

# PROJECT MANUAL

PREPARED FOR THE



***City of Keystone Heights***  
***Clay County, Florida***

FOR THE

## KEYSTONE HEIGHTS TRAIL HEAD BID DOCUMENTS

Prepared by

**Michael Baker**  
INTERNATIONAL

**Michael Baker Intl.**  
Baker Project No. 175439

**March 2020**



## **Bid Advertisement**

### **KEYSTONE HEIGHTS TRAIL HEAD**

***City of Keystone Heights, FL***

Sealed bids shall be received for the above-named project by **April 9th, 2020 at 10:00 am.** Sealed bid shall be delivered to City of Keystone Heights City Hall located at 555 S. Lawrence Blvd, Keystone Heights, FL 32656. Upon closing of the bid period, all bids shall be opened and reviewed for completeness.

#### ***Project Description***

This project is to construct a Trail Head facility within the City of Keystone Heights. The facility will consist of CMU Restroom (166 sf), a Covered Pavilion (600 sf), Potable Water service, Sanitary Lateral service, Electrical service, Pavement and curb removal, New Asphalt Parking, Concrete Sidewalk and Landscaping.

There will be a **Mandatory** Pre-Bid Conference held in the Conference Room at the Keystone Heights City Hall on **March 31st, 2020 at 10:00 am**

A Bid Bond in the amount of five percent (5%) of the base bid will be required to accompany bids. The City reserves the right to reject any or all bids and to waive irregularities in bidding. Participation in the Disadvantage Business Enterprises Program (DBE) is not required.

This project will be bid as a single contract. Bid prices may be held for up to 90 days. All bids must be submitted in accordance with Project Documents.

Contractor Selection will not be solely based on lowest bid. Other factors determining the final selection will be based on previous work history with the City of Keystone and performance of said work history.

Complete PDF sets of drawings and specifications will be provided via FTP download. An FTP link will be provided by emailing and requesting the Bid Package. Email your request to [geneva.toon@mbakerintl.com](mailto:geneva.toon@mbakerintl.com). Please provide your full Company Name, Address, Contact Name and Contact phone number.

Bidder Questions shall be sent in written email format to Geneva Toon (Project Coordinator) at [geneva.toon@mbakerintl.com](mailto:geneva.toon@mbakerintl.com) . The final day for bidder questions shall be Friday, March 20<sup>th</sup>, 2020 no later than 4:00pm.

## PROPOSAL

PROPOSAL: (Submit in Duplicate - Make Photocopies. Pages P-1 through P-10 must be completed and submitted in addition to the Bid Form and Bid Bond. Attach addenda acknowledgement sheets.)

DATE \_\_\_\_\_

BIDDER \_\_\_\_\_

CONTACT \_\_\_\_\_

ADDRESS \_\_\_\_\_

TELEPHONE \_\_\_\_\_

The undersigned, as Bidder, hereby declares that the only person or persons interested in this Proposal as Principal, or Principals, is or are named herein and that no person other than herein mentioned has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company or parties making a Proposal; and that it is in all respects fair and in good faith without collusion or fraud.

By submission of this proposal, the Bidder declares that they have visited the site of work to inform themselves about current site conditions, conditions that may affect work and progress of the project and has asked all pertinent questions relating thereto. The Bidder also states that they have reviewed all plans and documentation, reviewed and acknowledges addenda on the attached form, and has satisfied themselves with all work to be performed and can complete this work within the specified bid price and allotted construction time.

The Bidder agrees, if this Proposal is accepted, to contract with the **City of Keystone Heights** in the form of Contract attached, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation, labor and incidentals necessary to construct and complete within the time specified the work covered by this Proposal and other Contract Documents. Bidder also agrees and to furnish any prescribed Performance and Payment Bonds each for not less than the Total Contract Price, to furnish the required evidence of the specified insurance, and list of subcontractors.

The Bidder further agrees not to withdraw this Proposal for a period of **Ninety (90)** days after the time set for opening of Proposals.

**PROPOSAL: (Continued)**

The Bidder agrees to commence work under this Contract on the effective date established in the "Notice to Proceed" and to complete the project within **FORTY-FIVE (45)** calendar days or pay liquidated in the amount of **\$1,000 per day**.

Prior to issuance of the Notice to Proceed, a 30-calendar-day period will be allowed for procurement of material and equipment. This procurement period shall begin on the date of delivery of the executed contract to the Contractor. No construction work shall be performed during the procurement period. The procurement period may be shortened at the request of the Contractor, in the event that he is able to obtain the materials and equipment in less time.

The aforementioned construction period shall include the time required to perform all work and to complete all punch list work. The construction period already includes additional time for weather related delays and no additional time shall be granted unless extenuating circumstances outside of normal weather patterns occurs. In that case, the Engineer shall determine a reasonable time extension and a letter of extension will be issued. The City of Keystone Heights reserves the right to assess liquidated damages for all work days beyond the project duration outlined above.

It shall be understood that the Total Bid Price, which is based on the estimated quantities and the unit prices bid, will determine the Contract Amount; however payment to the Contractor will be based on the actual quantities of items in-place and accepted in accordance with the General Requirements and the payment provisions in the Plans and Specifications.

The Bidder agrees to accept as full compensation for each Bid Item the prices listed in the Bid Form.

**PROPOSAL: (Continued)**

**ACKNOWLEDGMENT OF ADDENDA**

I hereby acknowledge the receipt of the following addenda issued during the bidding period:

Addendum No. 1 dated \_\_\_\_\_ Signature \_\_\_\_\_

Addendum No. 2 dated \_\_\_\_\_ Signature \_\_\_\_\_

Addendum No. 3 dated \_\_\_\_\_ Signature \_\_\_\_\_

Addendum No. 4 dated \_\_\_\_\_ Signature \_\_\_\_\_

Addendum No. 5 dated \_\_\_\_\_ Signature \_\_\_\_\_

For each addendum, I have verified that all of the numbered pages were received and are legible, and that all of the referenced plan sheets were received in good condition.

