



AIA® Document A141® – 2014

Standard Form of Agreement Between Owner and Design-Builder

AGREEMENT No. 13979 made as of the ___ day of _____ in the year 2024
(In words, indicate day, month and year.)

BETWEEN the Owner:
(Name, legal status, address and other information)
Alachua County Board of County Commissioners
12 SE 1st Street
3rd Floor
Gainesville, FL 32601
Telephone Number: (352) 337-6205

and the Design-Builder:
(Name, legal status, address and other information)
FINFROCK Construction, LLC, Limited Liability Company
2400 Apopka Boulevard
Apopka, FL 32703
Telephone Number: (407) 293-4000

for the following Project:
(Name, location and detailed description)
Alachua County Judicial Justice Center Parking Structure
220 South Main Street, Gainesville, Florida 32601
Parking Structure on the Alachua County Judicial Justice Center site, south of the
criminal courthouse.
220 South Main Street, Gainesville, Florida

The Owner and Design-Builder agree as follows.

ADDITIONS AND DELETIONS:

The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Consultation with an attorney is also encouraged with respect to professional licensing requirements in the jurisdiction where the Project is located.

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TABLE OF ARTICLES

- 1 GENERAL PROVISIONS
- 2 COMPENSATION AND PROGRESS PAYMENTS
- 3 GENERAL REQUIREMENTS OF THE WORK OF THE DESIGN-BUILD CONTRACT
- 4 WORK PRIOR TO EXECUTION OF THE DESIGN-BUILD AMENDMENT
- 5 WORK FOLLOWING EXECUTION OF THE DESIGN-BUILD AMENDMENT
- 6 CHANGES IN THE WORK
- 7 OWNER'S RESPONSIBILITIES
- 8 TIME
- 9 PAYMENT APPLICATIONS AND PROJECT COMPLETION
- 10 PROTECTION OF PERSONS AND PROPERTY
- 11 UNCOVERING AND CORRECTION OF WORK
- 12 COPYRIGHTS AND LICENSES
- 13 TERMINATION OR SUSPENSION
- 14 CLAIMS AND DISPUTE RESOLUTION
- 15 MISCELLANEOUS PROVISIONS
- 16 SCOPE OF THE AGREEMENT

| TABLE OF EXHIBITS FOUND IN SECTION 16.1 HEREINBELOW

(Paragraph Deleted)

ARTICLE 1

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GENERAL PROVISIONS

(Paragraphs Deleted)

§ 1.1 Owner's Criteria

This Agreement is based on the Owner's Criteria set forth in this Section 1.1.
(Note the disposition for the following items by inserting the requested information or a statement such as "not applicable" or "unknown at time of execution." If the Owner intends to provide a set of design documents, and the requested information is contained in the design documents, identify the design documents and insert "see Owner's design documents" where appropriate.)

§ 1.1.1 The Owner's program for the Project:

(Set forth the program, identify documentation in which the program is set forth, or state the manner in which the program will be developed.)

See Exhibit D, Summary of Work

§ 1.1.2 The Owner's design requirements for the Project and related documentation:

(Identify below, or in an attached exhibit, the documentation that contains the Owner's design requirements, including any performance specifications for the Project.)

See Exhibit D, Summary of Work

§ 1.1.3 The Project's physical characteristics:

(Identify or describe, if appropriate, size, location, dimensions, or other pertinent information, such as geotechnical reports; site, boundary and topographic surveys; traffic and utility studies; availability of public and private utilities and services; legal description of the site; etc.)

See Exhibit D, Summary of Work and Exhibit E, Schematic Documents

§ 1.1.4 The Owner's anticipated Sustainable Objective for the Project, if any:

(Identify the Owner's Sustainable Objective for the Project such as Sustainability Certification, benefit to the environment, enhancement to the health and well-being of building occupants, or improvement of energy efficiency. If the Owner identifies a Sustainable Objective, incorporate AIA Document A141™-2014, Exhibit C, Sustainable Projects, into this Agreement to define the terms, conditions and Work related to the Owner's Sustainable Objective.)

N/A

§ 1.1.5 Incentive programs the Owner intends to pursue for the Project, including those related to the Sustainable Objective, and any deadlines for receiving the incentives that are dependent on, or related to, the Design-Builder's services, are as follows:

(Identify incentive programs the Owner intends to pursue for the Project and deadlines for submitting or applying for the incentive programs.)

N/A

§ 1.1.6 The Owner's budget for the Work to be provided by the Design-Builder is set forth below:

(Provide total for Owner's budget, and if known, a line item breakdown of costs.)

Eleven Million, One Hundred Seventy-Seven Thousand Dollars and Zero Cents (\$11,177,000.00)

§ 1.1.7 The Owner's design and construction milestone dates:

.1 Design phase milestone dates:

See Exhibit G, Project Schedule

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.2 Submission of Design-Builder Proposal:

See Exhibit G, Project Schedule

.3 Phased completion dates:

See Exhibit G, Project Schedule

.4 Substantial Completion date:

See Exhibit G, Project Schedule

.5 Other milestone dates:

See Exhibit G, Project Schedule



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User Notes:

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§ 1.1.8 The Owner requires the Design-Builder to retain the following Architect, Consultants and Contractors at the Design-Builder's cost:

(List name, legal status, address and other information.)

.1 Architect

Finfrock Construction, LLC
2400 Apopka Blvd.
Apopka, FL 32703

.2 Consultants

.3 Contractors

Finfrock Construction, LLC
2400 Apopka Blvd.
Apopka, FL 32703

§ 1.1.9 Additional Owner's Criteria upon which the Agreement is based:

(Identify special characteristics or needs of the Project not identified elsewhere, such as historic preservation requirements.)

§ 1.1.10 The Design-Builder shall confirm that the information included in the Owner's Criteria complies with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities.

§ 1.1.10.1 If the Owner's Criteria conflicts with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Design-Builder shall notify the Owner of the conflict.

§ 1.1.11 If there is a change in the Owner's Criteria, the Owner and the Design-Builder shall execute a Modification in accordance with Article 6.

§ 1.1.12 If the Owner and Design-Builder intend to transmit Instruments of Service or any other information or documentation in digital form, they shall endeavor to establish necessary protocols governing such transmissions. Unless otherwise agreed, the parties will use AIA Document E203™-2013 to establish the protocols for the development, use, transmission, and exchange of digital data and building information modeling.

§ 1.2 Project Team

§ 1.2.1 The Owner identifies the following representative in accordance with Section 7.1.1:

(List name, address and other information.)

Thomas Crosby
12 SE 1st Street
3rd Floor
Gainesville, FL 32601
Telephone Number: (352) 337-6205
Email Address: tcrosby@alachuacounty.us

§ 1.2.2 The persons or entities, in addition to the Owner's representative, who are required to review the Design-Builder's Submittals are as follows:

(List name, address and other information.)

Danny Moore
915 SE 5th Street
Gainesville, FL 32601
(352) 338-3229
Email Address: jdmoore@alachuacounty.us

§ 1.2.3 The Owner will retain the following consultants and separate contractors:

(List discipline, scope of work, and, if known, identify by name and address.)

1. EDA Consultants Inc. - Site Civil Engineering
2. Utility Service of Gainesville, Inc. - Underground Construction and Site Work
3. DLR Group - Architectural and Engineering
4. Paul Stresing Associates Inc. - Architectural and Engineering
5. Ajax - Construction Manager

§ 1.2.4 The Design-Builder identifies the following representative in accordance with Section 3.1.2:

(List name, address and other information.)

Bradley Davis
 2400 Apopka Boulevard
 Apopka, FL 32703
 Telephone Number: (407) 293-4000
 Email Address: bdavis@finfrock.com

§ 1.2.5 Neither the Owner’s nor the Design-Builder’s representative shall be changed without ten days’ written notice to the other party.

§ 1.3 Binding Dispute Resolution

For any Claim subject to, but not resolved by, mediation pursuant to Section 14.3, the method of binding dispute resolution shall be the following:

(Check the appropriate box. If the Owner and Design-Builder do not select a method of binding dispute resolution below, or do not subsequently agree in writing to a binding dispute resolution other than litigation, Claims will be resolved by litigation in a court of competent jurisdiction.)

- Arbitration pursuant to Section 14.4
- Litigation in a court of competent jurisdiction. THE PARTIES HEREBY WAIVE TRIAL BY JURY.
- Other: *(Specify)*

§ 1.4 Definitions

§ 1.4.1 Design-Build Documents. The Design-Build Documents consist of this Agreement between Owner and Design-Builder and its attached Exhibits (hereinafter, the “Agreement”); other documents listed in this Agreement; and Modifications issued after execution of this Agreement. A Modification is (1) a written amendment to the Contract signed by both parties, including the Design-Build Amendment, (2) a Change Order, or (3) a Change Directive. No document, drawing, specification or other information, whether it be referenced, incorporated or otherwise acknowledged is a Design-Build Document or binding upon the Design-Builder unless and to the extent such document, specification of other information is physically attached hereto as an exhibit, or it is incorporated by Modification or Amendment of this Agreement.

§ 1.4.2 The Contract. The Design-Build Documents form the Contract. The Contract represents the entire and integrated agreement between the parties and supersedes prior negotiations, representations or agreements, either written or oral. The Contract may be amended or modified only by a Modification. The Design-Build Documents shall not be construed to create a contractual relationship of any kind between any persons or entities other than the Owner and the Design-Builder.

§ 1.4.3 The Work. The term “Work” means the design, construction and related services required to fulfill the Design-Builder’s obligations under the Design-Build Documents, whether completed or partially completed, and includes all labor, materials, equipment and services provided or to be provided by the Design-Builder. The Work may constitute the whole or a part of the Project.

§ 1.4.4 The Project. The Project is the total design and construction of which the Work performed under the Design-Build Documents may be the whole or a part and may include design and construction by the Owner and by separate contractors.

§ 1.4.5 Instruments of Service. Instruments of Service are representations, in any medium of expression now known or later developed, of the tangible and intangible creative work performed by the Design-Builder, Contractor(s), Architect, and Consultant(s) under their respective agreements. Instruments of Service may include, without limitation, studies, surveys, models, sketches, drawings, specifications, digital models and other similar materials.

§ 1.4.6 Submittal. A Submittal is any submission to the Owner for review and approval demonstrating how the Design-Builder proposes to conform to the Design-Build Documents for those portions of the Work for which the Design-Build Documents require Submittals. Submittals include, but are not limited to, shop drawings, product data, and samples. Submittals are not Design-Build Documents unless incorporated into a Modification.

§ 1.4.7 Owner. The Owner is the person or entity identified as such in the Agreement and is referred to throughout the Design-Build Documents as if singular in number. The term “Owner” means the Owner or the Owner’s authorized representative.

§ 1.4.8 Design-Builder. The Design-Builder is the person or entity identified as such in the Agreement and is referred to throughout the Design-Build Documents as if singular in number. The term “Design-Builder” means the Design-Builder or the Design-Builder’s authorized representative.

§ 1.4.9 Consultant. A Consultant is a person or entity providing professional services for the Design-Builder for all or a portion of the Work and is referred to throughout the Design-Build Documents as if singular in number. To the extent required by the relevant jurisdiction, the Consultant shall be lawfully licensed to provide the required professional services.

§ 1.4.10 Architect. The Architect is a person or entity providing design services for the Design-Builder for all or a portion of the Work and is lawfully licensed to practice architecture in the applicable jurisdiction. The Architect is referred to throughout the Design-Build Documents as if singular in number.

§ 1.4.11 Contractor. A Contractor is a person or entity performing all or a portion of the construction, required in connection with the Work, for the Design-Builder. The Contractor shall be lawfully licensed, if required in the jurisdiction where the Project is located. The Contractor is referred to throughout the Design-Build Documents as if singular in number and means a Contractor or an authorized representative of the Contractor.

§ 1.4.12 Confidential Information. Confidential Information is information containing confidential or business proprietary information that is clearly marked as “confidential.”

§ 1.4.13 Contract Time. Unless otherwise provided, Contract Time is the period of time, including authorized adjustments, as set forth in the Design-Build Amendment for Substantial Completion of the Work.

§ 1.4.14 Day. The term “day” as used in the Design-Build Documents shall mean calendar day unless otherwise specifically defined.

