their documents as part of the bidder’s submittal on the website. Prospective proposers interested in responding to this solicitation are requested to provide all of the information listed in this section. Submittals that do not respond completely to all of requirements specified herein may be considered non-responsive and eliminated from the process. Brevity and clarity are encouraged.

1.5.1 Attachment A: Contact Information Form

- a. Attached is contact information form (Attachment A) where the vendor will enter their contact information and complete the proposal checklist. The Contact information form shall be electronically signed by the contact person authorized to represent the contractor. This form must be completed and submitted through www.bidsync.com as part of the bidder’s submittal.
- b. The vendor must provide their pricing through the designated lines items listed on the BidSync website.



- c. Please note vendors should be registered on BidSync under the name of the organization that they are operating as and it should match the organization name on the documents that they are submitting and utilizing when responding to the solicitation.
- d. The contact information form should contain an electronic signature of the authorized representative of the Proposer along with the address and telephone number for communications regarding the Proposal.
- e. Proposals by corporations should be executed in the corporate name by the President or other corporate officer accompanied by evidence of authority to sign. The corporate address and state of incorporation must also be shown.
- f. Proposals by partnerships should be executed in the partnership name and signed by a partner whose title and the official address of the partnership must be shown.

1.5.2 Attachment B: Non-Collusive Affidavit

1.5.3 Attachment C: Proposer's Qualifications Statement

1.5.4 Attachment F: References Form

- a. Complete **Attachment F: References Form**, preferably where the team was the same. References should be from the last five years and should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. As part of the proposal evaluation process, the City may conduct an investigation of references, including a record check or consumer affairs complaints. Proposers' submission of a proposal constitutes acknowledgment of the process and consent to investigate. The City is the sole judge in determining Proposers qualifications.

1.5.5 Proposal Security (Bid Bond Form or Cashier's Check)

- a. Each Proposal should be accompanied by a certified or cashier's check or by a Bid Bond made payable to the City of Pembroke Pines on an approved form, duly executed by the Proposer as principal and having as surety thereon a surety company acceptable to CITY and authorized to write such Bond under the laws of the State of Florida, in an amount not less than five percent (5%) of the amount of the base Proposal price.
- b. Contingency is not to be counted in the total amount the proposal security is based on.
- c. Proposers must submit a scanned copy of their bid security (bid bond form or cashier's check) with their bid submittal through BidSync.



- d. Proposers should also submit their original bid security (bid bond form or cashier's check) at time of the bid due date, or they may be deemed as non-responsive.
- e. The original Bid Bond or Cashier's Check should be in a sealed envelope, plainly marked "**BID SECURITY - IFB # PSPW-20-04 Construction of Equipment & Machinery Building**" and sent to the City of Pembroke Pines, City Clerk's Office, 4th Floor, 601 City Center Way, Pembroke Pines, Florida, 33025.
- f. Please see SECTION 4 - SPECIAL TERMS & CONDITIONS of this IFB for additional information.

1.6 VENDOR REGISTRATION AND QUALIFICATION DOCUMENTS

The City has implemented a new process that is intended to make the bidding process easier for vendors that bid on multiple City projects. This process will require vendors to complete and submit the following standard forms and documents at any time prior to bidding on a project. In addition, the vendors will be able to utilize these same forms without the need to re-fill and re-submit the forms each time they bid on a City project.

Furthermore, please make sure to update this information on an as-needed basis so that all pertinent information is accurate, such as local business tax receipts, and any other relevant information.

These forms will be found under the "Vendor Registration" group of "Qualifications" on the BidSync website for the City of Pembroke Pines. Please note that the BidSync website requires bidders to complete all of these qualifications prior to being able to submit questions on any bids, therefore, please make sure to complete this information as soon as possible.

The following documents can be completed prior to the bidding process through the BidSync website and do not need to be attached to your submittal as the BidSync website will automatically include it.

1.6.1 Vendor Information Form

1.6.2 Form W-9 (Rev. October 2018)

- a. Previously dated versions of this form will delay the processing of any payments to the selected vendor.

1.6.3 Sworn Statement on Public Entity Crimes Form

1.6.4 Local Vendor Preference Certification



- a. If claiming Local Pembroke Pines Vendor Preference, business must attach a current business tax receipt from the City of Pembroke Pines
- b. If claiming Local Broward County Vendor Preference, business must attach a current business tax receipt from Broward County or the city within Broward County where the business resides.
- c. The Local Vendor Preference Certification form must be completed by/for the proposer; the proposer **WILL NOT** qualify for Local Vendor Preference based on their sub-contractors' qualifications.

1.6.5 Local Business Tax Receipts

1.6.6 Veteran Owned Small Business Preference Certification

- a. If claiming Veteran Owned Small Business Preference Certification, business must attach the "Determination Letter" from the United States Department of Veteran Affairs Center for Verification and Evaluation notifying the business that they have been approved as a Veteran Owned Small Business (VOSB).
- b. The Veteran Owned Small Business Preference Certification form must be completed by/for the proposer; the proposer **WILL NOT** qualify for Veteran Owned Small Business Preference based on their sub-contractors' qualifications.

1.6.7 Equal Benefits Certification Form

1.6.8 Vendor Drug-Free Workplace Certification Form

1.6.9 Scrutinized Company Certification

1.7 EVALUATION OF PROPOSALS & PROCESS OF SELECTION

- A. Staff will evaluate all responsive proposals received from proposers who meet or exceed the bid requirements contained in the solicitation. Evaluations shall be based upon the information contained in the proposals as submitted.
- B. Staff will make a recommendation to the City Commission for award of contract.

1.8 TENTATIVE SCHEDULE OF EVENTS

Event	Time &/or Date
Issuance of Solicitation (Posting Date)	August 11, 2020
Mandatory Pre-Bid Meeting	10:00 a.m. on August 20, 2020
Question Due Date	September 1, 2020



Anticipated Date of Issuance for the Addenda with Questions and Answers	September 7, 2020
Proposals will be accepted until	2:00 p.m. on September 15, 2020
Proposals will be opened at	2:30 p.m. on September 15, 2020
Evaluation of Proposals by Staff	TBD
Recommendation of Contractor to City Commission award	TBD
Issuance of Notice to Proceed	TBD
Project Commencement	TBD
Project Completion	180 days from issuance of CITY's Notice to Proceed.

1.8.1 MANDATORY PRE-BID MEETING / SITE VISIT

There will be a mandatory scheduled pre-bid meeting on **August 20, 2020 at 10:00 a.m.** Meeting location will be at the **Public Services Building, Large Conference Room, located at 8300 S. Palm Drive, Pembroke Pines, FL 33025.**

All vendors will be required to sign in at the meeting to show proof of attendance to the mandatory meeting. It is the vendor's responsibility to make sure that they sign in at the meeting.

Attendees shall adhere to any recommendations from the CDC, the State of Florida, Broward County, and the City related to Covid-19 that are applicable to any activity during the site visit. Recommendation may include, but are not limited to, activities such as social distancing and wearing face coverings.