**PROPOSAL: (Continued)**

**PROPOSED SUBCONTRACTORS**

Name of Company	Work Item(s)	Contract Amount (\$)	DBE (y/n)

**Note:**

1. This list is for general information only. Listing of a particular subcontractor or supplier on this form shall not be construed to mean that the Contractor is contractually obligated to use that subcontractor or supplier. However, any changes shall be requested in writing, with cause for the proposed change clearly stated, and with the experience, qualifications, and other supporting data submitted to the satisfaction of the Owner.

**PROPOSAL: (Continued)**

**BIDDER'S EQUAL OPPORTUNITY REPORT STATEMENT  
AS REQUIRED AT 41 CFR 60-1.7(B)**

The Bidder (Proposer) shall complete the following statement by checking the appropriate boxes. Failure to complete these blanks may be grounds for rejection of bid.

1. The Bidder (Proposer) has (\_\_\_\_\_) has not (\_\_\_\_\_) developed and has on file at each establishment affirmative action programs pursuant to 41 CFR 60-1.40 and 41 CFR 60.2.

2. The Bidder (Proposer) has (\_\_\_\_\_) has not (\_\_\_\_\_) participated in any previous contract or subcontract subject to the equal opportunity clause prescribed by Executive Order 11246, as amended.

3. The Bidder (Proposer) has (\_\_\_\_\_) has not (\_\_\_\_\_) filed with the Joint Reporting Committee and annual compliance report on Standard Form 100 (EEO-I Report).

4. The Bidder (proposer) does (\_\_\_\_\_) does not (\_\_\_\_\_) employ fifty (50) or more employees.

\_\_\_\_\_  
(Name of Bidder)

Dated: \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_



**PROPOSAL: (Continued)**

**SWORN STATEMENT UNDER SECTION 287.133 (3)(A),  
FLORIDA STATUTES ON PUBLIC ENTITY CRIMES**

**THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.**

1. This sworn statement is submitted with Bid, for **City of Keystone Heights Trail Head**, City of Keystone Heights, Florida.
2. This sworn statement is submitted by \_\_\_\_\_  
(name of entity submitting sworn statement) whose business address is \_\_\_\_\_, and (if applicable) its Federal Employer Identification Number (FEIN) is \_\_\_\_\_.
3. My name is \_\_\_\_\_ and my relationship to the entity named above is \_\_\_\_\_.
4. I understand that a "public entity crime" as defined in Paragraph 287.133 (1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133 (1)(b) Florida Statutes means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
6. I understand that an "affiliate" as defined in Paragraph 287.133 (1)(a), Florida Statutes means:
  - a. A predecessor or successor of a person convicted of a public entity crime;  
or
  - b. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under

**PROPOSAL: (Continued)**

an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133 (l)(e), FLORIDA STATUTES, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business, with a public entity.

The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of any entity.

Based on information and belief; the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

\_\_\_\_Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

\_\_\_\_The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND, (please indicate which additional statement applies.)

\_\_\_\_There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

\_\_\_\_The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

\_\_\_\_The person or affiliate has not been placed on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

**PROPOSAL: (Continued)**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

\_\_\_\_\_  
(Name of individual signing)

who, after first being sworn by me, affixed his/her signature in the space provided above on the \_\_\_\_\_ day of \_\_\_\_\_ 2016.

\_\_\_\_\_  
NOTARY PUBLIC  
My Commission expires:

**PROPOSAL: (Continued)**

**SIGNATURE PAGE FOR SOLE PROPRIETOR OR PARTNERSHIP**

The name and business address of the bidder is:

\_\_\_\_\_  
(Name of Sole Proprietor or Partnership)

\_\_\_\_\_  
(Business Address)

This proposal is submitted by:

\_\_\_\_\_  
(Signature)                      (Date)                      (Witness)

\_\_\_\_\_  
(Name - Print or Type)

\_\_\_\_\_  
Title

The full names and home addresses of other persons who are interested in the foregoing proposal, as principals, are as follows:

NAME	ADDRESS
_____	_____
_____	_____
_____	_____
_____	_____

**A cashier's check or Bid Bond in the amount of 5% of the Bid Price is attached.**

**PROPOSAL: (Continued)**

**SIGNATURE PAGE FOR CORPORATION**

The name and address of the bidder is:

\_\_\_\_\_  
(Name of Corporation)

\_\_\_\_\_  
(Address)

The officers of the corporation are as follows:

NAME	ADDRESS
President _____	_____
Vice President. _____	_____
Secretary _____	_____
Treasurer _____	_____

This proposal is submitted by the following officer, who is fully authorized to bind the Corporation by submitting a proposal:

\_\_\_\_\_  
(Signature) (Date) Attest: \_\_\_\_\_  
(Secretary)

\_\_\_\_\_  
(Name - Print or Type) (CORPORATE SEAL)

\_\_\_\_\_  
Corporate Title of State State in which Chartered: \_\_\_\_\_

Date of Registry with Florida  
if Non-Florida Corporation: \_\_\_\_\_

A cashier's check or Bid Bond in the amount of **5%** of the Bid Price is attached.