§ 1.4.15 Contract Sum. The Contract Sum is the amount to be paid to the Design-Builder for performance of the Work after execution of the Design-Build Amendment, as identified in Article A.1 of the Design-Build Amendment.

(Paragraph Deleted)

§ 1.4.16 Owner Direct Purchases. Notwithstanding anything herein to the contrary, because Owner is exempt from sales tax and wishes to generate sales tax savings for the Project, Owner reserves the right to make direct purchases of various construction materials and equipment included in the Work. Design-Builder shall prepare purchase orders to vendors selected by Design-Builder, for execution by Owner, on forms provided by Owner. Design-Builder shall allow two weeks for execution of all such purchase orders by Owner. Design-Builder represents and warrants that it will use its best efforts to cooperate with Owner in implementing this sales tax savings program in order to maximize cost savings for the Project. With respect to all direct purchases by Owner, Design-Builder shall remain responsible for coordinating, ordering, inspecting, accepting delivery, storing, handling, installing, warranting and quality control for all direct purchases; Owner shall

remain solely liable for any loss of the direct purchases by the Owner from the date of delivery of said direct purchases until they are incorporated into the Project at which time the Owner's liability for loss shall terminate and the

Builder's Risk Insurance shall provide coverage per this Contract.. Notwithstanding anything herein to the contrary, Design-Builder expressly acknowledges and agrees that any materials or
(Table Deleted)

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equipment directly purchased by Owner pursuant this Paragraph 1.4.16 shall be included within and covered to the same extent as all other warranties provided by Design-Builder pursuant to the

(Paragraphs Deleted)

terms of the
(Paragraph Deleted)

Contract Documents. Owner shall assign to Design-Builder any and all warranties and rights Owner may have from any manufacturer or supplier of any such direct purchases by Owner. The County Manager may sign Purchase Orders issued by the Owner for Direct Purchases.

(Paragraphs Deleted)

ARTICLE 2

(Paragraph Deleted)

COMPENSATION AND PROGRESS PAYMENTS

§ 2.1 Payments to the Design-Builder

§ 2.1.4.1 **All applications for payment shall be processed and paid in accordance with the provisions of Chapter 218, Part VII Florida Statutes ("Local Government Prompt Payment Act"), and the Owner shall remit all payments to:**

Finfrock Construction, LLC

(Paragraph Deleted)

2400 Apopka Blvd.
Apopka, FL

32703

Email Address: bdavis@finfrock.com

Except as otherwise authorized in Exhibit A, the Owner shall not pay or reimburse Design-Builder for any expenses incurred by Design-Builder to perform the Work. No additional reimbursable expense will be paid under this Agreement.

§ 2.1.4.2 Auditing Rights and Information:

1. Design-Builder shall keep all records and supporting documentation which concern or relate to the Work hereunder for a minimum of ten (10) years from the date of termination of this Agreement or the date the Work is completed, whichever is later or such longer period of time as may be required by law. Owner, and any duly authorized agents or representatives of Owner, shall be provided access to all such records and supporting documentation of Design-Builder at any and all times during normal business hours upon request by Owner. Further, Owner, and any duly authorized agents or representatives of Owner, shall have the right to audit, inspect and copy all of Design-Builder's and any subcontractor's Project records and documentation as often as they reasonably deem necessary and Design-Builder shall reasonably cooperate in any audit, inspection, or copying of the documents. Employees' personal information is excluded, if exempt under Ch. 119, F.S., as are proprietary, confidential, privileged and other exempt information and

documentation. The access, inspection, copying and auditing rights shall survive the termination of this Agreement.

2. If at any time, Owner conducts such an audit of Design-Builder's records and documentation and finds that Design-Builder overcharged Owner, Design-Builder shall pay to Owner the Overcharged Amount which is defined as the total aggregate overcharged amount together with interest thereon (such interest to be established at the rate of 12% annum). If the Overcharged Amount is equal to or greater than \$50,000.00, Design-Builder shall pay to Owner the Overcharged Amount and the Audit Amount which is defined as the total aggregate of Owner's reasonable audit costs incurred as a result of its audit of Design-Builder. Owner may recover the Overcharged Amount and the Audit Amount, as applicable, from any amount due or owing Design-Builder with regard to the Project or under any other agreement between Design-Builder and Owner. If such amounts owed Design-Builder are insufficient to cover the Overcharged Amount and Audit Amount, as applicable, then Design-Builder hereby acknowledges and agrees that it shall pay such remaining amounts to Owner within seven (7) business days of its receipt of Owner's invoice for such remaining amounts. In no event shall the Overcharged Amount or the Audit Amount be deemed a reimbursable Cost of the Work.

§ 2.2 Contract Sum and Payment for Work Performed After Execution of Design-Build Amendment

For the Design-Builder's performance of the Work as set forth in Exhibit A, the Owner shall pay to the Design-Builder the Contract Sum set forth in Exhibit A.

ARTICLE 3 GENERAL REQUIREMENTS OF THE WORK OF THE DESIGN-BUILD CONTRACT

§ 3.1 General

§ 3.1.1 The Design-Builder shall comply with any applicable licensing requirements in the jurisdiction where the Project is located.

§ 3.1.2 The Design-Builder shall designate in writing a representative who is authorized to act on the Design-Builder's behalf with respect to the Project.

§ 3.1.3 The Design-Builder shall perform the Work in accordance with the Design-Build Documents. The Design-Builder shall not be relieved of the obligation to perform the Work in accordance with the Design-Build Documents by the activities, tests, inspections or approvals of the Owner.

§ 3.1.3.1 The Design-Builder shall perform the Work in compliance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities. If the Design-Builder performs Work contrary to applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities, the Design-Builder shall assume responsibility for such Work and shall bear the costs attributable to correction.

§ 3.1.3.2 Neither the Design-Builder nor any Contractor, Consultant, or Architect shall be obligated to perform any act which they believe will violate any applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities. If the Design-Builder determines that implementation of any instruction received from the Owner, including those in the Owner's Criteria, would cause a violation of any applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Design-Builder shall notify the Owner in writing. Upon verification by the Owner that a change to the Owner's Criteria is required to remedy the violation, the Owner and the Design-Builder shall execute a Modification in accordance with Article 6.

§ 3.1.4 The Design-Builder shall be responsible to the Owner for acts and omissions of the Design-Builder's employees, Architect, Consultants, Contractors, and their agents and employees, and other persons or entities performing portions of the Work.

§ 3.1.5 General Consultation. The Design-Builder shall schedule and conduct periodic meetings with the Owner to review matters such as procedures, progress, coordination, and scheduling of the Work.

§ 3.1.6 When applicable law requires that services be performed by licensed professionals, the Design-Builder shall provide those services through qualified, licensed professionals. The Owner understands and agrees that the services of the Design-Builder's Architect and the Design-Builder's other Consultants are performed in the sole interest of, and for the exclusive benefit of, the Design-Builder.

§ 3.1.7 The Design-Builder, with the assistance of the Owner, shall prepare and file documents required to obtain necessary approvals of governmental authorities having jurisdiction over the Project.

§ 3.1.8 Progress Reports

§ 3.1.8.1 The Design-Builder shall keep the Owner informed of the progress and quality of the Work. On a monthly basis, or otherwise as agreed to by the Owner and Design-Builder, the Design-Builder shall submit written progress reports to the Owner, showing estimated percentages of completion and other information identified below:

- .1 Work completed for the period;
- .2 Project schedule status;
- .3 Submittal schedule and status report, including a summary of outstanding Submittals;
- .4 Responses to requests for information to be provided by the Owner;
- .5 Approved Change Orders and Change Directives;
- .6 Pending Change Order and Change Directive status reports;
- .7 Tests and inspection reports;
- .8 Status report of Work rejected by the Owner;
- .9 Status of Claims previously submitted in accordance with Article 14;
- .10 Cumulative total of the Cost of the Work to date including the Design-Builder's compensation and Reimbursable Expenses, set forth in Exhibit A, if any;

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- .11 Current Project cash-flow and forecast reports; and
- .12 Additional information as agreed to by the Owner and Design-Builder.

§ 3.1.8.2 In addition, where the Contract Sum is the Cost of the Work with or without a Guaranteed Maximum Price, the Design-Builder shall include the following additional information in its progress reports:

- .1 Design-Builder's work force report;
- .2 Equipment utilization report; and
- .3 Cost summary, comparing actual costs to updated cost estimates.

§ 3.1.9 Design-Builder's Schedules

§ 3.1.9.1 The Design-Builder, promptly after execution of this Agreement, shall prepare and submit for the Owner's information a schedule for the Work. The schedule, including the time required for design and construction, shall not exceed time limits current under the Design-Build Documents, shall be revised at appropriate intervals as required by the conditions of the Work and Project, shall be related to the entire Project to the extent required by the Design-Build Documents, shall provide for expeditious and practicable execution of the Work, and shall include allowances for periods of time required for the Owner's review and for approval of submissions by authorities having jurisdiction over the Project.

§ 3.1.9.2 The Design-Builder shall perform the Work in general accordance with the most recent schedules submitted to the Owner.

§ 3.1.10 Certifications. Upon the Owner's written request, the Design-Builder shall obtain from the Architect, Consultants, and Contractors, and furnish to the Owner, certifications with respect to the documents and services provided by the Architect, Consultants, and Contractors (a) that, to the best of their knowledge, information and belief, the documents or services to which the certifications relate (i) are consistent with the Design-Build Documents, except to the extent specifically identified in the certificate, and (ii) comply with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities governing the design of the Project; and (b) that the Owner and its consultants shall be entitled to rely upon the accuracy of the representations and statements contained in the certifications. The Design-Builder's Architect, Consultants, and Contractors shall not be required to execute certificates or consents that would require knowledge, services or responsibilities beyond the scope of their services.

§ 3.1.11 Design-Builder's Submittals

§ 3.1.11.1 Prior to submission of any Submittals, the Design-Builder shall prepare a Submittal schedule, and shall submit the schedule for the Owner's approval. The Owner's approval shall not unreasonably be delayed or withheld. The Submittal schedule shall (1) be coordinated with the Design-Builder's schedule provided in Section 3.1.9.1, (2) allow the Owner reasonable time to review Submittals, and (3) be periodically updated to reflect the progress of the Work. If the Design-Builder fails to submit a Submittal schedule, the Design-Builder shall not be entitled to any increase in Contract Sum or extension of Contract Time based on the time required for review of Submittals.

§ 3.1.11.2 By providing Submittals the Design-Builder represents to the Owner that it has (1) reviewed and approved them, (2) determined and verified materials, field measurements and field construction criteria related thereto, or will do so and (3) checked and coordinated the information contained within such Submittals with the requirements of the Work and of the Design-Build Documents.

§ 3.1.11.3 The Design-Builder shall perform no portion of the Work for which the Design-Build Documents require Submittals until the Owner has approved the respective Submittal.

§ 3.1.11.4 The Work shall be in accordance with approved Submittals except that the Design-Builder shall not be relieved of its responsibility to perform the Work consistent with the requirements of the Design-Build Documents. The Work may deviate from the Design-Build Documents only if the Design-Builder has notified the Owner in writing of a deviation from the Design-Build Documents at the time of the Submittal and a Modification is executed authorizing the identified deviation. Modification is executed authorizing the identified deviation. The Design-Builder shall not be relieved of responsibility for errors or omissions in Submittals by the Owner's approval of the Submittals. Notwithstanding the foregoing, Design-Builder may make minor changes in the Work consistent with the intent of the Design-Build Documents; minor changes in the Work do not involve an adjustment in the Contract

Price and/or Contract Time(s) and do not materially and adversely affect the Work, including the design, quality, performance and workmanship required by the Design-Build Documents.

§ 3.1.11.5 All professional design services or certifications to be provided by the Design-Builder, including all drawings, calculations, specifications, certifications, shop drawings and other Submittals, shall contain the signature and seal of the licensed design professional preparing them. Submittals related to the Work designed or certified by the licensed design professionals, if prepared by others, shall bear the licensed design professional's written approval. The Owner and its consultants shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals.