1.9 SUBMISSION REQUIREMENTS

Bids/proposals **must be submitted electronically** at www.bidsync.com on or before **2:00 p.m. on September 15, 2020.**

Please note vendors should be registered on BidSync under the name of the organization that they are operating as and it should match the organization name on the documents that they are submitting and utilizing when responding to the solicitation.

The vendor must provide their pricing through the designated lines items listed on the BidSync website. In addition, the vendor must complete any webforms on the BidSync website and provide any additional information requested throughout this solicitation. Any additional information requested in the solicitation should be scanned and uploaded. **Unless otherwise specified, the City requests for vendors to upload their documents as one (1) PDF document in the order that is outline in the bid package.**

The City recommends for proposers to submit their proposals as soon as they are ready to do so. Please allow ample time to submit your proposals on the BidSync website. Proposals may be modified or withdrawn prior to the deadline for submitting Proposals. BidSync Support is



happy to help you with submitting your proposal and to ensure that you are submitting your proposals correctly, but we ask that you contact their support line at 1-800-990-9339 with ample time before the bid closing date and time.

PLEASE DO NOT SUBMIT ANY PROPOSALS VIA MAIL, E-MAIL OR FAX.

However, please note that any required Bid Bond or Cashier's Check should be in a sealed envelope, plainly marked “**BID SECURITY - IFB # PSPW-20-04 Construction of Equipment & Machinery Building**” and sent to the City of Pembroke Pines, City Clerk’s Office, 4th Floor, 601 City Center Way, Pembroke Pines, Florida, 33025.



SECTION 4 - SPECIAL TERMS & CONDITIONS

4.1 PROPOSAL SECURITY

Proposal Security Requirements: Each Proposal must be accompanied by a certified or cashier's check or by a Bid Bond made payable to the City of Pembroke Pines on an approved form, duly executed by the Proposer as principal and having as surety thereon a surety company acceptable to CITY and authorized to write such Bond under the laws of the State of Florida, in an amount not less than five percent (5%) of the amount of the base Proposal price.

Proposers must submit a scanned copy of their bid security (bid bond form or cashier's check) with their bid submittal through BidSync. Proposers must also submit their original bid security (bid bond form or cashier's check) at time of the bid due date, or they may be deemed as non-responsive. The original Bid Bond or Cashier's Check should be in a sealed envelope, plainly marked "**BID SECURITY - IFB # PSPW-20-04 "Construction of Equipment & Machinery Building"**" and sent to the:

City of Pembroke Pines,
City Clerk's Office, 4th Floor,
601 City Center Way,
Pembroke Pines, Florida, 33025.

Successful Proposer: The Proposal Security of the Successful Proposer will be retained until such Proposer has executed the Contract and furnished the required insurance, payment and performance bonds, whereupon the Proposal Security will be returned. If the Successful Proposer fails to execute and deliver the Contract and furnish the required insurance and bonds within fifteen (15) calendar days of the Notice of Award, CITY may annul the Notice of Award and the entire sum of the Proposal Security shall be forfeited.

Three Lowest Proposers: The Proposal Security of the three (3) lowest Proposers will be returned within seven (7) calendar days after CITY and the Successful Proposer have executed the written Contract or if no such written Contract is executed within ninety (90) calendar days after the date of the Proposal opening, upon the demand of any Proposer at any time thereafter, provided that he has not been notified of the acceptance of his Proposal.

All Other Proposers: Proposal Security of all other Proposer will be returned within seven (7) calendar days after the proposal opening. The agent or attorney in fact or other officer who signs a Bid Bond for a surety company must file with such bond a certified copy of his power of attorney authorizing him to do so.

4.2 PAYMENT AND PERFORMANCE BONDS

Within fifteen (15) calendar days after Notice of Award and in any event prior to commencing work, the Contractor shall execute and furnish to City a performance bond and a payment bond, each written by a corporate surety, having a resident agent in the State of Florida and having been in business with a record of successful continuous operation for at least five (5) years. The surety shall hold a current certificate of authority from the Secretary of Treasury of the United States as an acceptable surety on federal bonds in accordance with United States Department of Treasury Circular No. 570. If the amount of the Bond exceeds the underwriting limitation set forth in the circular, in order to qualify, the net retention of the surety company shall not exceed the underwriting limitation in the circular and the excess risks must be protected by coinsurance, reinsurance, or other methods, in accordance with Treasury Circular 297, revised September 1, 1978 (31DFR, Section 223.10, Section 223.11). Further, the surety company shall provide City with evidence



satisfactory to City, that such excess risk has been protected in an acceptable manner. The surety company shall have at least the following minimum qualification in accordance with the latest edition of A.M. Best's Insurance Guide, published by Alfred M. Best Company, Inc., Ambest Road, Oldwick, New Jersey 08858:

B+ to A+

Two (2) separate bonds are required and both must be approved by the City. **The penal sum stated in each bond shall be 100% of the contract price.** The performance bond shall be conditioned that the Contractor performs the contract in the time and manner prescribed in the contract. The payment bond shall be conditioned that the Contractor promptly make payments to all persons who supply the Contractor with labor, materials and supplies used directly or indirectly by the Contractor in the prosecution of the work provided for in the Contract and shall provide that the surety shall pay the same in the amount not exceeding the sum provided in such bonds, together with interest at the maximum rate allowed by law; and that they shall indemnify and save harmless the City to the extent of any and all payments in connection with the carrying out of said Contract which the City may be required to make under the law.

Pursuant to the requirements of Section 255.05(1)(a), Florida Statutes, it shall be the duty of the Contractor to record the aforesaid payment and performance bonds in the public records of Broward County, with the Contractor to pay all recording costs.

4.3 OWNER'S CONTINGENCY

While the specifications contained in this solicitation and any ensuing Purchase Orders or contracts have incorporated all anticipated work to be accomplished, there may be unanticipated work required of the vendor in conjunction with a specific project. For this reason, the City

Commission may award a project with an "Owner's Contingency". This contingency or allowance authorizes the City execute change orders up to the amount of the contingency without the need to obtain additional Commission approval. The Owner's Contingency is usually based on a specified percent of the proposed project amount and is established for the specific project being performed under the contract. This dollar amount shall be shown on the specific project purchase order as a distinct item from the vendor's overall offer to determine the total potential dollar value of the contract. It is hereby understood and agreed that the vendor shall not expend any dollars in connection with the Owner's Contingency without the expressed prior approval of the City's authorized representative. Any Owner's Contingency funds that have not been utilized at the end of the project will remain with the Owner, the contractor shall only be paid for the proposed project cost as approved by the City Commission along with any Owner Contingency expenses that were approved by the City's authorized representative.

4.4 TAX SAVER PROGRAM

The Contractor shall cooperate on certain projects to allow the City to avail itself of a sales tax savings program.

4.5 RELEASE OF LIEN

Contractor must provide an executed Partial/Final Release of Lien utilizing the City's standard Release of Lien Form in order for the City to release any payments to the Contractor.