**BID FORM**

CLIENT: CITY OF KEYSTONE HEIGHTS

02/24/20

PROJECT: KEYSTONE HEIGHTS TRAIL HEAD

BAKER PROJECT No: 175439

<b>BASE BID</b>						
Item No.	Spec. No.	Item Description	Quantity	Unit	Unit Price	Amount
1	FDOT 101	Mobilization	1	LS		
2	FDOT 102	Maintenance of Traffic	1	LS		
3	FDOT 104	Prevention Control and Abatement of Erosion and Water Pollution	1	LS		
4	FDOT 110	Tree Removal	8	EA		
5	FDOT 110	Remove Asphalt Layer and Rework Limerock	225	SY		
6	FDOT 110	General Site Clearing and Preparation	1	LS		
7	C-102	Relocate Existing Concrete Light Pole	1	EA		
8	FDOT 110	Sawcut and Remove Existing 18" Curb and Gutter	155	LF		
9	FDOT 120	Excavation and Embankment	100	CY		
10	FDOT 160	Stabilized subgrade	275	SY		
11	FDOT 230	6" Limerock Base	275	SY		
12	FDOT 334	Superpave Asphaltic Concrete, SP 9.5 Fine Mix (Includes Tack coat and Leveling)	54	TN		
13	FDOT 520	18" Concrete Curb and Gutter	140	LF		
14	FDOT 522	4" Thick Concrete Sidewalk	25	SY		
15	FDOT 522	4" Thick Concrete Sidewalk with Thickened Edge	65	SY		
16	FDOT 711	Stripping and Signage	1	LS		
17	FDOT 570	ADA Dectectable Wanning	30	SF		
18	FDOT 570	Performance Turf - Sod	300	SY		
19		Covered Pavilion (630 sf Foundation and Roof all Inclusive)	1	LS		
20		Restroom Building (185 sf CMU Bldg, Roof, Foundation, fixtures, all Inclusive)	1	LS		
21	E-100	Site Electrical Connection	1	LS		
22	C-400	CCUA Sanitary Sewer Connection	1	LS		
23	C-400	CCUA Potable Water Connection	1	LS		
24	L-01 & L-02	Landscaping	1	LS		
				<b>TOTAL BASE BID:</b>		

CONTRACT BETWEEN  
THE CITY OF KEYSTONE HEIGHTS  
AND

---

(Contractor)

FOR CONTRACT:

**CITY OF KEYSTONE HEIGHTS TRAIL HEAD**

PROJECT NUMBER 175439

This CONTRACT is made and entered into on the \_\_\_\_\_ (“Effective Date”), by and between the CITY of Keystone Heights, a public body politic and corporate and organized and existing under the Laws of Florida (CITY), whose address is: CITY of Keystone Heights, City Hall 555 S. Lawrence Blvd., Keystone Heights, Florida, 32656, and:

Company Name: \_\_\_\_\_ (“CONTRACTOR”)

Legal Address: \_\_\_\_\_

Phone: \_\_\_\_\_

, who hereby agree as follows:

WITNESSETH

**WHEREAS**, the Contractor has agreed to perform all work as set forth in the Contract Documents; and

**WHEREAS**, the City Commission of the City of Keystone Heights has determined that there exists the need for such work within the City of Keystone Heights; and

**NOW THEREFORE**, in consideration of the mutual benefits to the CITY and CONTRACTOR, the following covenants and Contracts are set forth to which the parties hereto agree as follows:

1. The Scope of Work is specifically identified in the Contract Documents, but, in general, consists of the following:
  - A. Mobilization, Maintenance of Traffic, Minor demo and clearing, milling and limerock re-working, new asphalt pavement parking, asphalt overlay, concrete sidewalk. Construct new covered pavilion and CMU restroom and associated foundations. Utility construction will include potable water service, sanitary lateral service, site electrical and electrical service to restroom.

- B. Procure and install all work identified above as shown in the plans and specifications. All construction permits and fees associated with initiating and completing the project is considered inclusive to this contract.
  - C. Not conduct work or store vehicles and equipment within the FDOT Right of Way.
  - D. The total CONTRACT scope of and any other amounts of work directed on the plans to be completed by the Contractor shall not exceed \$\_\_\_\_\_ (PRICE).
2. The CONTRACTOR agrees, for the consideration herein in the amount of Not To Exceed \$ **(Price)**, and at its own cost and expense, to do all the work and furnish all of the materials, equipment, supplies and labor necessary to carry out this CONTRACT. The Work shall be completed in accordance with the specifications as contained in the plans (City of Keystone Heights Invitation to Bid issued in February 2020). The CITY shall have at all time full opportunity to inspect the materials to be furnished and the Work to be performed under this CONTRACT. Such inspection shall not relieve the CONTRACTOR for the responsibility for proper execution of the Work.
3. The CONTRACTOR shall maintain such insurance as specified in Addendum 1 to protect the CITY from any or all claims for property damage, personal injury, and bodily injury including death, which may arise from operations under this CONTRACT. Certificates of such insurance shall be provided to the CITY prior to the CITY issuing the Notice to Proceed to the CONTRACTOR and shall also be subject to its approval for adequacy of protection. The CITY shall be named as an additional insured under all policies.
4. The CITY reserves the unilateral right to terminate this CONTRACT under the following circumstances:
- A. Termination for Convenience - Should the CITY decide to terminate this CONTRACT solely for its convenience, the CITY will notify the CONTRACTOR in writing stating such. The CITY will be obligated to pay the CONTRACTOR only for the Work performed until the effective date of the notice including all materials consumed in the execution of the Work that cannot be returned for credit of future use by the CONTRACTOR. CONTRACTOR shall provide documentation to the satisfaction of the CITY of all claims to be paid due to this termination. The CITY shall not pay the CONTRACTOR for unearned profit resulting from termination of the CONTRACT.
  - B. Termination for Cause – Should the CITY determine that the Work is insufficient due to quality issues, failure of the CONTRACTOR to meet schedule commitments, inability to conduct the Work in a professional, workmanlike manner or fail to meet any of the conditions of this CONTRACT, the CITY has the unilateral right, subsequent to the CONTRACTOR’S reasonable attempts to remedy the identified insufficiencies, to terminate this CONTRACT. The CITY shall notify the CONTRACTOR in writing of such termination. The CITY shall pay the CONTRACTOR for all work completed and



accepted up until the time of termination. It shall be the CITY's sole option to determine whether pavement will be made for materials supplied, but unused for the Work. The CITY shall not pay the CONTRACTOR for unearned profit resulting from termination of the CONTRACT.