§ 3.1.12 Warranty. The Design-Builder warrants to the Owner that materials and equipment furnished under the Contract will be of good quality and new unless the Design-Build Documents require or permit otherwise. The Design-Builder further warrants that the Work will conform to the requirements of the Design-Build Documents and will be free from defects, except for those inherent in the quality of the Work or otherwise expressly permitted by the Design-Build Documents. Work, materials, or equipment not conforming to these requirements may be considered defective. The Design-Builder's warranty excludes remedy for damage or defect caused by abuse, alterations to the Work not executed by the Design-Builder, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. If required by the Owner, the Design-Builder shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

§ 3.1.13 Royalties, Patents and Copyrights

§ 3.1.13.1 The Design-Builder shall pay all royalties and license fees.

§ 3.1.13.2 The Design-Builder shall defend suits or claims for infringement of copyrights and patent rights and shall hold the Owner and its separate contractors and consultants harmless from loss on account thereof, but shall not be responsible for such defense or loss when a particular design, process or product of a particular manufacturer or manufacturers is required by the Owner, or where the copyright violations are required in the Owner's Criteria. However, if the Design-Builder has reason to believe that the design, process or product required in the Owner's Criteria is an infringement of a copyright or a patent, the Design-Builder shall be responsible for such loss unless such information is promptly furnished to the Owner. If the Owner receives notice from a patent or copyright owner of an alleged violation of a patent or copyright, attributable to the Design-Builder, the Owner shall give prompt written notice to the Design-Builder.

§ 3.1.14 Indemnification

§ 3.1.14.1 To the fullest extent permitted by law, the Design-Builder shall defend, indemnify and hold harmless the Owner, including the Owner's agents and employees, from and against liabilities, damages, losses and costs, including but not limited to reasonable attorneys' fees, arising out of or resulting from performance of the Work, but only to the extent caused by the negligence, recklessness, or intentional wrongful conduct of the Design-Builder, Architect, a Consultant, a Contractor, or anyone directly or indirectly employed by them or anyone for whose acts they may be liable. Such obligation shall not exceed the monetary limit of Twelve Million Dollars (\$12,000,000.00) and shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person described in this Section 3.1.14.

(Paragraph Deleted)

§ 3.1.15 Contingent Assignment of Agreements

§ 3.1.15.1 Each agreement for a portion of the Work is assigned by the Design-Builder to the Owner, provided that

- .1 assignment is effective only after termination of the Contract by the Owner for cause, pursuant to Sections 13.1.4 or 13.2.2, and only for those agreements that the Owner accepts by written notification to the Design-Builder and the Architect, Consultants, and Contractors whose agreements are accepted for assignment; and
- .2 assignment is subject to the prior rights of the surety, if any, obligated under bond relating to the Contract.

When the Owner accepts the assignment of an agreement, the Owner assumes the Design-Builder's rights and obligations under the agreement.

§ 3.1.15.2 Upon such assignment, if the Work has been suspended for more than 30 days, the compensation under the assigned agreement shall be equitably adjusted for increases in cost resulting from the suspension.

§ 3.1.15.3 Upon such assignment to the Owner under this Section 3.1.15, the Owner may further assign the agreement to a successor design-builder or other entity. If the Owner assigns the agreement to a successor design-builder or other entity, the Owner shall nevertheless remain legally responsible for all of the successor design-builder's or other entity's obligations under the agreement.

§ 3.1.16 Design-Builder's Insurance and Bonds. The Design-Builder shall purchase and maintain and provide bonds as set forth in Exhibit B.

§ 3.1.16.1 At least ten (10) days PRIOR to furnishing any labor, services or material in connection with the Project, the Design-Builder shall provide the Owner with Payment and Performance Bonds, in the amount of one hundred percent (100%) of the Design Fee line item shown in the Schedule of Values (Exhibit "J"), in the form attached hereto as Exhibits N & O, the costs of which are to be paid by Design-Builder. At least ten (10) days PRIOR to furnishing any labor, services or material in connection with the Project on the jobsite, the Design-Builder shall provide the Owner with Payment and Performance Bonds, in the amount of one hundred percent (100%) of the Contract Sum, in the form attached hereto as Exhibits N & O, the costs of which are to be paid by Design-Builder.

It is mutually agreed between the Parties hereto that if, at any time after the execution of this Agreement and prior to the procurement of the required surety bond for its faithful performance and payment, the Owner shall deem the surety or sureties upon such bond to be unsatisfactory, or if, for any reason, such bond ceases to be adequate to cover the performance of the Work the Design-Builder shall, at its own expense, within five (5) days after the receipt of notice from the Owner to do so, furnish an additional bond or bonds in such form and amount, and with surety or sureties as shall be satisfactory to the Owner. In such event, no further payment to the Design-Builder shall be deemed to be due under this Agreement until such new or additional security for the faithful performance of the Work shall be furnished in a manner and form satisfactory to the Owner. It is understood that Design-Builder may utilize Federal Insurance Company (Chubb), a surety with an AM Best Rating of A++, XV as its surety for the Payment and Performance Bonds, and such surety is hereby approved.

§ 3.1.16.2 In accordance with the requirements of §255.05(1)(a), Florida Statutes, Design-Builder shall record a copy of the Performance and Payment Bonds in the Public Records of Alachua County, Florida, within five (5) days of furnishing the Performance and Payment Bonds to the Owner. Design-Builder shall deliver a certified copy of the recorded Performance and Payment Bond to the Owner as evidence of recording said Bonds, within five (5) days of recording. The delivery of such evidence is a condition precedent to the Owner's obligation to make any payments to the Design-Builder.

ARTICLE 4 WORK PRIOR TO EXECUTION OF THE DESIGN-BUILD AMENDMENT

§ 4.1 General

§ 4.1.1 Any information submitted by the Design-Builder, and any interim decisions made by the Owner, shall be for the purpose of facilitating the design process and shall not modify the Owner's Criteria unless the Owner and Design-Builder execute a Modification.

§ 4.1.2 The Design-Builder shall advise the Owner on proposed site use and improvements, selection of materials, and building systems and equipment. The Design-Builder shall also provide the Owner with recommendations, consistent with the Owner's Criteria, on constructability; availability of materials and labor; time requirements for procurement, installation and construction; and factors related to construction cost including, but not limited to, costs of alternative designs or materials, preliminary budgets, life-cycle data, and possible cost reductions.

§ 4.2 Evaluation of the Owner's Criteria

§ 4.2.1 The Design-Builder shall schedule and conduct meetings with the Owner and any other necessary individuals or entities to discuss and review the Owner's Criteria as set forth in Section 1.1. The Design-Builder shall thereafter again meet with the Owner to discuss a preliminary evaluation of the Owner's Criteria. The preliminary evaluation shall address possible alternative approaches to design and construction of the Project and include the Design-Builder's recommendations, if any, with regard to accelerated or fast-track scheduling, procurement, or phased construction. The preliminary evaluation shall consider cost information, constructability, and procurement and construction scheduling issues.

§ 4.2.2 After the Design-Builder meets with the Owner and presents the preliminary evaluation, the Design-Builder shall provide a written report to the Owner, summarizing the Design-Builder's evaluation of the Owner's Criteria. The report shall also include

- .1 allocations of program functions, detailing each function and their square foot areas;
- .2 a preliminary estimate of the Cost of the Work, and, if necessary, recommendations to adjust the Owner's Criteria to conform to the Owner's budget;
- .3 a preliminary schedule, which shall include proposed design milestones; dates for receiving additional information from, or for work to be completed by, the Owner; anticipated date for the Design-Builder's Proposal; and dates of periodic design review sessions with the Owner; and
- .4 the following:
(List additional information, if any, to be included in the Design-Builder's written report.)

§ 4.2.3 The Owner shall review the Design-Builder's written report and, if acceptable, provide the Design-Builder with written consent to proceed to the development of the Preliminary Design as described in Section 4.3. The consent to proceed shall not be understood to modify the Owner's Criteria unless the Owner and Design-Builder execute a Modification.

§ 4.3 Preliminary Design

§ 4.3.1 Upon the Owner's issuance of a written consent to proceed under Section 4.2.3, the Design-Builder shall prepare and submit a Preliminary Design to the Owner. The Preliminary Design shall include a report identifying any deviations from the Owner's Criteria, and shall include the following:

- .1 Confirmation of the allocations of program functions;
- .2 Site plan;
- .3 Building plans, sections and elevations;
- .4 Structural system;
- .5 Selections of major building systems, including but not limited to mechanical, electrical and plumbing systems; and
- .6 Outline specifications or sufficient drawing notes describing construction materials.

The Preliminary Design may include some combination of physical study models, perspective sketches, or digital modeling.

§ 4.3.2 The Owner shall review the Preliminary Design and, if acceptable, provide the Design-Builder with written consent to proceed to development of the Design-Builder's Proposal. The Preliminary Design shall not modify the Owner's Criteria unless the Owner and Design-Builder execute a Modification.

§ 4.4 Design-Builder's Proposal

§ 4.4.1 Upon the Owner's issuance of a written consent to proceed under Section 4.3.2, the Design-Builder shall prepare and submit the Design-Builder's Proposal to the Owner. The Design-Builder's Proposal shall include the following:

- .1 A list of the Preliminary Design documents and other information, including the Design-Builder's clarifications, assumptions and deviations from the Owner's Criteria, upon which the Design-Builder's Proposal is based;
- .2 The proposed Contract Sum, including the compensation method and, if based upon the Cost of the Work plus a fee, a written statement of estimated cost organized by trade categories, allowances, contingencies, Design-Builder's Fee, and other items that comprise the Contract Sum;
- .3 The proposed date the Design-Builder shall achieve Substantial Completion;
- .4 An enumeration of any qualifications and exclusions, if applicable;
- .5 A list of the Design-Builder's key personnel, Contractors and suppliers; and
- .6 The date on which the Design-Builder's Proposal expires.

§ 4.4.2 Submission of the Design-Builder's Proposal shall constitute a representation by the Design-Builder that it has visited the site and become familiar with local conditions under which the Work is to be completed.

§ 4.4.3 If the Owner and Design-Builder agree on a proposal, the Owner and Design-Builder shall execute the Design-Build Amendment setting forth the terms of their agreement.

ARTICLE 5 WORK FOLLOWING EXECUTION OF THE DESIGN-BUILD AMENDMENT

§ 5.1 Construction Documents

§ 5.1.1 Upon the execution of the Design-Build Amendment, the Design-Builder shall prepare Construction Documents. The Construction Documents shall establish the quality levels of materials and systems required. The Construction Documents shall be consistent with the Design-Build Documents.

§ 5.1.2 The Design-Builder shall provide the Construction Documents to the Owner for the Owner's information. If the Owner discovers any deviations between the Construction Documents and the Design-Build Documents, the Owner shall promptly notify the Design-Builder of such deviations in writing. The Construction Documents shall not modify the Design-Build Documents unless the Owner and Design-Builder execute a Modification. The failure of the Owner to discover any such deviations shall not relieve the Design-Builder of the obligation to perform the Work in accordance with the Design-Build Documents.

§ 5.2 Construction

§ 5.2.1 Commencement. Except as permitted in Section 5.2.2, construction shall not commence prior to execution of the Design-Build Amendment.

§ 5.2.2 If the Owner and Design-Builder agree in writing, construction may proceed prior to the execution of the Design-Build Amendment. However, such authorization shall not waive the Owner's right to reject the Design-Builder's Proposal.

§ 5.2.3 The Design-Builder shall supervise and direct the Work, using the Design-Builder's best skill and attention. The Design-Builder shall be solely responsible for, and have control over, construction means, methods, techniques, sequences and procedures, and for coordinating all portions of the Work under the Contract, unless the Design-Build Documents give other specific instructions concerning these matters.

§ 5.2.4 The Design-Builder shall be responsible for inspection of portions of Work already performed to determine that such portions are in proper condition to receive subsequent Work.

§ 5.3 Labor and Materials

§ 5.3.1 Unless otherwise provided in the Design-Build Documents, the Design-Builder shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services, necessary for proper execution and completion of the Work, whether temporary or permanent, and whether or not incorporated or to be incorporated in the Work.

§ 5.3.2 When a material or system is specified in the Design-Build Documents, the Design-Builder may make substitutions only in accordance with Article 6.