4.6 SOLID WASTE CONSTRUCTION AND DEMOLITION DEBRIS COLLECTION AND DISPOSAL REQUIREMENTS

The City of Pembroke Pines has an exclusive solid waste franchise agreement with Waste Pro of Florida, Inc. for the collection and



disposal of all solid waste including construction and demolition (C & D) debris. All applicants for bids to perform construction work for the City of Pembroke Pines shall be subject to the requirements found in the City's exclusive solid waste franchise agreement and must contract Waste Pro of Florida, Inc. for the collection and disposal of all construction and demolition debris generated at such construction job sites.

For the current applicable rates and fees for Waste Pro of Florida, Inc. dumpsters, roll-off containers, and other related solid waste service equipment needs, please contact David Perez, Waste Pro's Pembroke Pines Sales Representative at (954) 967-4200 or dperez@wasteprousa.com.

For further information related to the solid waste franchise requirements, please contact Rose Colombo, Solid Waste Franchise Agreement Contract Manager, at (954) 518-9011 or rcolombo@ppines.com.

For solid waste franchise enforcement questions, please contact the City of Pembroke Pines Code Compliance Unit at (954) 431-4466.

**CONTACT INFORMATION FORM**

IN ACCORDANCE WITH “PSPW-20-04” titled “Construction of Equipment & Machinery Building” attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal. The vendor must provide their pricing through the designated lines items listed on the BidSync website.

COMPANY INFORMATION:

COMPANY: _____

STREET ADDRESS: _____

CITY, STATE & ZIP CODE: _____

PRIMARY CONTACT FOR THE PROJECT:

NAME: _____ TITLE: _____

E-MAIL: _____

TELEPHONE: _____ FAX: _____

AUTHORIZED APPROVER:

NAME: _____ TITLE: _____

E-MAIL: _____

TELEPHONE: _____ FAX: _____

SIGNATURE: _____

**B) Proposal Checklist**

Did you make sure to submit the following items, as stated in section 1.5 “Proposal Requirements” of the bid package?

Attachment A - Contact Information Form	Yes_____
Attachment B - Non-Collusive Affidavit	Yes_____
Attachment C - Proposer’s Completed Qualification Statement	Yes_____
Attachment F - References Form	Yes_____
Does your proposal exceed \$200,000 for this construction project? If so, please include a Proposal Security (Bid Bond or Cashier’s Check) along with a line item to provide a Payment and Performance Bond. (See Package for details)	Yes_____

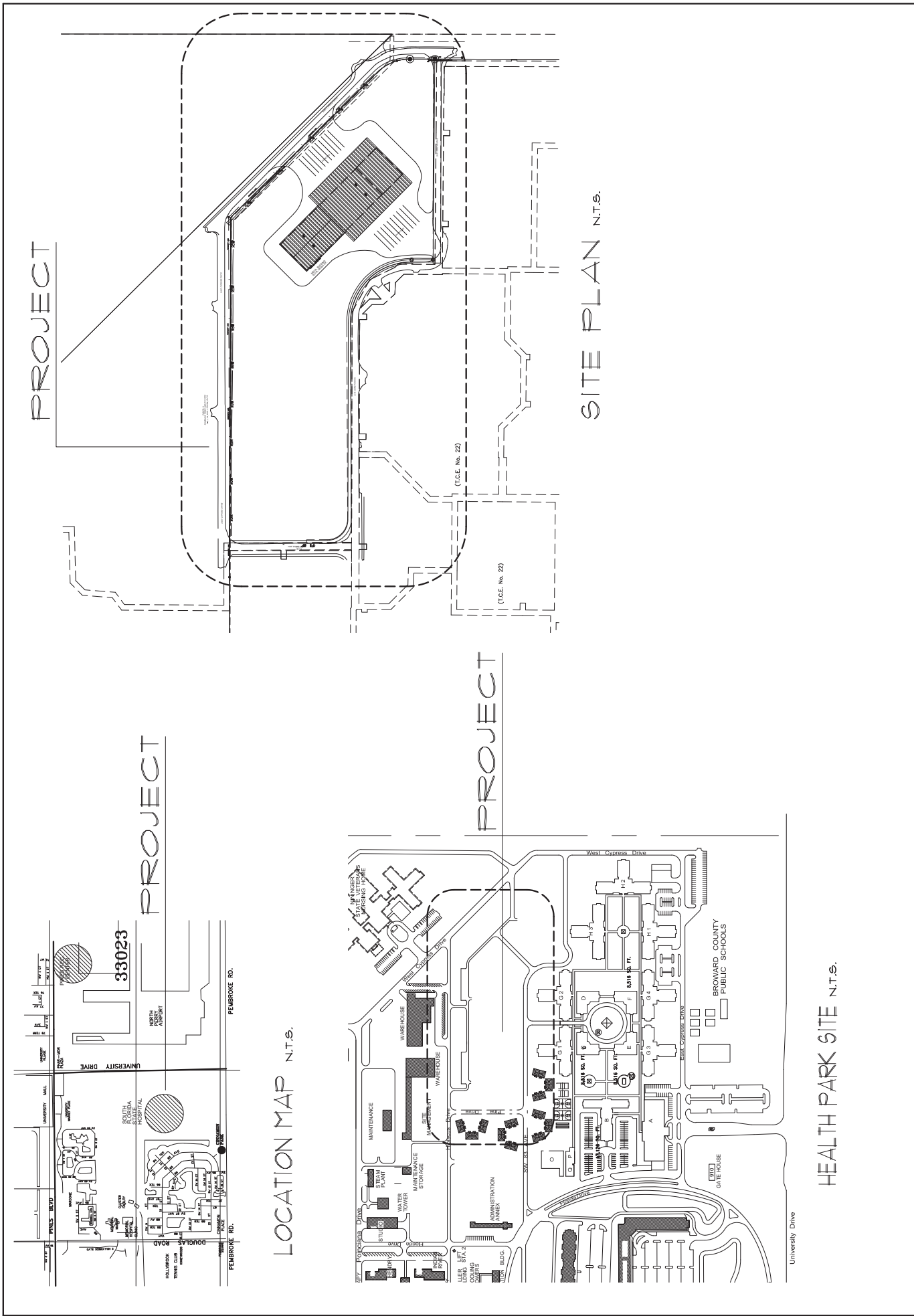
Did you make sure to update the following documents found under the “Vendor Registration” group of “Qualifications” on the BidSync website for the City of Pembroke Pines?