5. Except for expenses or liabilities arising from the negligence of the CITY, the CONTRACTOR hereby expressly agrees to indemnify and hold the CITY harmless against any and all expenses and liabilities arising out of the performance or default of this CONTRACT as follows: CONTRACTOR shall indemnify and hold harmless, to the maximum extent permitted by law, CITY and its officers, agents, employees, from and against any and all liability, damages, losses, (whether in contract or in tort, including personal injury, accidental death or property damage, and regardless, of whether the allegations are false, fraudulent or groundless), and costs (including reasonable attorney's fees, litigation, arbitration, mediation, appeal expenses) which in whole or in part are caused by the negligence, recklessness or intentional wrongful misconduct of the CONTRACTOR and persons employed by or utilized by the CONTRACTOR in CONTRACTOR'S performance of this CONTRACT.
6. The CONTRACTOR agrees and understands that the CONTRACTOR will abide by all Federal, State and Local rules and regulations of all authorities having jurisdiction regarding any aspect of the Work. Florida law shall govern all questions concerning the execution and implementation of this CONTRACT.
7. The CONTRACTOR agrees to commence work under this CONTRACT within ten (10) days from the date set forth in the "Notice to Proceed" (NTP) issued by the CITY, to comply with all time schedules, and to fully complete the work in accordance with the following:
  - A. Work shall be completed within thirty (30) calendar days from commencement of the Work by the CONTRACTOR
8. The CONTRACTOR agrees to the following as a part of performing the Scope of Work:
  - A. Attend meetings with the CITY, as needed
  - B. Provide a Work schedule to the CITY at least 5 calendar days in advance of the work.
  - C. To work within hours that are acceptable to the CITY.
9. Where any work is performed by the CONTRACTOR'S own forces or by subcontractors under contract with the CONTRACTOR, the CONTRACTOR shall warrant that all materials and equipment included in such Work shall be new except where indicated otherwise in CONTRACT DOCUMENTS, and that such Work shall be of good quality, free from improper workmanship for a period of two (2) years and defective materials in conformance with the specifications and/or Manufacturer's warranty period, whichever is greater, from the date of final acceptance by the CITY. The CONTRACTOR further agrees to correct all work found by the CITY to be defective in material or workmanship or not in conformance with the

specifications and such longer periods of time as may be set forth with respect to specific warranties contained in the CONTRACT DOCUMENTS. The CONTRACTOR shall collect and deliver to the CITY any specific written warranties given by others as required by the CONTRACT DOCUMENTS.

10. If the CONTRACTOR subcontracts any portion of this Work, the CONTRACTOR shall be fully responsible for the acts or omissions of the subcontractor and of those either directly or indirectly employed by the subcontractor, as the CONTRACTOR is for the acts and omissions of persons directly employed by the CONTRACTOR.
11. In consideration of the foregoing premises, the CITY agrees to pay the CONTRACTOR for all items of work performed and material furnished at the unit prices and under terms of the CONTRACT DOCUMENTS. The CITY will pay the CONTRACTOR, when invoiced, on a net 30 basis and will retain 10% of the invoiced payment. The retention will be paid in full to the CONTRACTOR upon the satisfaction by the CONTRACTOR of the following:
  - A. Obtaining the CITY's final acceptance of the Work
  - B. The complete delivery of all warranty documentation
  - C. The delivery of a CONTRACTOR'S Affidavit (Release of Lien)
12. All notices required to be given to the CITY or CONTRACTOR hereunder shall be sent by (a) registered or certified mail, whereupon notice shall be deemed to have been given on the date of acceptance; or (b) delivery (i.e., courier or other hand delivery), overnight delivery, or facsimile transmission, whereupon notice shall be deemed to have been given on the day of delivery. If the day of notice is a Saturday, Sunday, or legal holiday, notice shall be deemed to have been given on the first calendar day thereafter which is not a Saturday, Sunday, or legal holiday. All notices required to be given to the CITY shall be made to the CITY at:

The CITY of Keystone Heights  
Attention: Scott Kornegay  
City Hall  
555 S. Lawrence Blvd  
Keystone Heights, Florida 32656  
Phone: (352) 473-4807  
Fax: (352) 473-5101

or to such other address or facsimile number as the CITY may direct from time to time by written notice forwarded to the CONTRACTOR as provided above. All notices required to be given to CONTRACTOR hereunder shall be sent to CONTRACT address in Jacksonville, Florida, or to such address or facsimile number as the CONTRACTOR may direct from time to time by written notice forwarded to the

CITY as provided above. E-mail transmittal of notices can be made but a formal version of the notice shall also be made as outlined above.

13. Miscellaneous.

i) **Entire Agreement.** This agreement represents the entire agreement. No prior discussions or negotiations shall be enforceable, unless included in this agreement.

ii) **Assignment; Amendment or Modification.** This agreement is not assignable. Any modification to this agreement shall be made in writing, executed by both parties.

IN WITNESS WHEREOF, the CITY and the CONTRACTOR have caused this instrument to be signed and witnessed by their respective dully authorized officials, and shall take effect as of the day and year first above written:

As To  
CITY of Keystone Heights

Attest: \_\_\_\_\_

By: \_\_\_\_\_

Witnesses:  
\_\_\_\_\_  
\_\_\_\_\_

As To CONTRACTOR  
By: \_\_\_\_\_  
*name*  
*title*

Approved as to form, legality, and execution:

By: \_\_\_\_\_  
City Attorney, Keystone Heights, FL

**SECTION 01000  
MOBILIZATION**

**DESCRIPTION**

- A. The work covered by this section consists of preparatory work and operations, including but not limited to those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; for providing the items required, including but not limited to:
  - 1. The establishment of all temporary offices, buildings, fencing, staging areas, haul routes, and other facilities necessary for the work on the project;
  - 2. Performance bond, labor and materials bond;
  - 3. Insurance; and all other work and operations which must be performed, or costs incurred prior to beginning work on the various items on the project site.
  - 4. Quality Control testing.
  - 5. Restoration of paved surfaces used for haul operations.
  - 6. Seeding and sodding of laydown and material storage areas, stockpile areas, equipment storage areas, and areas outside of the construction limits disturbed by contractor's activity.
  