§ 5.3.3 The Design-Builder shall enforce strict discipline and good order among the Design-Builder's employees and other persons carrying out the Work. The Design-Builder shall not permit employment of unfit persons or persons not properly skilled in tasks assigned to them.

§ 5.4 Taxes

The Design-Builder shall pay sales, consumer, use and similar taxes, for the Work provided by the Design-Builder, that are legally enacted when the Design-Build Amendment is executed, whether or not yet effective or merely scheduled to go into effect.

§ 5.5 Permits, Fees, Notices and Compliance with Laws

§ 5.5.1 The Design-Builder shall secure and/or pay for the permits, fees, licenses, and inspections by government agencies, necessary for proper execution of the Work and Substantial Completion of the Project as identified in Design-Builder's Permit List (attached hereto as Exhibit "F"). Owner shall secure and pay for all other permits, fees, licenses and inspections by government agencies necessary for proper execution of the Work and Substantial Completion of the Project. Design-Builder shall identify in the Project Schedule all permits that are required to be secured by Owner and the date(s) by which said permits must be secured by Owner in order for Design-Builder to

timely achieve Substantial Completion of the Work. Design-Builder agrees to cooperate and coordinate with Owner regarding Owner's efforts to secure such permits.

§ 5.5.2 The Design-Builder shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities, applicable to performance of the Work.

§ 5.5.3 Concealed or Unknown Conditions. If the Design-Builder encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Design-Build Documents or (2) unknown physical conditions of an unusual nature that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Design-Build Documents, the Design-Builder shall promptly provide notice to the Owner before conditions are disturbed (to the extent reasonably practicable) and in no event later than 21 days after first observance of the conditions or when the time and financial impact of such conditions are known, whichever is later. The Owner shall promptly investigate such conditions and, if the Owner determines that they differ materially and cause an increase or decrease in the Design-Builder's cost of, or time required for, performance of any part of the Work, shall recommend an equitable adjustment in the Contract Sum or Contract Time, or both. If the Owner determines that the conditions at the site are not materially different from those indicated in the Design-Build Documents and that no change in the terms of the Contract is justified, the Owner shall promptly notify the Design-Builder in writing, stating the reasons. If the Design-Builder disputes the Owner's determination or recommendation, the Design-Builder may proceed as provided in Article 14.

§ 5.5.4 If, in the course of the Work, the Design-Builder encounters human remains, or recognizes the existence of burial markers, archaeological sites, or wetlands, not indicated in the Design-Build Documents, the Design-Builder shall immediately suspend any operations that would affect them and shall notify the Owner. Upon receipt of such notice, the Owner shall promptly take any action necessary to obtain governmental authorization required to resume the operations. The Design-Builder shall continue to suspend such operations until otherwise instructed by the Owner but shall continue with all other operations that do not affect those remains or features. Requests for adjustments in the Contract Sum and Contract Time arising from the existence of such remains or features may be made as provided in Article 14.

§ 5.6 Allowances

§ 5.6.1 The Design-Builder shall include in the Contract Sum all allowances stated in the Design-Build Documents. Items covered by allowances shall be supplied for such amounts, and by such persons or entities as the Owner may direct, but the Design-Builder shall not be required to employ persons or entities to whom the Design-Builder has reasonable objection.

§ 5.6.2 Unless otherwise provided in the Design-Build Documents,

- .1 allowances shall cover the cost to the Design-Builder of materials and equipment delivered at the site and all required taxes, less applicable trade discounts;
- .2 the Design-Builder's costs for unloading and handling at the site, labor, installation costs, overhead, profit, and other expenses contemplated for stated allowance amounts, shall be included in the Contract Sum but not in the allowances; and
- .3 whenever costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect (1) the difference between actual costs and the allowances under Section 5.6.2.1 and (2) changes in Design-Builder's costs under Section 5.6.2.2.

§ 5.6.3 The Owner shall make selections of materials and equipment with reasonable promptness for allowances requiring Owner selection.

§ 5.7 Key Personnel, Contractors and Suppliers

§ 5.7.1 The Design-Builder shall not employ personnel, or contract with Contractors or suppliers to whom the Owner has made reasonable and timely objection. The Design-Builder shall not be required to contract with anyone to whom the Design-Builder has made reasonable and timely objection.

§ 5.7.2 If the Design-Builder changes any of the personnel, Contractors or suppliers identified in the Design-Build Amendment, the Design-Builder shall notify the Owner and provide the name and qualifications of the new

personnel, Contractor or supplier. The Owner may reply within 7 days to the Design-Builder in writing, stating (1) whether the Owner has reasonable objection to the proposed personnel, Contractor or supplier or (2) that the Owner requires additional time to review. Failure of the Owner to reply within the 7-day period shall constitute notice of no reasonable objection.

§ 5.7.3 Except for those persons or entities already identified or required in the Design-Build Amendment, the Design-Builder, as soon as practicable after execution of the Design-Build Amendment, shall furnish in writing to the Owner the names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for each principal portion of the Work. The Owner may reply within 7 days to the Design-Builder in writing stating (1) whether the Owner has reasonable objection to any such proposed person or entity or (2) that the Owner requires additional time for review. Failure of the Owner to reply within the 7-day period shall constitute notice of no reasonable objection.

§ 5.7.3.1 If the Owner has reasonable objection to a person or entity proposed by the Design-Builder, the Design-Builder shall propose another to whom the Owner has no reasonable objection. If the rejected person or entity was reasonably capable of performing the Work, the Contract Sum and Contract Time shall be increased or decreased by the difference, if any, occasioned by such change, and an appropriate Change Order shall be issued before commencement of the substitute person or entity's Work. However, no increase in the Contract Sum or Contract Time shall be allowed for such change unless the Design-Builder has acted promptly and responsively in submitting names as required.

§ 5.8 Documents and Submittals at the Site

The Design-Builder shall maintain at the site for the Owner one copy of the Design-Build Documents and a current set of the Construction Documents, in good order and marked currently to indicate field changes and selections made during construction, and one copy of approved Submittals. The Design-Builder shall deliver these items to the Owner in accordance with Section 9.10.2 as a record of the Work as constructed.

§ 5.9 Use of Site

The Design-Builder shall confine operations at the site to areas permitted by applicable laws, statutes, ordinances, codes, rules and regulations, lawful orders of public authorities, and the Design-Build Documents, and shall not unreasonably encumber the site with materials or equipment.

§ 5.10 Cutting and Patching

The Design-Builder shall not cut, patch or otherwise alter fully or partially completed construction by the Owner or a separate contractor except with written consent of the Owner and of such separate contractor; such consent shall not be unreasonably withheld. The Design-Builder shall not unreasonably withhold from the Owner or a separate contractor the Design-Builder's consent to cutting or otherwise altering the Work.

§ 5.11 Cleaning Up

§ 5.11.1 The Design-Builder shall keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under the Contract. At completion of the Work, the Design-Builder shall remove waste materials, rubbish, the Design-Builder's tools, construction equipment, machinery and surplus materials from and about the Project.

§ 5.11.2 If the Design-Builder fails to clean up as provided in the Design-Build Documents, the Owner may do so, and Owner shall be entitled to reimbursement from the Design-Builder.

§ 5.12 Access to Work

The Design-Builder shall provide the Owner and its separate contractors and consultants access to the Work in preparation and progress wherever located. The Design-Builder shall notify the Owner regarding Project safety criteria and programs, which the Owner, and its contractors and consultants, shall comply with while at the site.

§ 5.13 Construction by Owner or by Separate Contractors

§ 5.13.1 Owner's Right to Perform Construction and to Award Separate Contracts

§ 5.13.1.1 The Owner reserves the right to perform construction or operations related to the Project with the Owner's own forces and to award separate contracts in connection with other portions of the Project, or other construction or operations on the site, under terms and conditions identical or substantially similar to this Contract, including those

terms and conditions related to insurance and waiver of subrogation. The Owner shall notify the Design-Builder promptly after execution of any separate contract. If the Design-Builder claims that delay or additional cost is involved because of such action by the Owner, the Design-Builder shall make a Claim as provided in Article 14. Notwithstanding the foregoing, nothing in this section shall be construed as a waiver of the Owner's sovereign immunity, and any claim by the Design-Builder shall be subject to the applicable laws and regulations governing claims against the Owner.

§ 5.13.1.2 When separate contracts are awarded for different portions of the Project or other construction or operations on the site, the term "Design-Builder" in the Design-Build Documents in each case shall mean the individual or entity that executes each separate agreement with the Owner.

§ 5.13.1.3 The Owner shall provide for coordination of the activities of the Owner's own forces, and of each separate contractor, with the Work of the Design-Builder, who shall cooperate with them. The Design-Builder shall participate with other separate contractors and the Owner in reviewing their construction schedules. The Design-Builder shall make any revisions to the construction schedule deemed necessary after a joint review and mutual agreement. The construction schedules shall then constitute the schedules to be used by the Design-Builder, separate contractors and the Owner until subsequently revised.

§ 5.13.1.4 Unless otherwise provided in the Design-Build Documents, when the Owner performs construction or operations related to the Project with the Owner's own forces or separate contractors, the Owner shall be deemed to be subject to the same obligations, and to have the same rights, that apply to the Design-Builder under the Contract.

§ 5.14 Mutual Responsibility

§ 5.14.1 The Design-Builder shall afford the Owner and separate contractors' reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities and shall connect and coordinate the Design-Builder's construction and operations with theirs as required by the Design-Build Documents.

§ 5.14.2 If part of the Design-Builder's Work depends upon construction or operations by the Owner or a separate contractor, the Design-Builder shall, prior to proceeding with that portion of the Work, prepare a written report to the Owner, identifying apparent discrepancies or defects in the construction or operations by the Owner or separate contractor that would render it unsuitable for proper execution and results of the Design-Builder's Work. Failure of the Design-Builder to report shall constitute an acknowledgment that the Owner's or separate contractors completed or partially completed construction is fit and proper to receive the Design-Builder's Work, except as to defects not then reasonably discoverable.

§ 5.14.3 The Design-Builder shall reimburse the Owner for costs the Owner incurs that are payable to a separate contractor because of the Design-Builder's delays, improperly timed activities or defective construction. The Owner shall be responsible to the Design-Builder for costs the Design-Builder incurs because of a separate contractor's delays, improperly timed activities, damage to the Work or defective construction.

§ 5.14.4 The Design-Builder shall promptly remedy damage the Design-Builder wrongfully causes to completed or partially completed construction or to property of the Owner or separate contractors as provided in Section 10.2.5.

§ 5.14.5 The Owner and each separate contractor shall have the same responsibilities for cutting and patching the Work as the Design-Builder has with respect to the construction of the Owner or separate contractors in Section 5.10.

§ 5.15 Owner's Right to Clean Up

If a dispute arises among the Design-Builder, separate contractors and the Owner as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, the Owner may clean up and will allocate the cost among those responsible.

ARTICLE 6 CHANGES IN THE WORK

§ 6.1 General

§ 6.1.1 Changes in the Work may be accomplished after execution of the Contract, and without invalidating the Contract, by Change Order or Change Directive, subject to the limitations stated in this Article 6 and elsewhere in the Design-Build Documents.

§ 6.1.2 A Change Order shall be based upon agreement between the Owner and Design-Builder. The Owner may issue a Change Directive without agreement by the Design-Builder.

§ 6.1.3 Changes in the Work shall be performed under applicable provisions of the Design-Build Documents, and the Design-Builder shall proceed promptly, unless otherwise provided in the Change Order or Change Directive.

§ 6.2 Change Orders

A Change Order is a written instrument signed by the Owner and Design-Builder stating their agreement upon all of the following:

- .1 The change in the Work;
- .2 The amount of the adjustment, if any, in the Contract Sum or, if prior to execution of the Design-Build Amendment, the adjustment in the Design-Builder's compensation; and
- .3 The extent of the adjustment, if any, in the Contract Time.

§ 6.3 Change Directives

§ 6.3.1 A Change Directive is a written order signed by the Owner directing a change in the Work prior to agreement on adjustment, if any, in the Contract Sum or, if prior to execution of the Design-Build Amendment, the adjustment in the Design-Builder's compensation, or Contract Time. The Owner may by Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions or other revisions, the Contract Sum or, if prior to execution of the Design-Build Amendment, the adjustment in the Design-Builder's compensation, and Contract Time being adjusted accordingly.