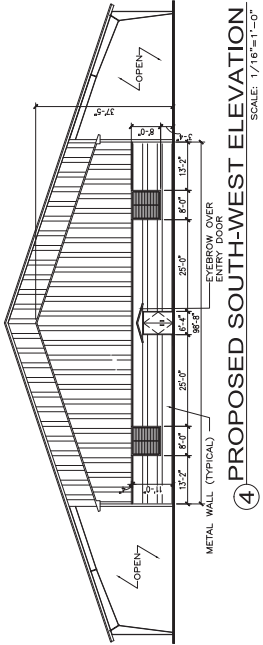
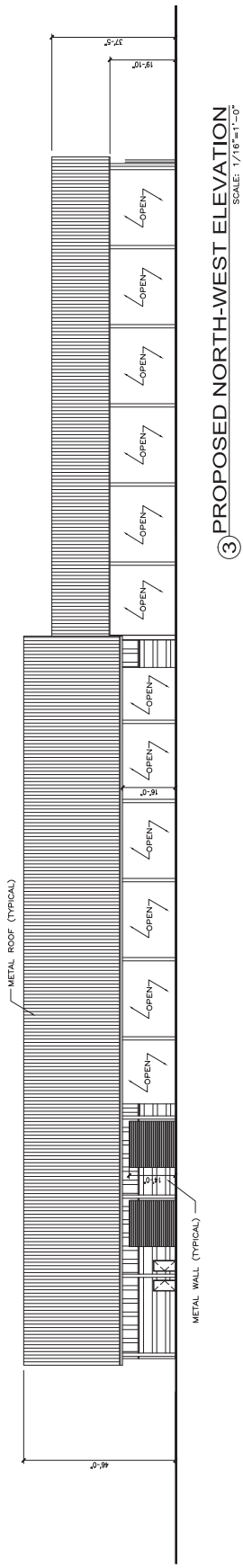
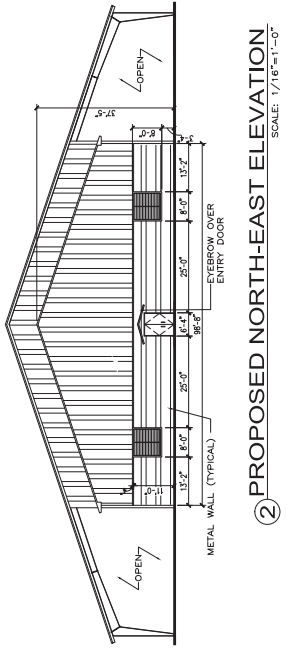
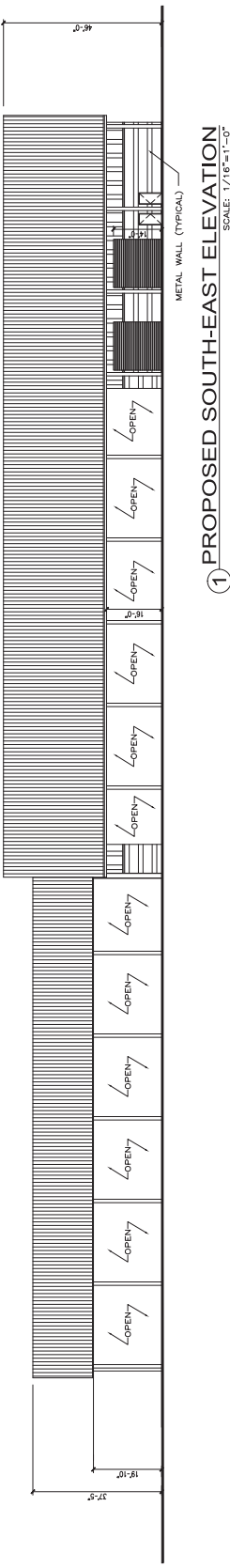
Vendor Information Form	Yes_____
Form W-9 (Rev. October 2018)	Yes_____
Sworn Statement on Public Entity Crimes Form	Yes_____
Local Vendor Preference Certification	Yes_____
Local Business Tax Receipts	Yes_____
Veteran Owned Small Business Preference Certification	Yes_____
Equal Benefits Certification Form	Yes_____
Vendor Drug-Free Workplace Certification Form	Yes_____
Scrutinized Company Certification	Yes_____

C) Sample Proposal Form

The following sample price proposal is for information only. The vendor must provide their pricing through the designated lines items listed on the BidSync website.

#	Location	Total Coast
1	Cost to construct the specified Equipment & Machinery Building	Price to be Submitted Via BidSync
2	Cost to Provide Payment and Performance Bond for the project, in the form of a percent	Percent to be Submitted Via BidSync





REVISIONS	BY	DATE
1
2
3
4
5
6
7
8
9
10

LICENSE NO.

SEAL

PROJECT
HEALTH PARK METAL BUILDING
PARK BROOK TOWNSHIP HEALTH PARK
11000 W. 11TH AVE. #100
PARK BROOK, FL 33042

SCALE

AS IND.

DATE:

06-14-2016

DRAWN BY

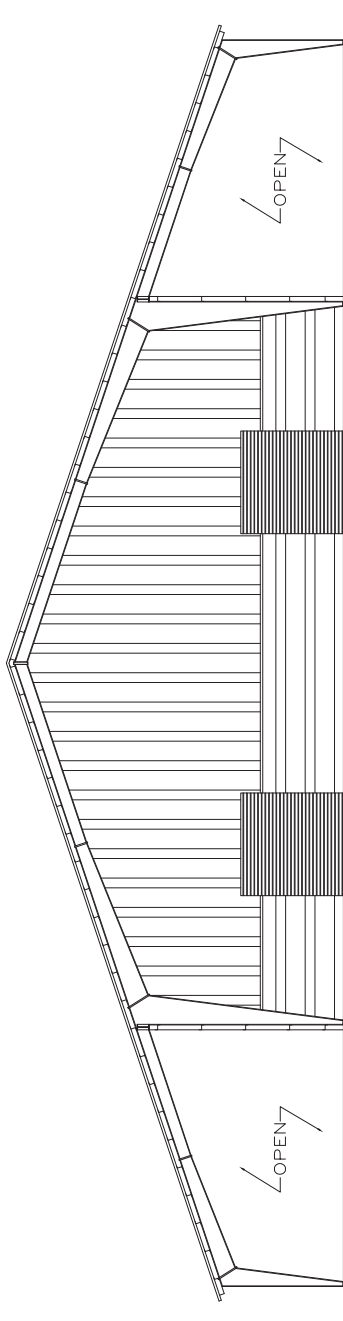
A. NUNEZ

DRAWING NO.