- B. This item also includes all work outside the limits of construction that is necessary to demobilize and restore areas disturbed by the Contractor to their original condition including, but not limited to, pavement rehabilitation, grading, seeding, mulching, cleaning, and disposal.

**PAYMENT:**

- C. All work covered by this section will be paid for at the contract lump sum price for "Mobilization".
  
- D. Partial payments for the item of "Mobilization" will be paid as follows:

Percent of Contract Amount Earned	Allowable Percent of the Lump Sum Price for the Item
0	0
5	25
10	50
25	75
50	100

- E. Where the amount bid for the item of "Mobilization" exceeds 7.5% or the original bid amount, the difference (7.5%) will not be paid until the project is complete and the Engineer and Owner have issued a statement of final acceptance. All such payments will be made less the retainage provided for in the Contract.
  
- F. C Payment will be made under: Mobilization – per Lump Sum

**END OF SECTION 01000**

**ITEM P-100 FDOT STANDARD INDEX AND SPECIFICATIONS**

**PART 1 - GENERAL**

**1.1 FDOT SPECIFICATIONS**

A. The construction details which will govern the prosecution of the work as set out in the proposal and/or shown on the plans shall conform in their entirety to Divisions I, II and III of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction dated 2019 including all FDOT Supplements and as modified hereinafter.

B. The construction details contained in the Divisions which are not required to accomplish the work set out in proposal and/or shown on the plans will have no application to these specifications.

C. These standard specifications may be obtained from:

Florida Department of Transportation

Specifications are available online at -

<https://www.fdot.gov/programmanagement/Implemented/SpecBooks/January2019/JANUARY2019BK.shtm>

D. A copy is on file and may be inspected at the Office of the Engineer. The Contractor shall have at least one set of the standard specifications available on the project.

Specifications pertinent to this project from the Standard Specifications for Road and Bridge Construction include, but are not limited to:

<b>FDOT Section</b>	<b>Description</b>
<b>GENERAL REQUIREMENTS AND COVENANTS</b>	
1	Definitions and Terms
2	Proposal Requirements and Conditions
3	Award and Execution of Contract
4	Scope of the Work
5	Control of the Work
6	Control of the Materials
7	Legal Requirements and Responsibility to the Public
8	Prosecution and Progress
9	Measurement and Payment
<b>GENERAL CONSTRUCTION OPERATIONS</b>	
101	Mobilization
102	Maintenance of Traffic
104	Prevention, Control, and Abatement of Erosion and Water Pollution

<b>FDOT Section</b>	<b>Description</b>
105	Contractor Quality Control General Requirements
108	Monitor Existing Structures
<b>CLEARING CONSTRUCTION SITE</b>	
110	Clearing and Grubbing
<b>EARTHWORK AND RELATED OPERATIONS</b>	
120	Excavation and Embankment
160	Stabilizing
<b>BASE COURSES</b>	
210	Reworking Limerock Base
230	Limerock Stabilized Base
<b>BITUMINOUS TREATMENTS, SURFACE COURSES AND CONCRETE PAVEMENT</b>	
300	Prime and Tack Coats
327	Milling of Existing Asphalt Pavement
334	Superpave Asphalt Concrete
338	Value Added Asphalt Pavement
<b>INCIDENTAL CONSTRUCTION</b>	
520	Concrete Gutter, Curb Elements and Traffic Separator
522	Concrete Sidewalks & Driveways
527	Detectable Warnings on Walking Surfaces
570	Performance Turf
<b>SIGNING, PAVEMENT MARKING, AND LIGHTING</b>	
700	Highway Signing
711	Thermoplastic Pavement Markings

- E. Specification sections not specified above but cross-referenced in the above individual sections are also included herewith and made a part of these Contract Documents.

## 1.2 FDOT DESIGN STANDARDS

- A. Design Standards as referenced shall be the Florida Department of Transportation 2018 Design Standards ("Standard Index").
- B. These standard specifications may be obtained from:
- Florida Department of Transportation  
Map and Publication Sales  
Mail Station 12, Room Number 27  
605 Suwannee Street  
Tallahassee, Florida, 32399-0450  
(904) 488-9220.

Design Standards are available online at -  
<https://www.fdot.gov/roadway/DS/18/STDs.shtm>

1.3 CONFLICT RESOLUTION

- A. In the event of any conflict(s) between the Contract Documents and the FDOT Standard Specifications, the precedence in resolving such conflict(s) shall be as follows:
  - 1. Information in the Plans and Project Manual shall govern over FDOT Specifications.
  - 2. Greater Quantities shall govern over lesser.
  - 3. Higher quality and/or more stringent requirements as adjudged by the Engineer shall govern over lesser.
- B. Where FDOT Specifications refer to the "Engineer", "Engineer of Tests", or "Division of Tests", it shall be understood to mean the Engineer of the Owner as Stated in the CONTRACT.
- C. Where FDOT Specifications refer to "Department" it shall be understood to mean Engineer or Owner as stated in the contract.

PART 2 - MODIFICATIONS TO FDOT STANDARD SPECIFICATIONS

- 2.1 Where details, call outs, in plans or on Bid form differ from FDOT Specifications. The contractor shall submit in writing a Request For Information (RFI) for a determination to be made by ENGINEER.

PART 3 - TESTING

- 3.1 For FDOT Specification 334, Superpave Asphalt Concrete, LOT sizes shall be based on the day's production.
- 3.2 Leveling courses required to correct broken sections of milled surface pavement, shall not be subject to Quality Control or Quality Assurance verification testing.
- 3.3 Pay factors in excess of 1.00 shall not apply.

PART 4 - EXECUTION

- 4.1 MEASUREMENT AND PAYMENT:
  - A. Method of measurement and basis of payment for material and work performed in conformance with the above specifications shall be as indicated on the BID FORM at the unit indicated on the BID FORM. The costs bid shall be full compensation for labor,

equipment, materials and incidentals necessary to complete the work in conformance with the Plans and Specification to the satisfaction of the Owner. Incidentals include, but are not limited to, items which have specific DOT bid item numbers in the FDOT Standard Specifications but are not included in the Bid Schedule.