§ 6.3.2 A Change Directive shall be used in the absence of total agreement on the terms of a Change Order.

§ 6.3.3 If the Change Directive provides for an adjustment to the Contract Sum or, if prior to execution of the Design-Build Amendment, an adjustment in the Design-Builder's compensation, the adjustment shall be based on one of the following methods:

- .1 Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;
- .2 Unit prices stated in the Design-Build Documents or subsequently agreed upon;
- .3 Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee; or
- .4 As provided in Section 6.3.7.

§ 6.3.4 If unit prices are stated in the Design-Build Documents or subsequently agreed upon, and if quantities originally contemplated are materially changed in a proposed Change Order or Change Directive so that application of such unit prices to quantities of Work proposed will cause substantial inequity to the Owner or Design-Builder, the applicable unit prices shall be equitably adjusted.

§ 6.3.5 Upon receipt of a Change Directive, the Design-Builder shall promptly proceed with the change in the Work involved and advise the Owner of the Design-Builder's agreement or disagreement with the method, if any, provided in the Change Directive for determining the proposed adjustment in the Contract Sum or, if prior to execution of the Design-Build Amendment, the adjustment in the Design-Builder's compensation, or Contract Time.

§ 6.3.6 A Change Directive signed by the Design-Builder indicates the Design-Builder's agreement therewith, including adjustment in Contract Sum or, if prior to execution of the Design-Build Amendment, the adjustment in the Design-Builder's compensation, and Contract Time or the method for determining them. Such agreement shall be effective immediately and shall be recorded as a Change Order.

§ 6.3.7 If the Design-Builder does not respond promptly or disagrees with the method for adjustment in the Contract Sum or, if prior to execution of the Design-Build Amendment, the method for adjustment in the Design-Builder's compensation, the Owner shall determine the method and the adjustment on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in case of an increase, an amount for overhead and profit as set forth in the Agreement, or if no such amount is set forth in the Agreement, a reasonable amount. In such case, and also under Section 6.3.3.3, the Design-Builder shall keep and present, in such form as the Owner may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Design-Build Documents, costs for the purposes of this Section 6.3.7 shall be limited to the following:

1. Additional costs of professional services;
2. Costs of labor, including social security, unemployment insurance, fringe benefits required by agreement or custom, and workers' compensation insurance;
3. Costs of materials, supplies and equipment, including cost of transportation, whether incorporated or consumed;
4. Rental costs of machinery and equipment, exclusive of hand tools, whether rented from the Design-Builder or others;
5. Costs of premiums for all bonds and insurance, permit fees, and sales, use or similar taxes related to the Work; and
6. Additional costs of supervision and field office personnel directly attributable to the change.

§ 6.3.8 The amount of credit to be allowed by the Design-Builder to the Owner for a deletion or change that results in a net decrease in the Contract Sum or, if prior to execution of the Design-Build Amendment, in the Design-Builder's compensation, shall be actual net cost. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase, if any, with respect to that change.

§ 6.3.9 Pending final determination of the total cost of a Change Directive to the Owner, the Design-Builder may request payment for Work completed under the Change Directive in Applications for Payment. The Owner will make an interim determination for purposes of certification for payment for those costs deemed to be reasonably justified. The Owner's interim determination of cost shall adjust the Contract Sum or, if prior to execution of the Design-Build Amendment, the Design-Builder's compensation, on the same basis as a Change Order, subject to the right of Design-Builder to disagree and assert a Claim in accordance with Article 14.

§ 6.3.10 When the Owner and Design-Builder agree with a determination concerning the adjustments in the Contract Sum or, if prior to execution of the Design-Build Amendment, the adjustment in the Design-Builder's compensation and Contract Time, or otherwise reach agreement upon the adjustments, such agreement shall be effective immediately and the Owner and Design-Builder shall execute a Change Order. Change Orders may be issued for all or any part of a Change Directive.

§ 6.3.11 Design-Builder shall be entitled to a markup of Design-Builder's Fee in the amount of ten percent (10%) for any additive Change Orders and/or Change Directives. In the event Owner elects to utilize any owner-direct purchase of materials or equipment, Design-Builder's Fee shall not be reduced by any such election or utilization.

ARTICLE 7 OWNER'S RESPONSIBILITIES

§ 7.1 General

§ 7.1.1 The Owner shall designate in writing a representative who shall have express authority to bind the Owner with respect to all Project matters requiring the Owner's approval or authorization.

§ 7.1.2 The Owner shall render decisions in a timely manner and in accordance with the Design-Builder's schedule agreed to by the Owner. The Owner shall furnish to the Design-Builder, within 15 days after receipt of a written request, information necessary and relevant for the Design-Builder to evaluate, give notice of or enforce mechanic's lien rights. Such information shall include a correct statement of the record legal title to the property on which the Project is located, usually referred to as the site, and the Owner's interest therein.

§ 7.2 Information and Services Required of the Owner

§ 7.2.1 The Owner shall furnish information or services required of the Owner by the Design-Build Documents with reasonable promptness.

§ 7.2.2 The Owner shall provide, to the extent not required by the Design-Build Documents to be provided by the Design-Builder, the results and reports of prior tests, inspections or investigations conducted for the Project involving structural or mechanical systems; chemical, air and water pollution; hazardous materials; or environmental and subsurface conditions and information regarding the presence of pollutants at the Project site. Owner shall also provide (a) surveys describing physical characteristics, easements, reference points for use during construction, legal limitations and utility locations for the site of the Project, (b) a legal description of the site (c) Geotechnical studies describing subsurface conditions, and other surveys describing other latent or concealed physical conditions at the Site; (d) Temporary and permanent easements, zoning and other requirements and encumbrances affecting land use, or necessary to permit the proper design and construction of the Project and enable Design-Builder to perform the Work; (e) To the extent available, as-built and record drawings of any existing structures at the Site; and (f) Civil and Utility designs describing the proposed surface and subsurface improvements including utility lines and their tie-in locations.

§ 7.2.3 The Owner shall promptly obtain easements, zoning variances, and legal authorizations or entitlements regarding site utilization where essential to the execution of the Project.

§ 7.2.4 The Owner shall cooperate with the Design-Builder in securing building and other permits, licenses and inspections.

§ 7.2.5 The services, information, surveys and reports required to be provided by the Owner under this Agreement, shall be furnished at the Owner's expense, and except as otherwise specifically provided in this Agreement or elsewhere in the Design-Build Documents or to the extent the Owner advises the Design-Builder to the contrary in writing, the Design-Builder shall be entitled to rely upon the accuracy and completeness thereof. In no event shall the Design-Builder be relieved of its responsibility to exercise proper precautions relating to the safe performance of the Work.

§ 7.2.6 If the Owner observes or otherwise becomes aware of a fault or defect in the Work or non-conformity with the Design-Build Documents, the Owner shall give prompt written notice thereof to the Design-Builder.

§ 7.2.7 Prior to the execution of the Design-Build Amendment, the Design-Builder may request in writing that the Owner provide reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Design-Build Documents and the Design-Builder's Proposal. Thereafter, the Design-Builder may only request such evidence if (1) the Owner fails to make payments to the Design-Builder as the Design-Build Documents require; (2) a change in the Work materially changes the Contract Sum; or (3) the Design-Builder identifies in writing a reasonable concern regarding the Owner's ability to make payment when due. The Owner shall furnish such evidence as a condition precedent to commencement or continuation of the Work, or the portion of the Work affected by a material change. After the Owner furnishes the evidence, the Owner shall not materially vary such financial arrangements without prior notice to the Design-Builder.

§ 7.2.8 Except as otherwise provided in the Design-Build Documents or when direct communications have been specially authorized, the Owner shall communicate through the Design-Builder with persons or entities employed or retained by the Design-Builder.

§ 7.2.9 Unless required by the Design-Build Documents to be provided by the Design-Builder, the Owner shall furnish the services of geotechnical engineers or other consultants for investigation of subsurface, air and water conditions when such services are reasonably necessary to properly carry out the services furnished by the Design-Builder. Such services may include, but are not limited to, test borings, test pits, determinations of soil bearing values, percolation tests, evaluations of hazardous materials, ground corrosion and resistivity tests, and necessary operations for anticipating subsoil conditions. The services of geotechnical engineer(s) or other consultants shall include preparation and submission of all appropriate reports and professional recommendations including, without limitation, the approval, by Owner's geotechnical engineer, of any ground improvement program proposed by Design-Builder. Design-Builder may, but shall not be required to, request any specific or supplementary services, beyond those contemplated herein, and Owner shall furnish such services. Without limiting the foregoing, it is understood and agreed by Owner and Design-Builder that Owner remains exclusively liable and responsible for any subsurface and/or geotechnical defects, whether or not Design-Builder engages in soil improvements; Owner, to the greatest extent permitted by law, shall hold Design-Builder harmless from and shall remain responsible for any and all costs and liabilities, including resulting damages and reasonable attorneys' fees, associated with any subsurface and/or geotechnical defects.

§ 7.2.10 The Owner shall purchase and maintain insurance as set forth in Exhibit B.

§ 7.3 Submittals

§ 7.3.1 The Owner shall review and approve or take other appropriate action on Submittals. Review of Submittals is not conducted for the purpose of determining the accuracy and completeness of other details, such as dimensions and quantities; or for substantiating instructions for installation or performance of equipment or systems; or for determining that the Submittals are in conformance with the Design-Build Documents, all of which remain the responsibility of the Design-Builder as required by the Design-Build Documents. The Owner's action will be taken in accordance with the submittal schedule approved by the Owner or, in the absence of an approved submittal schedule, with reasonable promptness while allowing sufficient time in the Owner's judgment to permit adequate review. The Owner's review of Submittals shall not relieve the Design-Builder of the obligations under Sections 3.1.11, 3.1.12, and 5.2.3. The Owner's review shall not constitute approval of safety precautions or, unless otherwise specifically stated by the Owner, of any construction means, methods, techniques, sequences or procedures. The Owner's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

§ 7.3.2 Upon review of the Submittals required by the Design-Build Documents, the Owner shall notify the Design-Builder of any non-conformance with the Design-Build Documents the Owner discovers.

§ 7.4 Visits to the site by the Owner shall not be construed to create an obligation on the part of the Owner to make on-site inspections to check the quality or quantity of the Work. The Owner shall neither have control over or charge of, nor be responsible for, the construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the Work, because these are solely the Design-Builder's rights and responsibilities under the Design-Build Documents.

§ 7.5 The Owner shall not be responsible for the Design-Builder's failure to perform the Work in accordance with the requirements of the Design-Build Documents. The Owner shall not have control over or charge of and will not be responsible for acts or omissions of the Design-Builder, Architect, Consultants, Contractors, or their agents or employees, or any other persons or entities performing portions of the Work for the Design-Builder.

§ 7.6 The Owner has the authority to reject Work that does not conform to the Design-Build Documents. The Owner shall have authority to require inspection or testing of the Work in accordance with Section 15.5.2, whether or not such Work is fabricated, installed or completed. However, neither this authority of the Owner nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Owner to the Design-Builder, the Architect, Consultants, Contractors, material and equipment suppliers, their agents or employees, or other persons or entities performing portions of the Work.

§ 7.7 The Owner shall determine the date or dates of Substantial Completion in accordance with Section 9.8 and the date of final completion in accordance with Section 9.10.

§ 7.8 Owner's Right to Stop Work

If the Design-Builder fails to correct Work which is not in accordance with the requirements of the Design-Build Documents as required by Section 11.2 or persistently fails to carry out Work in accordance with the Design-Build Documents, the Owner may issue a written order to the Design-Builder to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the Owner to stop the Work shall not give rise to a duty on the part of the Owner to exercise this right for the benefit of the Design-Builder or any other person or entity, except to the extent required by Section 5.13.1.3.

§ 7.9 Owner's Right to Carry Out the Work

If the Design-Builder defaults or neglects to carry out the Work in accordance with the Design-Build Documents and fails within a ten-day period after receipt of written notice from the Owner to commence and continue correction of such default or neglect with diligence and promptness, the Owner may, without prejudice to other remedies the Owner may have, correct such deficiencies. In such case, an appropriate Change Order shall be issued deducting from payments then or thereafter due the Design-Builder the reasonable cost of correcting such deficiencies. If payments then or thereafter due the Design-Builder are not sufficient to cover such amounts, the Design-Builder shall pay the difference to the Owner.