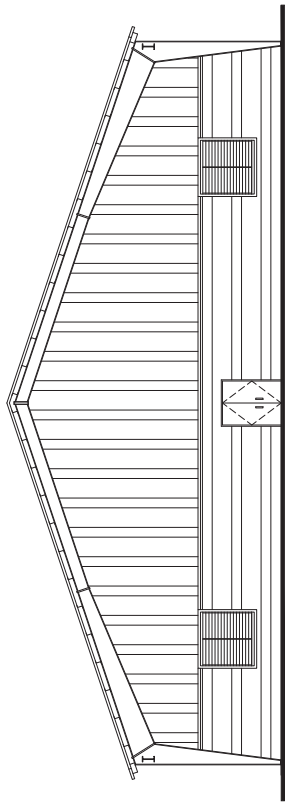
PS06142016

DESCRIPTION

A-4



SECTION B-B
SCALE: 1/8"=1'-0"



SECTION A-A
SCALE: 1/8"=1'-0"

Subsoil Investigation Report

prepared by:



Client: City of Pembroke Pines

Contact: Garth Leclerc

Address: 8300 South Palm Drive
Pembroke Pines, FL 33025

Project: Proposed Metal Buildings

Address: 701-801 Hibiscus Drive
Pembroke Pines, FL 33025

Date: Tuesday, May 19, 2020



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Project Location	
Soil Boring Location(s)	
Soil Classifications	
Sampling Procedures	
Limitations of Liability	

For Your Information

Our findings in this report are based on soil conditions encountered in the test bore locations only, proposed structure to be built, (if available at this stage), Florida Building Code requirements and standard engineering practices. If your report is preliminary (i.e. vacant land or building to be demolished) additional borings are required within the foot print of the proposed structure once the location & layout of the proposed structure is known.

Please read this report in its entirety and follow all recommendations. Failure to do so may result in the permitting agency (Building Department, etc.) withholding the Certificate of Occupancy. This will cause delays and additional costs. The Permitting Agency will require a final certification or signing off of the project prior to issuing the Certificate of Occupancy. All of our recommendations need to be followed to receive a final certification from F.E.T., including densities on each lift, demucking verification, piling inspection, etc., whichever recommendation applies to your project.

Please schedule us at least 24 hours in advance for all tests and inspections. If you choose to use another Engineering Firm, you must verify they will provide you with the proper certification in writing, as outlined in our report. Our firm will only provide a certification letter if it has verified all work as recommended in our report.

Tuesday, May 19, 2020

Job Order Number 20SB374

City of Pembroke Pines8300 South Palm Drive
Pembroke Pines, FL 33025
Attn.: Garth LeclercRE: **Subsoil Investigation**
Proposed Metal Buildings
701-801 Hibiscus Drive
Pembroke Pines, FL 33025

Dear Sirs:

Pursuant to your request, Federal Engineering & Testing, Inc. has completed a subsoil investigation on 05-18-2020 at the above referenced site. The purpose of our investigation was to verify subsoil conditions relative to foundation preparation and design.

A total of five (5) SPT borings were performed according to ASTM D-1586 drilled down to a depth of twenty-five feet (25) below the existing ground surface. (See attached field sketch for locations). The following is a general description of soil stratas for the subject site:

Depth		Description of Soils
From	To	
0"	11'	Pale Brown Sand with Rock
11'	13'	Light Gray Sand with Traces of Rock
13'	20'	Light Gray Sand
20'	25'	Gray Sand

Groundwater table elevation was measured immediately at the completion of each boring and was found at an average depth of four (4) feet below existing ground surface. Fluctuation in water level should be anticipated due to seasonal variations and run off as well as varying ground elevation, construction dewatering and pumping activities in the area. Site contractor must familiarize himself with site conditions in the event groundwater controls and dewatering is needed. Surface flooding may result under hurricane conditions and should be taken into consideration in the design of the project. The contractor shall make sure that groundwater levels on adjacent properties are not affected by the contractors dewatering activities. Specialty groundwater contractors shall be consulted for all work below the groundwater level.

Tuesday, May 19, 2020
701-801 Hibiscus Drive
Pembroke Pines, FL 33025
Page 2

The boring log(s) attached present a detailed description of the soils encountered at each location. The soil stratification shown on the boring log(s) is based on the examination of the recovered soil samples and interpretation of the driller's field log(s). It indicates only the approximate boundaries between soil types. The actual transitions between adjacent soil types may be gradual.

From a geotechnical engineering perspective, the site is suitable for the construction of the proposed structure, provided that the surface sand layers are compacted in place and proof rolled. Localized areas of loose materials, if present, will become evident during site clearing, grubbing and proof rolling, and must be removed prior to filling operations.

Based on our understanding of the proposed structure and the information obtained from our field boring log(s); we recommend the following procedures for foundation design:

- 1) Strip the entire footings and building construction areas plus five (5) feet past the outer perimeter of topsoil and ground vegetation (when encountered) down to clean granular material. Any underground structures, utility lines, root systems and drainage trenches, etc. must be removed in their entirety from beneath the proposed construction areas. The city arborists should be contacted prior to any land clearing to verify compliance with any local codes.
- 2) Saturate and compact all construction areas with a heavy self propelled vibratory roller to a minimum of 95% of the ASTM D-1557 modified proctor method. Make a minimum of ten (10) passes with the roller in each direction.
- 3) Care should be taken when using vibration in case of existing structures in the vicinity of the construction area. If vibration cannot be used for compaction, static compaction may be applied. However, in this case, the compacted layer should not exceed 6 inches in thickness.
- 4) Backfill construction areas to proper elevation if needed using a clean granular material placed in lifts not to exceed twelve (12) inches in thickness and compacted as per item 2.
- 5) Representative samples of the on-site and proposed fill material should be collected and tested to determine the classification and compaction characteristics.
- 6) All construction fill material above the water table shall be clean granular soil, free of organics or other deleterious material, and shall contain no more than twelve (12) percent fines passing a U.S. Standard No. 200 sieve (0.075mm) and have a Unified Soil Classification (USCS) designation of GP, GW, GP-GM, GW-GM, SP or SW. No particle size greater than three (3) inches shall be used in the top 12 inches of the building pad.
- 7) Fill Material below the water table shall be washed free draining gravel such as FDOT No. 57 stone or equivalent to about 12 inches above the water table unless dewatering is used. When dewatering is used, fill material shall be clean granular soil, free of organics or other deleterious material, and shall contain no more than twelve (12) percent fines passing a U.S. Standard No. 200 sieve (0.075mm).

Tuesday, May 19, 2020
 701-801 Hibiscus Drive
 Pembroke Pines, FL 33025
 Page 3



- 8) Verify all densification procedures by taking an adequate number of field density tests in each layer of compacted material. Density tests shall be performed on the slab areas, footing areas, interior bearing wall footings and column pad footings. This must be scheduled immediately after Tamp and Spray and/or Compaction, but before Reinforcing Steel Placement. If reinforcing steel is already in-place, it must be removed from all areas to be tested prior to performing densities.
- 9) After the installation of any plumbing and electrical piping; we recommend that the disturbed area be recompacted and additional densities tests be performed to verify proper compaction of the disturbed areas.
- 10) All of the above Geotechnical work shall be performed under the supervision of Federal Engineering & Testing's geotechnical engineer or his representative to verify compliance with our specifications and the Florida Building Code. Please call us at 954-784-2941 for scheduling.
- 11) In the event of existing structures, existing footings or proposed drainage lines, provisions shall be made by the structural engineer and site contractor to protect all footings from undermining and exposure. The geotechnical engineer shall be notified of these conditions to evaluate the applicability of his recommendations.