**END OF ITEM P-100**

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## Cal -Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

**LABORATORIES**

P.O. Box 1625 • Lake City, FL 32056  
Tel. (386) 755-3633 • Fax (386) 752-5456

450 SR 13N, Suite 106-308, Jacksonville, FL 32259  
Tel. (904) 381-8901 • Fax (904) 381-8902

November 14, 2019

Mr. Donald N. Bowles  
Michael Baker International, Inc.  
12740 Gran Bay Parkway, Suite 2110  
Jacksonville, Florida 32258

**RE: Geotechnical Engineering Exploration Report  
Keystone Heights Trailhead  
Keystone Heights, Florida  
Cal-Tech Testing, Inc. Project No. 19-00684-02**

Dear Mr. Donald N. Bowles:

This report presents the results of our geotechnical engineering exploration for the proposed Keystone Heights Trailhead development in Keystone Heights, Florida. Our geotechnical engineering exploration was performed in accordance with our proposal dated August 14, 2019 and your subsequent authorization.

The purposes of our geotechnical engineering exploration were to obtain subsurface soil information and perform analyzes and evaluations to provide recommendations for the development's site preparation and structures' foundation support.

### **SITE AND PROJECT INFORMATION**

Based on our observations during our field exploration and information you provided to us, the site consists of an approximately 0.43-acre land-parcel adjacent to existing one-story commercial building structures to the northwest and south east side. The land-parcel is covered with few trees on both sides of an existing asphalt driveway and grass.

Information in the layout drawing you provided to us indicates the project consists of the development of a 40 ft. by 20 ft., one-story restroom-pavilion structure with parking lots at both sides of the existing asphalt driveway and a playground.

### **FIELD INVESTIGATION**

Our field exploration was performed on November 13, 2019 and consisted of performing Standard Penetration Test (SPT) borings to depths of 6 ft. and 15 ft. within the proposed building structure (B1) and parking lots (B2 and B3). The location of the borings were laid out by our field crew utilizing Global Positioning System (GPS) coordinates approximately obtained by

superposition of the provided layout drawing on a web-available mapping system. Refer to the enclosed Boring Location Plan.

We contacted Sunshine State One Call of Florida whom marked out existing water main known underground lines prior to the beginning of our field investigation.

The sampling and penetration procedures of the SPT borings were in general accordance with ASTM D 1586 Penetration Test and Split-Barrel Sampling of Soil, using a power rotary drill rig. The standard penetration tests were performed continuously to a depth of 10 ft. and at 5 ft. intervals to the boring termination depths, thereafter, by driving a standard 1<sup>3</sup>/<sub>8</sub> inch I.D. and 2 inches O.D. split-spoon sampler with a manual 140-lb hammer falling 30 inches. The number of hammer blows required to drive the sampler a total of 24 inches (upper 10 ft.) and 18 inches, in 6-inch increments, were recorded in the boring logs. The penetration resistance, N-values, is the summation of the second and third 6-inch increments. The penetration resistance is used as an index to derive soil parameters from various empirical correlations. At completion, each bore hole was backfill with soil cuttings. Detailed boring logs are enclosed to this report.

### **Laboratory Soil Testing**

All soil samples were delivered to our soil laboratory for review by our geotechnical engineer and additional testing, if required, for classification in general accordance with the Unified Soil Classification System (ASTM D-2487).

## **SUBSURFACE SOIL CONDITIONS**

### **GENERALIZED SOIL PROFILE**

A generalized subsurface soil profile inferred from the results of our field exploration consists of a SAND stratum to the termination depth of the borings at 6 ft. and 15 ft. SAND with slight silt content (i.e. SAND with silt stratum) was encountered at the bottom of boring location B1.

The soil penetration resistance N-values revealed a predominantly Very Loose (i.e.  $N < 4$ ) relative density in the SAND stratum to a depth of 13 ft. and Medium Dense (i.e.  $11 < N < 30$ ) in the SAND with silt stratum.

Detailed subsurface soil conditions including strata soil classification and N-values are shown in the boring logs enclosed to this report.

### **Groundwater**

No groundwater was encountered first during performance of the borings. The United States Department of Agriculture (USDA), National Resources Conservation Service (NRCS) indicates the groundwater at a depth in excess of 80 inches for the site soil map.

## **GEOTECHNICAL EVALUATIONS & RECOMMENDATIONS**

### **RESTROOM-PAVILION STRUCTURE**

The encountered subsurface soil conditions are suitable to support the proposed structure on a system of shallow foundations resting on the existing soils or approved fill material, if required to establish the finish floor elevations, design with a safe soil contact pressure of 1,500 lb/ft<sup>2</sup>, allowable sliding resistance coefficient of 0.35 and settlements within one (1) inch.

Complete removal of trees, roots, stripping of topsoil and proofrolling should be performed prior to excavation of the foundations.

After excavation, the upper 12 inches of the footing subgrades should be compacted to at least 95% of the material's Maximum Dry Density (ASTM D-1557).

Approved structural fill should consist of granular soils with particles not larger than 3 inches and maximum 12% of fines (i.e. 200 sieve passing).

#### **Ground Floor Slabs**

After proofrolling, the proposed building structure ground floor slabs could be designed for support on the existing or approved structural fill soils with the subgrade upper 12 inches compacted to at least 95% of the material's Maximum Dry Density (ASTM D1557).

#### **PARKING LOT PAVEMENT**

The proposed driveway and parking lot pavement may consist of a light-duty section with a 12-in stabilized (LBR 30) subgrade, 4-inch limerock (LBR 100) base course and a 1 1/4-inch asphalt surface course.

#### **LIMITATIONS**

Our recommendations on this report are based on data obtained at the indicated depths and locations. If different conditions are encountered during construction they should be immediately informed to us for our evaluation of the recommendation provided in this report.