ARTICLE 8 TIME

§ 8.1 Progress and Completion

§ 8.1.1 Time limits stated in the Design-Build Documents are of the essence of the Contract. By executing the Design-Build Amendment the Design-Builder confirms that the Contract Time is a reasonable period for performing the Work.

§ 8.1.2 The Design-Builder shall not, except by agreement of the Owner in writing, commence the Work prior to the effective date of insurance, other than property insurance, required by this Contract. The Contract Time shall not be adjusted as a result of the Design-Builder's failure to obtain insurance required under this Contract.

§ 8.1.3 The Design-Builder shall proceed expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time.

§ 8.2 Delays and Extensions of Time

§ 8.2.1 If the Design-Builder is delayed at any time in the commencement or progress of the Work by force majeure, an act or neglect of the Owner or of a consultant or separate contractor employed by the Owner; or by changes ordered in the Work by the Owner; or by labor disputes, fire, pandemic, epidemic, unusual delay in deliveries, unavoidable casualties acts of God, delay of connection, activation or location of any utility, delay of any authority having jurisdiction over the Project or other causes beyond the Design-Builder's control; or by delay authorized by the Owner pending mediation and binding dispute resolution or by other causes that the Owner determines may justify delay, then the Contract Time shall be extended by Change Order for such reasonable time as the Owner and Design-Builder may determine.

§ 8.2.2 Claims relating to time shall be made in accordance with applicable provisions of Article 14.

§ 8.2.3 This Section 8.2 does not preclude recovery of damages for delay by either party under other provisions of the Design-Build Documents.

§ 8.2.4 In addition to Design-Builder's right to a time extension for those events set forth in Section 8.2.1 above, Design-Builder shall also be entitled to an appropriate adjustment of the Contract Sum for any delay directly caused by the Owner or an authority having jurisdiction over the Project. Notwithstanding the foregoing, and as a matter of clarification, nothing in this Section 8.2 shall limit Design-Builder's recovery or coverage in any insurance policy, including without limitation Builder's Risk. Furthermore, should Design-Builder be delayed in the Work due to reasons beyond its control, including those caused by the Owner, and such delay causes an increase in Design-Builder's costs, Design-Builder shall be afforded a mutually agreeable change order for an increase in the Contract Sum associated with such delay, to the extent such delay causes an increase in Design-Builder's

costs.

ARTICLE 9 PAYMENT APPLICATIONS AND PROJECT COMPLETION

§ 9.1 Contract Sum

The Contract Sum is stated in the Design-Build Amendment.

§ 9.2 Schedule of Values

Where the Contract Sum is based on a stipulated sum or Guaranteed Maximum Price, the Design-Builder, prior to the first Application for Payment after execution of the Design-Build Amendment shall submit to the Owner a schedule of values allocating the entire Contract Sum to the various portions of the Work and prepared in such form and supported by such data to substantiate its accuracy as the Owner may require. This schedule, unless objected to by the Owner, shall be used as a basis for reviewing the Design-Builder's Applications for Payment.

§ 9.3 Applications for Payment

§ 9.3.1 At least ten days before the date established for each progress payment, the Design-Builder shall submit to the Owner an itemized Application for Payment for completed portions of the Work. The application shall be notarized, if required, and supported by data substantiating the Design-Builder's right to payment as the Owner may reasonably require, such as copies of requisitions from the Architect, Consultants, Contractors, and material suppliers, and shall reflect retainage if provided for in the Design-Build Documents.

§ 9.3.1.1 As provided in Section 6.3.9, Applications for Payment may include requests for payment on account of changes in the Work that have been properly authorized by Change Directives, or by interim determinations of the Owner, but not yet included in Change Orders.

§ 9.3.1.2 Applications for Payment shall not include requests for payment for portions of the Work for which the Design-Builder does not intend to pay the Architect, Consultant, Contractor, material supplier, or other persons or entities providing services or work for the Design-Builder, unless such Work has been performed by others whom the Design-Builder intends to pay or such withholding is permitted pursuant to a written agreement between Design-Builder and such Architect(s), Consultant(s), Contractor(s), material supplier(s) or other person(s) or entity(ies) ("Subcontract").

§ 9.3.2 Unless otherwise provided in the Design-Build Documents, payments shall be made for services provided as well as materials and equipment delivered and suitably stored at the site for subsequent incorporation in the Work. If approved in advance by the Owner, payment may similarly be made for materials and equipment suitably stored off the site at a location agreed upon in writing. Payment for materials and equipment stored on or off the site shall be conditioned upon compliance by the Design-Builder with procedures satisfactory to the Owner to establish the Owner's title to such materials and equipment or otherwise protect the Owner's interest, and shall include the costs of applicable insurance, storage and transportation to the site for such materials and equipment stored off the site. It is understood and agreed that precast concrete manufacturer shall be paid for materials and equipment suitably stored off the site at the precast concrete manufacturer's facility. Title to any stored materials or equipment, including without limitation precast concrete, shall not transfer to Owner until payment in full for such materials or equipment is received. Design-Builder shall be entitled to receive payment for early procurement of materials, deposits on materials, and materials and equipment suitably stored off the site at a mutually acceptable location, with the Owner's prior approval (which shall not be unreasonably withheld). Owner agrees to assume the risk of any potential delays to the project schedule and increases in the contract price due to Owner lack of approval.

§ 9.3.3 The Design-Builder warrants that title to all Work, other than Instruments of Service, covered by an Application for Payment will pass to the Owner no later than the time of payment. The Design-Builder further warrants that, upon submittal of an Application for Payment, all Work for which Certificates for Payment have been previously issued and payments received from the Owner shall, to the best of the Design-Builder's knowledge, information and belief, and to the extent Design-Builder has received payment from the Owner for the same, be free and clear of liens, claims, security interests or encumbrances in favor of the Design-Builder, Architect, Consultants, Contractors, material suppliers, or other persons or entities entitled to make a claim by reason of having provided labor, materials and equipment relating to the Work.

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§ 9.4 Certificates for Payment

All applications for payment shall be processed and paid in accordance with the provisions of Chapter 218, Part VII Florida Statutes (“Local Government Prompt Payment Act”).

§ 9.6 Progress Payments and Retainage

§ 9.6.1 It is agreed by both Parties hereto to that progress payments and final payment for Work performed will be processed and paid in accordance with the Local Government Prompt Payment Act, Part VII of Chapter 218, Florida Statutes.

It is agreed that five percent (5%) of the amount earned through each progress payment shall be withheld by the Owner. The retainage shall be paid to Design-Builder within thirty (30) days of Substantial Completion of the Work as defined herein, or if not defined upon reaching beneficial occupancy or use, Design-Builder and Owner will develop a list (the “List”) of items required to achieve final completion of the Work. Design-Builder will provide a first draft of the List within fifteen (15) days of notice of Substantial Completion. The Owner will notify Design-Builder of acceptance or of any changes requested within ten (10) days of receipt of the draft List. The failure to include on the

List any corrective work or pending items not yet completed does not alter, waive or release Design-Builder of its responsibility to complete such corrective work, pending items, or any other Work pursuant to the Agreement. Upon completion of all items on the List, Design-Builder may apply for Final Payment for all remaining retainage withheld by the Owner. If a good faith dispute exists as to whether one or more items identified on the List have been completed pursuant to this Agreement, the Owner may continue to withhold an amount equal to one hundred and fifty percent (150%) of the total cost to complete such items until Design-Builder has rendered complete, satisfactory and acceptable to the Owner such items. All items that require correction under the Agreement and that are identified after the preparation and delivery of the List remain the obligation of Design-Builder.

The Owner shall not be obligated to make payment to Design-Builder for amounts that are the subject of a good faith dispute, or *(Paragraph Deleted)*

a claim brought pursuant to §255.05, Florida Statutes.

§ 9.6.2 The Design-Builder shall pay each Architect, Consultant, Contractor, and other person or entity providing services or work for the Design-Builder no later than the time period required by applicable law, but in no event more than seven days after receipt of payment from the Owner the amount to which the Architect, Consultant, Contractor, and other person or entity providing services or work for the Design-Builder is entitled, reflecting percentages actually retained from payments to the Design-Builder on account of the portion of the Work performed by the Architect, Consultant, Contractor, or other person or entity. The Design-Builder shall, by appropriate agreement with each Architect, Consultant, Contractor, and other person or entity providing services or work for the Design-Builder, require each Architect, Consultant, Contractor, and other person or entity providing services or work for the Design-Builder to make payments to subconsultants and subcontractors in a similar manner.

§ 9.6.3 The Owner will, on request and if practicable, furnish to the Architect, a Consultant, Contractor, or other person or entity providing services or work for the Design-Builder, information regarding percentages of completion or amounts applied for by the Design-Builder and action taken thereon by the Owner on account of portions of the Work done by such Architect, Consultant, Contractor or other person or entity providing services or work for the Design-Builder.

§ 9.6.4 The Owner has the right to request written evidence from the Design-Builder that the Design-Builder has properly paid the Architect, Consultants, Contractors, or other person or entity providing services or work for the Design-Builder, amounts paid by the Owner to the Design-Builder for the Work. If the Design-Builder fails to furnish such evidence within seven days, the Owner shall have the right to contact the Architect, Consultants, and Contractors to ascertain whether they have been properly paid. The Owner shall have no obligation to pay or to see to the payment of money to a Consultant or Contractor, except as may otherwise be required by law.

§ 9.6.5 Design-Builder payments to material and equipment suppliers shall be treated in a manner similar to that provided in Sections 9.6.2, 9.6.3 and 9.6.4.

§ 9.6.6 A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance of Work not in accordance with the Design-Build Documents.

§ 9.6.7 Unless the Design-Builder provides the Owner with a payment bond in the full penal sum of the Contract Sum, payments received by the Design-Builder for Work properly performed by the Architect, Consultants, Contractors and other person or entity providing services or work for the Design-Builder, shall be held by the Design-Builder for the Architect and those Consultants, Contractors, or other person or entity providing services or work for the Design-Builder, for which payment was made by the Owner. Nothing contained herein shall require money to be placed in a separate account and not commingled with money of the Design-Builder, shall create any fiduciary liability or tort liability on the part of the Design-Builder for breach of trust or shall entitle any person or entity to an award of punitive damages against the Design-Builder for breach of the requirements of this provision.

§ 9.7 Failure of Payment

If the Owner does not issue a Certificate for Payment within the time period provided by Chapter 218, Part VII, Florida Statutes (the "Local Government Prompt Payment Act"), the Design-Builder may, upon seven additional days' written notice to the Owner, stop the Work until payment of the amount owing has been received. The Contract Time shall be extended appropriately, and the Contract Sum shall be increased by the amount of the Design-Builder's reasonable costs of shut-down, delay and start-up, plus interest as provided for in the Design-Build Documents.

§ 9.8 Substantial Completion

§ 9.8.1 Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Design-Build Documents so that the Owner can occupy or utilize the Work for its intended or constructive use. The date of Substantial Completion is the date certified by the Owner in accordance with this Section 9.8.

§ 9.8.2 When the Design-Builder considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Design-Builder shall prepare and submit to the Owner a comprehensive list of items to be completed or corrected prior to final payment. Failure to include an item on such list does not alter the responsibility of the Design-Builder to complete all Work in accordance with the Design-Build Documents.

§ 9.8.3 Upon receipt of the Design-Builder's list, the Owner shall make an inspection to determine whether the Work or designated portion thereof is substantially complete. If the Owner's inspection discloses any item, whether or not included on the Design-Builder's list, which is not sufficiently complete in accordance with the Design-Build Documents so that the Owner can occupy or utilize the Work or designated portion thereof for its intended use, the Design-Builder shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon notification by the Owner. In such case, the Design-Builder shall then submit a request for another inspection by the Owner to determine Substantial Completion.

§ 9.8.4 Prior to issuance of the Certificate of Substantial Completion under Section 9.8.5, the Owner and Design-Builder shall discuss and then determine the parties' obligations to obtain and maintain property insurance following issuance of the Certificate of Substantial Completion.