The above foundation recommendations being achieved and verified; it is our opinion that the proposed structure be designed for a shallow foundation system with a permissible soil bearing pressure not to exceed 2500 P.S.F. Building pad certification requires satisfactory completion and verification of all the above foundation recommendations.

Slabs placed upon compacted fill may be designed using a modulus of subgrade reaction value of 200 pci. The following soil parameters shall be used for retaining wall designs:

• Soil unit weight moist-----	110 pcf
• Soil unit weight buoyant-----	48 pcf
• Angle of internal friction-----	30°
• Active Earth pressure coefficient (Ka)-----	0.33
• Passive Earth pressure coefficient (Kp)-----	3.0
• Angle of wall friction for steel piles-----	30°
• Angle of wall friction for concrete / brick walls-----	20°
• Angle of wall friction for uncoated steel-----	15°

Excavations shall not extend within one (1) foot of the angle of repose next to existing footings or structures unless underpinned. Trenching shall be in compliance with the Florida Building Code, OSHA and Trench Safety Act requirements. Shorings shall be designed and inspected by a Florida licensed professional engineer.

Provisions shall be made by the architect, engineer of record and contractor to address differential settlements when tying in new to existing structures. Mixing of different foundation types shall not be used unless provided with expansion joints to address differential settlement.



Tuesday, May 19, 2020
701-801 Hibiscus Drive
Pembroke Pines, FL 33025
Page 4

Detailed settlement analysis was beyond the scope of this report. Comparing the field test data obtained in this exploration with our experience with structures similar to those proposed for this project, the estimated magnitude of these settlements is 0.5 to 1 inch. Due to the granular nature of the subsurface materials, the foundation settlements should occur as the loads are applied and should be virtually negligible by the end of the building shell completion.

All outside ground surfaces must be sloped away from the structure to avoid water accumulation and ponding. All rain waters shall be discharged away from all building foundations. Verify all water, sewer, plumbing, sprinkler and drainage lines are properly functioning with no leaks in the vicinity of the foundation.

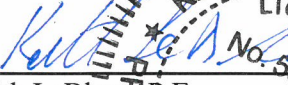
Regardless of the thoroughness of a geotechnical exploration, there is always the possibility that conditions may be different from those of the test locations; therefore, Federal Engineering & Testing, Inc. does not guarantee any subsoil condition between the bore test holes. A site plan showing the location of the proposed structure was provided at the time the soil borings were performed. Once plans and specifications have been finalized and drawn, Federal Engineering & Testing, Inc. shall be provided a copy of the finalized plans and specifications for review. For a more accurate portrayal of subsurface conditions, the site contractor should perform test pits. If different conditions are encountered, Federal Engineering & Testing Inc., shall be notified to review the findings and make any recommendations as needed. In accepting this report the client understands that all data from the soil borings is intended for foundation analysis only and is not to be used for excavating, backfilling or pricing estimates. The site contractor must familiarize themselves with the job site conditions.

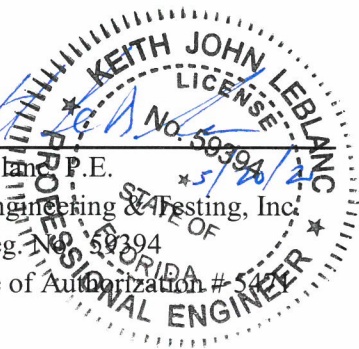
Environmental analysis of the soil materials is not part of the scope of services. If environmental analysis of the soils is required, we can provide a proposal for performing an environmental analysis of the soil materials. For Environmental due diligence, a Phase I and/or Phase II Environmental Site Assessment is recommended.

As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

Federal Engineering & Testing, Inc. appreciates the opportunity to be of service to you at this phase of your project. Please feel free to contact us if we may be of further service to you.

Sincerely,


Keith LeBlanc, P.E.
Federal Engineering & Testing, Inc.
Florida Reg. No. 59394
Certificate of Authorization # 542





Tuesday, May 19, 2020
701-801 Hibiscus Drive
Pembroke Pines, FL 33025
Page 5

Appendices

SPT Test Boring Report

Client: City of Pembroke Pines
Project: Proposed Metal Buildings
Address: 701-801 Hibiscus Drive
Pembroke Pines, FL 33025

Date of Test: May 18, 2020
Hole No.: B-1
Location: See Attached Drawing

Depth (FT)	Soil Descriptions	Hammer Blows		"N"
1	0" - 11' Pale Brown Sand with Rock	-	-	-
2		8	8	-
3		8	9	19
4		10	11	
5		10	11	22
6		11	11	
7		11	12	24
8		12	12	
9	11' - 13' Light Gray Sand with Traces of Rock	12	13	26
10		13	14	
11		A	A	A
12		A	A	
13	13' - 20' Light Gray Sand	A	A	A
14		A	A	
15		14	15	30
16		15	16	
17		A	A	A
18		A	A	
19		A	A	A
20		A	A	
21	20' - 25' Gray Sand	16	17	35
22		18	19	
23		A	A	A
24		A	A	
25		A	A	
26				
27				
28				
29				
30				

Water Level: 6'3" Below Land Surface

A = Auger

SPT Test Boring Report

Client: City of Pembroke Pines
Project: Proposed Metal Buildings
Address: 701-801 Hibiscus Drive
Pembroke Pines, FL 33025

Date of Test: May 18, 2020
Hole No.: B-2
Location: See Attached Drawing

Depth (FT)	Soil Descriptions	Hammer Blows		"N"
1	0" - 3' Limerock	8	8	17
2		9	9	
3	3' - 5' Light Gray Sand	9	10	20
4		10	10	
5	5' - 7' Dark Brown Sand with Rock	11	11	23
6		12	11	
7		11	10	20
8		10	11	
9	7' - 15' Brown Sand	12	12	25
10		13	12	
11		A	A	A
12		A	A	
13		A	A	A
14		A	A	
15	15' - 20' Light Gray Sand	13	13	27
16		14	13	
17		A	A	A
18		A	A	
19	20' - 25' Brown Sand	A	A	A
20		A	A	
21		14	15	30
22		15	15	
23		A	A	A
24		A	A	
25		A	A	
26				
27				
28				
29				
30				

Water Level: 5'3" Below Land Surface

A = Auger



Phone: 954-784-2941
 E-Fax: 954-784-7875
 admin@fed-eng.com
 www.fed-eng.com

3370 NE 5th Avenue Oakland Park, Florida 33334

SPT Test Boring Report

Client: City of Pembroke Pines
Project: Proposed Metal Buildings
Address: 701-801 Hibiscus Drive
 Pembroke Pines, FL 33025