#### **CLOSURE**

It has been a pleasure working with you and we look forward to continuing our work on this and future projects.

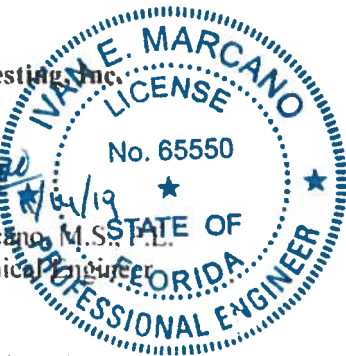
Sincerely,

Cal-Tech Testing, Inc.

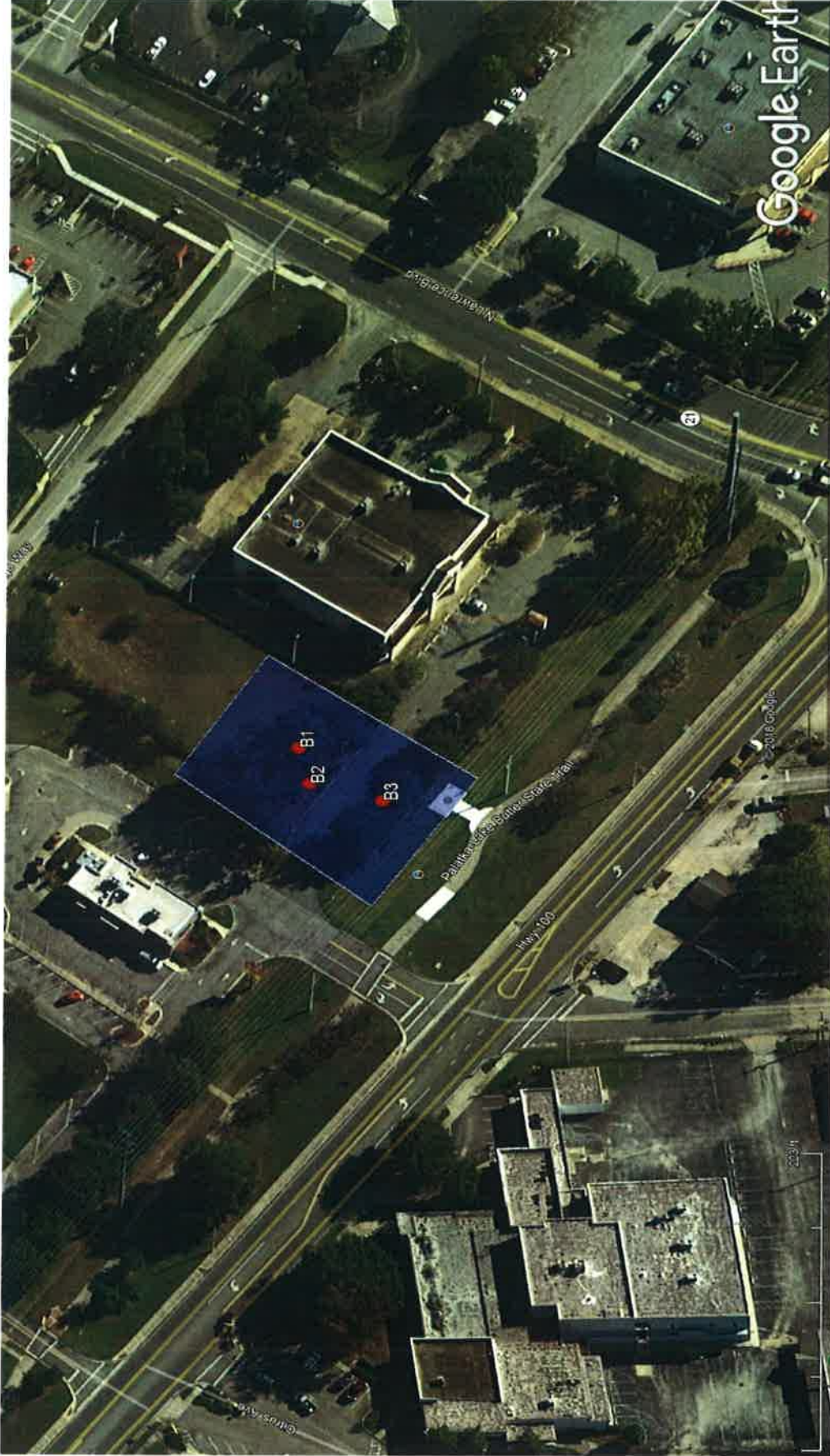
Ivan E. Marciano, M.S., P.E.  
Sr. Geotechnical Engineer

Enclosures:

Boring Location Plan  
Boring Logs



Brian McCollum, E.I.  
Project Manager



**CAL-TECH TESTING, INC.**

**P.O. BOX 1625**

**Lake City, Florida 32056-1625**

**Phone: (386) 755-3633**

**Fax: (386) 752-5456**

**BORING LOCATION PLAN**

**Keystone Heights Trail Head**

**Keystone, Florida**



Cal-Tech Testing, Inc.  
 3309 SR 247  
 Lake City, FL 32024  
 Telephone: 386-755-3633  
 Fax: 386-755-3633

# BORING NUMBER B1

**CLIENT** Michael Baker International, Inc. **PROJECT NAME** Keystone Heights Trail Head  
**PROJECT NUMBER** 19-00684-02 **PROJECT LOCATION** Keystone Heights Florida  
**DATE STARTED** 11/13/19 **COMPLETED** 11/13/19 **GROUND ELEVATION** 0 ft **HOLE SIZE** 3-in dia. x 15 ft. depth  
**DRILLING CONTRACTOR** Cal-Tech Testing, Inc. **GROUND WATER LEVELS:**  
**DRILLING METHOD** SPT **AT TIME OF DRILLING** --- Not encountered  
**LOGGED BY** E.J. **CHECKED BY** I.M. **AT END OF DRILLING** ---  
**NOTES** Elev. referred to ground surface **AFTER DRILLING** ---