§ 9.8.5 When the Work or designated portion thereof is substantially complete, the Design-Builder will prepare for the Owner's signature a Certificate of Substantial Completion that shall, upon the Owner's signature, establish the date of Substantial Completion; establish responsibilities of the Owner and Design-Builder for security, maintenance, heat, utilities, damage to the Work and insurance; and fix the time within which the Design-Builder shall finish all items on the list accompanying the Certificate. Warranties required by the Design-Build Documents shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion.

§ 9.8.6 The Certificate of Substantial Completion shall be submitted by the Design-Builder to the Owner for written acceptance of responsibilities assigned to it in the Certificate. Upon the Owner's acceptance, and consent of surety,

if any, the Owner shall make payment of retainage applying to the Work or designated portion thereof. Payment shall be adjusted for Work that is incomplete or not in accordance with the requirements of the Design-Build Documents.

§ 9.9 Partial Occupancy or Use

§ 9.9.1 The Owner may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement with the Design-Builder, provided such occupancy or use is consented to, by endorsement or otherwise, by the insurer providing property insurance and authorized by public authorities having jurisdiction over the Project. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Owner and Design-Builder have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Design-Build Documents. When the Design-Builder considers a portion substantially complete, the Design-Builder shall prepare and submit a list to the Owner as provided under Section 9.8.2. Consent of the Design-Builder to partial occupancy or use shall not be unreasonably withheld. The stage of the progress of the Work shall be determined by written agreement between the Owner and Design-Builder.

§ 9.9.2 Immediately prior to such partial occupancy or use, the Owner and Design-Builder shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

§ 9.9.3 Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Design-Build Documents; notwithstanding the foregoing, such partial occupancy shall conclusively constitute the commencement of any warranty period(s) (including, without limitation, Section 11.2 hereinbelow) and the tolling of any liquidated damage(s).

§ 9.10 Final Completion and Final Payment

§ 9.10.1 Release of Claims. It is agreed that when all Work contemplated by this Agreement has been completed and has been inspected and approved by the Owner or the Owner's authorized representatives, Design-Builder shall furnish to the Owner the Contractor's Final Payment Affidavit in the form provided in Exhibit L, attached hereto.

The Design-Builder shall also provide a Waiver of Right Against Payment Bond from every subcontractor, material man and supplier that has provided services or materials to the Project in the form provided in Exhibit M or on a form acceptable to the Owner.

§ 9.10.2 Neither final payment nor any remaining retained percentage shall become due until the Design-Builder submits to the Owner (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work, for which the Owner or the Owner's property might be responsible or encumbered, (less amounts withheld by Owner) have been paid or otherwise satisfied in the form provided in Exhibit L, (2) a certificate evidencing that insurance required by the Design-Build Documents to remain in force after final payment is currently in effect, (3) a written statement that the Design-Builder knows of no substantial reason that the insurance will not be renewable to cover the period required by the Design-Build Documents, (4) consent of surety, if any, to final payment, (5) as-constructed record copy of the Construction Documents marked to indicate field changes and selections made during construction, (6) manufacturer's warranties, product data, and maintenance and operations manuals, and (7) if reasonably required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts, or Waiver of Right Against Payment Bond from every subcontractor, material man and supplier that has provided services or materials to the Project in the form provided in Exhibit M or on a form acceptable to the Owner, arising out of the Contract, to the extent as may be designated by the Owner and in such form as attached as exhibits hereto. If an Architect, a Consultant, or a Contractor, or other person or entity providing services or work for the Design-Builder, refuses to furnish a conditional statutory release or waiver required by the Owner, the Design-Builder may furnish a bond satisfactory to the Owner to indemnify the Owner against such liens, claims, security interests, or encumbrances. If such liens, claims, security interests, or encumbrances remains unsatisfied after payments are made, the Design-Builder shall refund to the Owner all money that the Owner may be compelled to pay in discharging such liens, claims, security interests, or encumbrances, including all costs and reasonable attorneys' fees.

§ 9.10.3 If, after Substantial Completion of the Work, final completion thereof is materially delayed to the extent through no fault of the Design-Builder or by issuance of Change Orders affecting final completion, the Owner shall,

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upon application by the Design-Builder, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance for Work not fully completed or corrected is less than retainage stipulated in the Design-Build Documents, and if bonds have been furnished, the written consent of surety to payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the Design-Builder to the Owner prior to issuance of payment. Such payment shall be made under terms and conditions governing final payment, except that it shall not constitute a waiver of claims.

§ 9.10.4 The making of final payment shall constitute a waiver of Claims by the Owner except those arising from

- .1 liens, Claims, security interests or encumbrances arising out of the Contract and unsettled;
- .2 failure of the Work to comply with the requirements of the Design-Build Documents; or
- .3 terms of special warranties required by the Design-Build Documents.

§ 9.10.5 Acceptance of final payment by the Design-Builder shall constitute a waiver of claims by the Design-Builder except those previously made in writing and identified by the Design-Builder as unsettled at the time of final Application for Payment.

ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY

§ 10.1 Safety Precautions and Programs

The Design-Builder shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the Contract.

§ 10.2 Safety of Persons and Property

§ 10.2.1 The Design-Builder shall be responsible for precautions for the safety of, and reasonable protection to prevent damage, injury or loss to

- .1 employees on the Work and other persons who may be affected thereby;
- .2 the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody or control of the Design-Builder or the Architect, Consultants, or Contractors, or other person or entity providing services or work for the Design-Builder; and
- .3 other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, or structures and utilities not designated for removal, relocation or replacement in the course of construction.

§ 10.2.2 The Design-Builder shall comply with, and give notices required by, applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities, bearing on safety of persons or property, or their protection from damage, injury or loss.

§ 10.2.3 The Design-Builder shall implement, erect, and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations, and notify owners and users of adjacent sites and utilities of the safeguards and protections.

§ 10.2.4 When use or storage of explosives or other hazardous materials or equipment, or unusual methods, are necessary for execution of the Work, the Design-Builder shall exercise utmost care, and carry on such activities under supervision of properly qualified personnel.

§ 10.2.5 The Design-Builder shall promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Design-Build Documents) to property referred to in Sections 10.2.1.2 and 10.2.1.3, caused in whole or in part by the Design-Builder, the Architect, a Consultant, a Contractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Design-Builder is responsible under Sections 10.2.1.2 and 10.2.1.3; except damage or loss attributable to acts or omissions of the Owner, or anyone directly or indirectly employed by the Owner, or by anyone for whose acts the Owner may be liable, and not attributable to the fault or negligence of the Design-Builder. The foregoing obligations of the Design-Builder are in addition to the Design-Builder's obligations under Section 3.1.14.

§ 10.2.6 The Design-Builder shall designate a responsible member of the Design-Builder's organization, at the site, whose duty shall be the prevention of accidents. This person shall be the Design-Builder's superintendent unless otherwise designated by the Design-Builder in writing to the Owner.

§ 10.2.7 The Design-Builder shall not permit any part of the construction or site to be loaded so as to cause damage or create an unsafe condition.

§ 10.2.8 Injury or Damage to Person or Property. If the Owner or Design-Builder suffers injury or damage to person or property because of an act or omission of the other, or of others for whose acts such party is legally responsible, written notice of the injury or damage, whether or not insured, shall be given to the other party within a reasonable time not exceeding one (1) calendar month after discovery. The notice shall provide sufficient detail to enable the other party to investigate the matter.

§ 10.3 Hazardous Materials

§ 10.3.1 The Design-Builder is responsible for compliance with any requirements included in the Design-Build Documents regarding hazardous materials. If the Design-Builder encounters a hazardous material or substance not addressed in the Design-Build Documents and if reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the site by the Design-Builder, the Design-Builder shall, upon recognizing the condition, immediately stop Work in the affected area and report the condition to the Owner in writing.

§ 10.3.2 Upon receipt of the Design-Builder's written notice, the Owner shall obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported by the Design-Builder and, in the event such material or substance is found to be present, to cause it to be rendered harmless. Unless otherwise required by the Design-Build Documents, the Owner shall furnish in writing to the Design-Builder the names and qualifications of persons or entities who are to perform tests verifying the presence or absence of such material or substance or who are to perform the task of removal or safe containment of such material or substance. The Design-Builder will promptly reply to the Owner in writing stating whether or not the Design-Builder has reasonable objection to the persons or entities proposed by the Owner. If the Design-Builder has an objection to a person or entity proposed by the Owner, the Owner shall propose another to whom the Design-Builder has no reasonable objection. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the Owner and Design-Builder. By Change Order, the Contract Time shall be extended appropriately, and the Contract Sum shall be increased in the amount of the Design-Builder's reasonable additional costs of shut-down, delay and start-up.

§ 10.3.3 To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Design-Builder, the Architect, Consultants, and Contractors, and employees of any of them, from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work in the affected area, if in fact the material or substance presents the risk of bodily injury or death as described in Section 10.3.1 and has not been rendered harmless, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to, or destruction of, tangible property (other than the Work itself), except to the extent that such damage, loss or expense is due to the fault or negligence of the party seeking indemnity.

§ 10.3.4 The Owner shall not be responsible under this Section 10.3 for materials or substances the Design-Builder brings to the site unless such materials or substances are required by the Owner's Criteria. The Owner shall be responsible for materials or substances required by the Owner's Criteria, except to the extent of the Design-Builder's fault or negligence in the use and handling of such materials or substances.

§ 10.3.5 The Design-Builder shall indemnify the Owner for the cost and expense the Owner incurs (1) for remediation of a material or substance the Design-Builder brings to the site and negligently handles, or (2) where the Design-Builder fails to perform its obligations under Section 10.3.1, except to the extent that the cost and expense are due to the Owner's fault or negligence.

§ 10.3.6 If, without negligence on the part of the Design-Builder, the Design-Builder is held liable by a government agency for the cost of remediation of a hazardous material or substance solely by reason of performing Work as

required by the Design-Build Documents, the Owner shall indemnify the Design-Builder for all cost and expense thereby incurred.

§ 10.4 Emergencies

In an emergency affecting safety of persons or property, the Design-Builder shall act, at the Design-Builder's discretion, to prevent threatened damage, injury or loss.



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ARTICLE 11 UNCOVERING AND CORRECTION OF WORK

§ 11.1 Uncovering of Work

The Owner may request to examine a portion of the Work that the Design-Builder has covered to determine if the Work has been performed in accordance with the Design-Build Documents. If such Work is in accordance with the Design-Build Documents, the Owner and Design-Builder shall execute a Change Order to adjust the Contract Time and Contract Sum, as appropriate. If such Work is not in accordance with the Design-Build Documents, the costs of uncovering and correcting the Work shall be at the Design-Builder's expense and the Design-Builder shall not be entitled to a change in the Contract Time unless the condition was caused by the Owner or a separate contractor in which event the Owner shall be responsible for payment of such costs and the Contract Time will be adjusted as appropriate.

§ 11.2 Correction of Work

§ 11.2.1 Before or After Substantial Completion. The Design-Builder shall promptly correct Work rejected by the Owner or failing to conform to the requirements of the Design-Build Documents, whether discovered before or after Substantial Completion and whether or not fabricated, installed or completed. Costs of correcting such rejected Work, including additional testing and inspections, the cost of uncovering and replacement, and compensation for any design consultant employed by the Owner whose expenses and compensation were made necessary thereby, shall be at the Design-Builder's expense.

§ 11.2.2 After Substantial Completion

§ 11.2.2.1 In addition to the Design-Builder's obligations under Section 3.1.12, if, within one year after the date of Substantial Completion of the Work or designated portion thereof or after the date for commencement of warranties established under Section 9.9.1, or by terms of an applicable special warranty required by the Design-Build Documents, any of the Work is found not to be in accordance with the requirements of the Design-Build Documents, the Design-Builder shall correct it promptly after receipt of written notice from the Owner to do so unless the Owner has previously given the Design-Builder a written acceptance of such condition. The Owner shall give such notice promptly after discovery of the condition. During the one-year period for correction of the Work, if the Owner fails to notify the Design-Builder and give the Design-Builder an opportunity to make the correction, the Owner waives the rights to require correction by the Design-Builder and to make a claim for breach of warranty. If the Design-Builder fails to correct nonconforming Work within a reasonable time during that period after receipt of notice from the Owner, the Owner may correct it in accordance with Section 7.9.