Date of Test: May 18, 2020
Hole No.: B-3
Location: See Attached Drawing

Depth (FT)	Soil Descriptions	Hammer Blows		"N"
1	0" - 8' Pale Brown Sand with Rock	7	8	16
2		8	7	
3		8	9	18
4		9	10	
5		11	10	21
6		11	11	
7	8' - 13' Light Gray Sand with Rock	10	10	20
8		10	11	
9		12	12	25
10		13	12	
11		A	A	A
12		A	A	
13	13' - 15' Pale Gray Sand	A	A	A
14		A	A	
15		13	14	28
16		14	14	
17		A	A	A
18		A	A	
19	15' - 25' Pale Brown Sand	A	A	A
20		A	A	
21		15	15	31
22		16	15	
23		A	A	A
24		A	A	
25		A	A	
26				
27				
28				
29				
30				

Water Level: 4'9" Below Land Surface

A = Auger

SPT Test Boring Report

Client: City of Pembroke Pines
Project: Proposed Metal Buildings
Address: 701-801 Hibiscus Drive
Pembroke Pines, FL 33025

Date of Test: May 18, 2020
Hole No.: B-4
Location: See Attached Drawing

Depth (FT)	Soil Descriptions	Hammer Blows		"N"
1	0" - 6" Topsoil & Vegetation	6	6	12
2		6	7	
3	6" - 6' Brown Sand with Rock	8	7	14
4		7	8	
5		9	9	19
6		10	9	
7	6' - 11' Light Gray Sand with Rock	11	11	23
8		12	12	
9		11	10	20
10		10	10	
11		A	A	A
12		A	A	
13	11' - 20' Pale Gray Sand	A	A	A
14		A	A	
15		12	12	25
16		13	13	
17		A	A	A
18		A	A	
19		A	A	A
20		A	A	
21	20' - 25' Pale Brown Sand	14	15	29
22		14	15	
23		A	A	A
24		A	A	
25		A	A	
26				
27				
28				
29				
30				

Water Level: 4'6" Below Land Surface

A = Auger

SPT Test Boring Report

Client: City of Pembroke Pines
Project: Proposed Metal Buildings
Address: 701-801 Hibiscus Drive
Pembroke Pines, FL 33025

Date of Test: May 18, 2020
Hole No.: B-5
Location: See Attached Drawing

Depth (FT)	Soil Descriptions	Hammer Blows		"N"
1	0" - 6" Topsoil & Vegetation	6	6	13
2		7	7	
3	6" - 6' Brown Sand	6	7	15
4		8	8	
5		9	10	20
6		10	11	
7	6' - 11' Pale Brown Sand with Rock	10	11	23
8		12	12	
9		11	11	22
10		11	11	
11	11' - 16' Light Gray Sand	A	A	A
12		A	A	
13		A	A	A
14		A	A	
15	16' - 20' Brown Sand	13	13	27
16		14	15	
17		A	A	A
18		A	A	
19	20' - 25' Pale Brown Sand	A	A	A
20		A	A	
21		16	16	33
22		17	14	
23		A	A	A
24		A	A	
25		A	A	
26				
27				
28				
29				
30				

Water Level: 4'3" Below Land Surface

A = Auger



Site Location Map

Federal Engineering & Testing Inc. 3370 NE 5th Avenue, Oakland Park, FL 33334 (954) 784-2941

Client: City of Pembroke Pines
Test: Subsoil Investigation
(site map is not to scale)

Project: Proposed Metal Buildings
Project Address: 701-801 Hibiscus Drive
Pembroke Pines, FL 33025



Soil Boring Location Map

Federal Engineering & Testing Inc. 3370 NE 5th Avenue, Oakland Park, FL 33334 (954) 784-2941

Client: City of Pembroke Pines
Test: Subsoil Investigation
(site map is not to scale)

Project: Proposed Metal Buildings
Project Address: 701-801 Hibiscus Drive
Pembroke Pines, FL 33025

Soil Classifications

Correlation of Penetration Resistance with Relative Density and Consistency					
Sands					
Dynamic Cone Penetrometer <i>Penetrometer Resistance</i>		Standard Penetration <i>Hammer Blows</i>		Relative Density	
	0 - 10		0 - 4		Very Loose
	11 - 25		5 - 10		Loose
	26 - 45		11 - 20		Firm
	45 - 75		21 - 30		Very Firm
	76 - 120		31 - 50		Dense
	> 120		> 50		Very Dense

Silts & Clay					
Dynamic Cone Penetrometer <i>Penetrometer Resistance</i>		Standard Penetration <i>Hammer Blows</i>		Relative Density	
	0 - 6		0 - 2		Very Soft
	7 - 15		3 - 5		Soft
	16 - 30		6 - 10		Firm
	31 - 45		11 - 15		Stiff
	46 - 90		16 - 30		Very Stiff
	91 - 150		31 - 50		Hard

Rock Hardness Description	
Soft	Rock core crumbles when handled
Medium	Can break core with your hands
Moderately Hard	Thin edges of rock core can be broken with fingers
Hard	Thin edges of rock core cannot be broken with fingers
Very Hard	Rock core rings when struck with a hammer

Sand Quantity Modifiers	
Very Slight Trace	0 - 2 %
Slight Trace	2 - 5 %
Trace	5 - 10 %
Little Trace	10 - 15 %
Some	15 - 30 %
With	> 30 %

Particle Size	
Boulder	> 12 in
Cobble	3 - 12 in
Gravel	4.76 mm - 3 in
Sand	0.074 mm - 4.76 mm
Silt	0.005 mm - 0.074 mm
Clay	< 0.005 mm

Silt - Clay Quantity Modifiers	
Slightly Silty / Clayey	0 - 5 %
Silty / Clayey	5 - 30 %
Very Silty / Clayey	30 - 50 %

Drilling & Sampling Procedures

The soil borings were installed in accordance with Standard Penetration Tests procedures as set forth in ASTM D-1586. Representative samples were collected utilizing spilt-barrel techniques in accordance with the procedures set forth in "Penetration Tests and Spilt-Barrel Sampling of Soil in ASTM D-1586. The following field tests, measurements and laboratory analysis were performed/collected during the installation of each soil boring.

Penetration Tests

During the sampling procedures, Standard Penetration Tests were performed at five (5) foot intervals to obtain the standard penetration value (N) of the subsurface soil. The standard penetration value (N) is identified as the number of blows of a 140-pound hammer falling thirty (30) inches, required to advance the spilt-barrel sampler one (1) foot into the subsurface soil. The sampler was lower into the bottom of the previously cleaned drill hole and advanced by blows from the hammer. The number of blows was recorded for each of the three (3) successive increments of six (6) inches penetration. The "N" value is obtained by adding the second and third incremental numbers.

Water Level Measurements

Water Level depths were obtained during the test boring operations. In relatively pervious soils, such as sandy soils, the indicated depths are usually reliable groundwater levels. Seasonal variations, tidal conditions, temperature, land-use and recent rainfall conditions may influence the depths to groundwater levels.

Soil Properties / Classification

All samples collected were classified in accordance with the Unified Soil Classification System criteria to determined soil material properties and compared with published literature of the USDA Soil Conservation Survey.

Ground Surface Elevations

Ground surface elevations have not been provided for the proposed boring locations. Therefore, all references to depth of the various strata and materials encountered were from existing grade at the time of the drilling operations.