GEO TECH BH COLUMNS - DATA ENTRY LATEST UPDATE: GDT - 11/14/19 10:24 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\KEYSTONE HEIGHTS TRAIL HEAD.GPJ

ELEV. (ft)	MATERIAL DESCRIPTION	SYMBOL LOG	DEPTH SCALE (ft)	SAMPLE DATA			REMARKS (DRILLING FLUID, DEPTH OF CASING, FLUID LOSS, DRILLING RESISTANCE, ETC.)	
				NUMBER	TYPE	RECOVERY (%) (ROD) %		BLOW COUNTS (N VALUE)
	(SP) Dark gray SAND		0	1	SS	83	1-2-2-2 (4)	Boring Location Coordinates N29°47'12.67" W82°01'54.91"  SS=Split Spoon sampler
	(SP) Yellowish brown SAND		2	2	SS	92	1-1-1-2 (2)	
-5			4	3	SS	88	1-1-2-2 (3)	
			6	4	SS	88	2-2-2-2 (4)	
-10			8	5	SS	88	2-3-4-5 (7)	
-15	(SP-SM) Yellowish brown and yellowish red SAND with silt		14	6	SS	78	9-12-14 (26)	

Bottom of borehole at 15.0 feet.



Cal-Tech Testing, Inc.  
 3309 SR 247  
 Lake City, FL 32024  
 Telephone: 386-755-3633  
 Fax: 386-755-3633

# BORING NUMBER B2

<b>CLIENT</b> <u>Michael Baker International, Inc.</u>	<b>PROJECT NAME</b> <u>Keystone Heights Trail Head</u>
<b>PROJECT NUMBER</b> <u>19-00684-02</u>	<b>PROJECT LOCATION</b> <u>Keystone Heights Florida</u>
<b>DATE STARTED</b> <u>11/13/19</u> <b>COMPLETED</b> <u>11/13/19</u>	<b>GROUND ELEVATION</b> <u>0 ft</u> <b>HOLE SIZE</b> <u>3-in dia. x 6 ft. depth</u>
<b>DRILLING CONTRACTOR</b> <u>Cal-Tech Testing, Inc.</u>	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> <u>SPT</u>	<b>AT TIME OF DRILLING</b> <u>--- Not encountered</u>
<b>LOGGED BY</b> <u>E.J.</u> <b>CHECKED BY</b> <u>I.M.</u>	<b>AT END OF DRILLING</b> <u>---</u>
<b>NOTES</b> <u>Elev. referred to ground surface</u>	<b>AFTER DRILLING</b> <u>---</u>

ELEV. (ft)	MATERIAL DESCRIPTION	SYMBOL LOG	DEPTH SCALE (ft)	SAMPLE DATA				REMARKS  (DRILLING FLUID, DEPTH OF CASING, FLUID LOSS, DRILLING RESISTANCE, ETC.)
				NUMBER	TYPE	RECOVERY (%) (ROD) %	BLOW COUNTS (N VALUE)	
	(SP) Dark gray SAND		1					Boring Location Coordinates N29°47'12.60" W82°01'55.24"  SS=Split Spoon sampler
	(SP) Yellowish brown SAND		2					
-5			4	2	SS	83	1-1-1-1 (2)	
			6	3	SS	83	1-2-2-2 (4)	
	Bottom of borehole at 6.0 feet.							

GEOTECH BH COLUMNS - DATA ENTRY LATEST UPDATE: GDT - 11/14/19 10:24 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\KEYSTONE HEIGHTS TRAIL HEAD.GPJ



Cal-Tech Testing, Inc.  
 3309 SR 247  
 Lake City, FL 32024  
 Telephone: 386-755-3633  
 Fax: 386-755-3633

# BORING NUMBER B3

<b>CLIENT</b> <u>Michael Baker International, Inc.</u>	<b>PROJECT NAME</b> <u>Keystone Heights Trail Head</u>
<b>PROJECT NUMBER</b> <u>19-00684-02</u>	<b>PROJECT LOCATION</b> <u>Keystone Heights Florida</u>
<b>DATE STARTED</b> <u>11/13/19</u> <b>COMPLETED</b> <u>11/13/19</u>	<b>GROUND ELEVATION</b> <u>0 ft</u> <b>HOLE SIZE</b> <u>3-in dia. x 6 ft. depth</u>
<b>DRILLING CONTRACTOR</b> <u>Cal-Tech Testing, Inc.</u>	<b>GROUND WATER LEVELS:</b>
<b>DRILLING METHOD</b> <u>SPT</u>	<b>AT TIME OF DRILLING</b> <u>--- Not encountered</u>
<b>LOGGED BY</b> <u>E.J.</u> <b>CHECKED BY</b> <u>I.M.</u>	<b>AT END OF DRILLING</b> <u>---</u>
<b>NOTES</b> <u>Elev. referred to ground surface</u>	<b>AFTER DRILLING</b> <u>---</u>

ELEV. (ft)	MATERIAL DESCRIPTION	SYMBOL LOG	DEPTH SCALE (ft)	SAMPLE DATA			REMARKS  (DRILLING FLUID, DEPTH OF CASING, FLUID LOSS, DRILLING RESISTANCE, ETC.)
				NUMBER	TYPE	RECOVERY (%) (ROD) %	
	(SP) Dark yellowish brown <b>SAND</b>		1	SS	92	2-10-5-5 (15)	Boring Location Coordinates N29°47'12.12" W82°01'55.39"  SS=Split Spoon sampler
	(SP) Yellowish brown <b>SAND</b>		2	SS	83	3-3-3-2 (6)	
-5			3	SS	75	1-2-2-1 (4)	
	Bottom of borehole at 6.0 feet.		6				

GEOTECH BH COLUMNS - DATA ENTRY LATEST UPDATE: GDT - 11/14/19 10:24 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\KEYSTONE HEIGHTS TRAIL HEAD.GPJ