Limitations of Liability

Warranty

We warrant that the services performed by Federal Engineering and Testing, Inc. (F.E.T.) are conducted in a manner consistent with the level of skill and care ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranties, expressed or implied, are made. While the services of F.E.T. are an integral and valuable part of the design and construction process, we do not warrant, guarantee, or insure the quality or completeness of services or satisfactory performance provided by other members of the construction process and/or the construction plans and specifications which we have not prepared, nor the ultimate performance of building site materials. As mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval. Reports are not intended for 3rd party use.

Subsurface Exploration

Subsurface exploration is normally accomplished by test borings. The soil boring log includes sampling information, description of the materials recovered, approximate depths of boundaries between soil and rock strata and groundwater data. The log represents conditions specifically at the location and time the boring was made. The boundaries between different soil strata are indicated at specific depths; however, these depths are in fact approximate and dependent upon the frequency of sampling. The transitions between soil stratum are often gradual. Water level readings are made at the time the boring was performed and can change with time, precipitation, canal levels, local well drawdown, and other factors. Regardless of the thoroughness of a Geotechnical exploration there is always a possibility that conditions may be different from those of the test locations; therefore F.E.T. does not guarantee any subsoil condition surrounding the bore test holes. For a more accurate portrayal of subsurface conditions, the site contractor should perform tests pits. If different conditions are encountered, F.E.T. shall be notified to review the findings and make any recommendations as needed.

Laboratory and Field Tests

Tests are performed in accordance with specific ASTM Standards unless otherwise indicated. All criteria included in a given ASTM Standard are not always required and performed. Each test report indicates the measurements and determinations actually made.

Ownership of Tests / Reports

All test results and/or reports prepared by F.E.T. pursuant to this agreement and/or Addendum(s) thereto, shall remain the property of F.E.T. until all monies due and owing to F.E.T. under this Agreement and/or Addendum(s) thereto, are paid in full.

Analysis and Recommendations

The Geotechnical report is prepared primarily to aid in the design of site work and structural foundations. Although the information in the report is expected to be sufficient for these purposes, it is not intended to determine the cost of construction or to stand alone as construction specifications.

Analysis and Recommendations cont.

In accepting this report the client understands that all data from the soil boring is intended for foundation analysis only and is not to be used for excavating, backfilling or pricing estimates. In accepting this report the client understands that all data from the soil boring is intended for foundation analysis only and is not to be used for excavating, backfilling or pricing estimates. The site contractor must familiarize themselves with the job site conditions. Soil boring(s) on unmarked vacant property or existing structure(s) to be demolished is considered preliminary with further boring(s) to be performed after proposed building pad is staked out. Report recommendations are based primarily on data from test borings made at the locations shown on the test boring reports. Soil variations may exist between borings and may not become evident until construction. If variations are then noted, F.E.T. must be contacted so that field conditions can be examined and recommendations revised if necessary. The Geotechnical report states our understanding as to the location, dimensions, and structural features proposed of the site. Any significant changes in the nature, design, or location of the site improvements must be communicated to F.E.T. so that the Geotechnical analysis, conclusions, and recommendations can be appropriately adjusted.

Construction Observations

Construction observation and testing is an important element of Geotechnical services. The Geotechnical Engineer's Field Representative (Field Rep.) is the "owner's representative" observing the work of the contractor, performing tests, and reporting data from such tests and observations. The Geotechnical Engineer's Field Representative does not direct the contractor's construction means, methods, operations, or personnel. The Field Rep. does not interfere with the relationship between the owner and the contractor, and except as an observer, does not become a substitute owner on site. The Field Rep. is only collecting data for our Engineer to review. The Field Rep. is responsible for his/her safety only, but has no responsibility for the safety of other personnel and/or the general public at the site. If the Field Rep. does not feel that the site is offering a safe environment for him/her, the Field Rep. will stop his/her observation/ testing until he/she deems the site is safe. The Field Rep. is an important member of a team whose responsibility is to observe the test and work being done and report to the client whether that work is being carried out in general conformance with the plans and specifications.

Limitations of Report

Federal Engineering & Testing, Inc. shall have no liability, in contract, tort or otherwise, for any inaccuracy, defect, or omission in interpreting this report and shall not in any event have any liability for lost profits or any other indirect, special, incidental, consequential, exemplary or punitive damages. In the event of future conflict between owners and contractors the following applies: F.E.T.(s) legal and/or company representation and preparation for representation fees will be billed on an hourly rate, i.e. deposition, expert witness, etc. F.E.T. has no obligation to amend its conclusions or recommendations after the date of this report. Any alterations or changes in the location of the project should be brought to our attention at the earliest convenience for review and applicability of this report.

Partial List of Services

Geotechnical Engineering Services

Soil / Aggregate Tests
Soil Borings
Density Compaction Tests
Grain Size Analysis
Moisture Contents
Soil Classifications
Limerock Bearing Ratios
Florida Bearing Values
Specific Gravity
Carbonate Analysis
Hydraulic Conductivity
Organic Contents
L.A. Abrasion

FDOT Inspections
QC Management
Earthwork Inspections
QC Concrete Inspections
QC Asphalt Inspections

Field Inspection Services
Fill & Quality Control Inspections
Demucking Inspections
Building Inspections
Pile Driving Inspections
Pile Load Tests
Steel Inspection
Threshold Inspection
Bolt Inspection
Weld Inspection
Vibration Monitoring

Geotechnical Engineering
Foundation Engineering
Foundation Design & Recommendation
Subsoil Investigation
Pile Load Calculations
Piling Installation Monitoring

Asphalt Services
Backscatter Density Tests
Extractions & Gradations
Marshall Limits
Bulk Specific Gravity
Cores for Thickness Determination
Asphalt Pavement Monitoring
Asphalt Assessment

Concrete Tests
Concrete Strength Testing
Slump Tests
Windsor Probe Testing
Schmidt Hammer Testing
Core Testing
Air Content
Concrete Unit Weight
Flexural Strength Testing

Environmental Engineering Services

Phase I Site Assessments
Site Inspections
Research of Property Records

Phase II Site Assessments
Phase I Follow up on Contaminated Sites
Installation of Monitoring Wells
Soil Borings
Soil and Ground Water Analysis

Lead Base Paint Surveys
Report and Analysis
Air Monitoring

Roof Testing & Inspection Services

TAS 105 Field Fastener Withdrawal Test
TAS 106 Tile Uplift Test
TAS 124 Bell Chamber / Bonded Pull Test
TAS 126 Moisture Survey
Windload Calculation
Drainage Calculations
Lightweight Concrete placement Inspection
Roof Assessment / Evaluation
Cap Sheet Inspection
Fastener Spacing Inspection
Tile/ Shingle/ Standing Seam Inspection
Base Sheet Installation Inspection
Insurance Mitigation
Retrofit Mitigation/ Certification
Roof Drainage Calculations