§ 11.2.2.2 The one-year period for correction of Work shall be extended with respect to portions of Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual completion of that portion of the Work.

§ 11.2.2.3 The one-year period for correction of Work shall not be extended by corrective Work performed by the Design-Builder pursuant to this Section 11.2.

§ 11.2.3 The Design-Builder shall remove from the site portions of the Work that are not in accordance with the requirements of the Design-Build Documents and are neither corrected by the Design-Builder nor accepted by the Owner.

§ 11.2.4 The Design-Builder shall bear the cost of correcting destroyed or damaged construction of the Owner or separate contractors, whether completed or partially completed, caused by the Design-Builder's correction or removal of Work that is not in accordance with the requirements of the Design-Build Documents.

§ 11.2.5 Nothing contained in this Section 11.2 shall be construed to establish a period of limitation with respect to other obligations the Design-Builder has under the Design-Build Documents. Establishment of the one-year period for correction of Work as described in Section 11.2.2 relates only to the specific obligation of the Design-Builder to correct the Work, and has no relationship to the time within which the obligation to comply with the Design-Build Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Design-Builder's liability with respect to the Design-Builder's obligations other than specifically to correct the Work.

§ 11.3 Acceptance of Nonconforming Work

If the Owner prefers to accept Work that is not in accordance with the requirements of the Design-Build Documents, the Owner may do so instead of requiring its removal and correction, in which case the Contract Sum will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

ARTICLE 12 COPYRIGHTS AND LICENSES

§ 12.1 Drawings, specifications, and other documents furnished by the Design-Builder, including those in electronic form, are Instruments of Service. The Design-Builder, and the Architect, Consultants, Contractors, and any other person or entity providing services or work for any of them, shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and shall retain all common law, statutory and other reserved rights, including copyrights. Submission or distribution of Instruments of Service to meet official regulatory requirements, or for similar purposes in connection with the Project, is not to be construed as publication in derogation of the reserved rights of the Design-Builder and the Architect, Consultants, and Contractors, and any other person or entity providing services or work for any of them.

§ 12.2 The Design-Builder and the Owner warrant that in transmitting Instruments of Service, or any other information, the transmitting party is the copyright owner of such information or has permission from the copyright owner to transmit such information for its use on the Project.

§ 12.3 Upon execution of the Agreement, the Design-Builder grants to the Owner a limited, irrevocable and non-exclusive license to use the Instruments of Service solely and exclusively for purposes of constructing, using, maintaining, altering and adding to the Project, provided that the Owner substantially performs its obligations, including prompt payment of all sums when due, under the Design-Build Documents. The license granted under this section permits the Owner to authorize its consultants and separate contractors to reproduce applicable portions of the Instruments of Service solely and exclusively for use in performing services or construction for the Project. If the Design-Builder rightfully terminates this Agreement for cause as provided in Section 13.1.4 or 13.2.1 the license granted in this Section 12.3 shall terminate.

§ 12.3.1 The Design-Builder shall obtain non-exclusive licenses from the Architect, Consultants, and Contractors, that will allow the Design-Builder to satisfy its obligations to the Owner under this Article 12. The Design-Builder's licenses from the Architect and its Consultants and Contractors shall also allow the Owner, in the event this Agreement is terminated for any reason other than the default of the Owner or in the event the Design-Builder's Architect, Consultants, or Contractors terminate their agreements with the Design-Builder for cause, to obtain a limited, irrevocable and non-exclusive license solely and exclusively for purposes of constructing, using, maintaining, altering and adding to the Project, provided that the Owner (1) agrees to pay to the Architect, Consultant or Contractor all amounts due, and (2) provide the Architect, Consultant or Contractor with the Owner's written agreement to indemnify and hold harmless the Architect, Consultant or Contractor from all costs and expenses, including the cost of defense, related to claims and causes of action asserted by any third person or entity to the extent such costs and expenses arise from the Owner's alteration or use of the Instruments of Service.

§ 12.3.2 In the event the Owner alters the Instruments of Service without the author's written authorization or uses the Instruments of Service without retaining the authors of the Instruments of Service, the Owner releases the Design-Builder, Architect, Consultants, Contractors and any other person or entity providing services or work for any of them, from all claims and causes of action arising from or related to such uses. The Owner, to the extent permitted by law, further agrees to indemnify and hold harmless the Design-Builder, Architect, Consultants, Contractors and any other person or entity providing services or work for any of them, from all costs and expenses, including the cost of defense, related to claims and causes of action asserted by any third person or entity to the extent such costs and expenses arise from the Owner's alteration or use of the Instruments of Service under this Section 12.3.2. The terms of this Section 12.3.2 shall not apply if the Owner rightfully terminates this Agreement for cause under Sections 13.1.4 or 13.2.2.

§ 12.4 "Of Record" Status.

Init.

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User Notes:

(3B9ADA40)

Notwithstanding anything to the contrary, Design-Builder and Design-Builder's lower-tiered entities shall not be obligated to engage or perform as Architect-of-Record, Engineer-of-Record or other "of-Record" status except when Design-Builder performs the Work.

ARTICLE 13 TERMINATION OR SUSPENSION

§ 13.1 Termination or Suspension Prior to Execution of the Design-Build Amendment

§ 13.1.1 If the Owner fails to make payments to the Design-Builder for Work prior to execution of the Design-Build Amendment in accordance with this Agreement, such failure shall be considered substantial nonperformance and cause for termination or, at the Design-Builder's option, cause for suspension of performance of services under this Agreement. If the Design-Builder elects to suspend the Work, the Design-Builder shall give seven days' written notice to the Owner before suspending the Work. In the event of a suspension of the Work, the Design-Builder shall have no liability to the Owner for delay or damage caused by the suspension of the Work. Before resuming the Work, the Design-Builder shall be paid all sums due prior to suspension and any expenses incurred in the interruption and resumption of the Design-Builder's Work. The Design-Builder's compensation for, and time to complete, the remaining Work shall be equitably adjusted.

§ 13.1.2 If the Owner suspends the Project, the Design-Builder shall be compensated for the Work performed prior to notice of such suspension. When the Project is resumed, the Design-Builder shall be compensated for expenses incurred in the interruption and resumption of the Design-Builder's Work. The Design-Builder's compensation for, and time to complete, the remaining Work shall be equitably adjusted.

§ 13.1.3 If the Owner suspends the Project for more than 90 cumulative days for reasons other than the fault of the Design-Builder, the Design-Builder may terminate this Agreement by giving not less than seven days' written notice.

§ 13.1.4 Either party may terminate this Agreement upon not less than seven days' written notice should the other party fail substantially to perform in accordance with the terms of this Agreement through no fault of the party initiating the termination.

§ 13.1.5 The Owner may terminate this Agreement upon not less than seven days' written notice to the Design-Builder for the Owner's convenience and without cause.

§ 13.1.6 In the event of termination not the sole fault of the Design-Builder, the Design-Builder shall be compensated for Work performed prior to termination, together with Reimbursable Expenses then due and any other expenses directly attributable to termination for which the Design-Builder is not otherwise compensated. In no event shall the Design-Builder's compensation under this Section 13.1.6 be greater than the compensation set forth in Section 2.1.

§ 13.2 Termination or Suspension Following Execution of the Design-Build Amendment

§ 13.2.1 Termination by the Design-Builder

§ 13.2.1.1 The Design-Builder may terminate the Contract if the Work is stopped for a period of 30 consecutive days through no act or fault of the Design-Builder, the Architect, a Consultant, or a Contractor, or their agents or employees, or any other persons or entities performing portions of the Work under direct or indirect contract with the Design-Builder, for any of the following reasons:

1. Issuance of an order of a court or other public authority having jurisdiction that requires all Work to be stopped;
2. An act of government, such as a declaration of national emergency that requires all Work to be stopped;
3. Because the Owner has not issued a Certificate for Payment and has not notified the Design-Builder of the reason for withholding certification as provided in Section 9.5.1, or because the Owner has not made payment on a Certificate for Payment within the time stated in the Design-Build Documents; or
4. The Owner has failed to furnish to the Design-Builder promptly, upon the Design-Builder's request, reasonable evidence as required by Section 7.2.7.

§ 13.2.1.2 The Design-Builder may terminate the Contract if, through no act or fault of the Design-Builder, the Architect, a Consultant, a Contractor, or their agents or employees or any other persons or entities performing portions of the Work under direct or indirect contract with the Design-Builder, repeated suspensions, delays or

interruptions of the entire Work by the Owner as described in Section 13.2.3 constitute in the aggregate more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365-day period, whichever is less.

§ 13.2.1.3 If one of the reasons described in Section 13.2.1.1 or 13.2.1.2 exists, the Design-Builder may, upon seven days' written notice to the Owner, terminate the Contract and recover from the Owner payment for Work executed, including reasonable overhead and profit, costs incurred by reason of such termination, and damages.

§ 13.2.1.4 If the Work is stopped for a period of 60 consecutive days through no act or fault of the Design-Builder or any other persons or entities performing portions of the Work under contract with the Design-Builder because the Owner has repeatedly failed to fulfill the Owner's obligations under the Design-Build Documents with respect to matters important to the progress of the Work, the Design-Builder may, upon seven additional days' written notice to the Owner, terminate the Contract and recover from the Owner as provided in Section 13.2.1.3.

§ 13.2.2 Termination by the Owner For Cause

§ 13.2.2.1 The Owner may terminate the Contract if the Design-Builder

- .1 fails to submit the Proposal by the date required by this Agreement, or if no date is indicated, within a reasonable time consistent with the date of Substantial Completion;
- .2 repeatedly refuses or fails to supply an Architect, or enough properly skilled Consultants, Contractors, or workers or proper materials;
- .3 fails to make payment to the Architect, Consultants, or Contractors for services, materials or labor in accordance with their respective agreements with the Design-Builder;
- .4 repeatedly disregards applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of a public authority; or
- .5 is otherwise guilty of substantial breach of a provision of the Design-Build Documents.

§ 13.2.2.2 When any of the above reasons exist, the Owner may without prejudice to any other rights or remedies of the Owner and after giving the Design-Builder and the Design-Builder's surety, if any, seven days' written notice and seven (7) additional days' opportunity to commence to cure, terminate employment of the Design-Builder and may, subject to any prior rights of the surety:

- .1 Exclude the Design-Builder from the site and take possession of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Design-Builder;
- .2 Accept assignment of the Architect, Consultant and Contractor agreements pursuant to Section 3.1.15; and
- .3 Finish the Work by whatever reasonable method the Owner may deem expedient. Upon written request of the Design-Builder, the Owner shall furnish to the Design-Builder a detailed accounting of the costs incurred by the Owner in finishing the Work.

§ 13.2.2.3 When the Owner terminates the Contract for one of the reasons stated in Section 13.2.2.1, the Design-Builder shall not be entitled to receive further payment until the Work is finished.

§ 13.2.2.4 If the unpaid balance of the Contract Sum exceeds costs of finishing the Work and other damages incurred by the Owner and not expressly waived, such excess shall be paid to the Design-Builder. If such costs and damages exceed the unpaid balance, the Design-Builder shall pay the difference to the Owner. The obligation for such payments shall survive termination of the Contract.

§ 13.2.3 Suspension by the Owner for Convenience

§ 13.2.3.1 The Owner may, without cause, order the Design-Builder in writing to suspend, delay or interrupt the Work in whole or in part for such period of time as the Owner may determine.

§ 13.2.3.2 The Contract Sum and Contract Time shall be adjusted in a mutually agreeable sum and duration for increases in the cost and time caused by suspension, delay or interruption as described in Section 13.2.3.1.

Adjustment of the Contract Sum shall include overhead, and profit as identified in Section 6.3.11 hereinabove. No adjustment shall be made to the extent

- .1 that performance is, was or would have been so suspended, delayed or interrupted by another cause for which the Design-Builder is responsible; or
- .2 that an equitable adjustment is made or denied under another provision of the Contract.

§ 13.2.4 Termination by the Owner for Convenience

§ 13.2.4.1 The Owner may, at any time, terminate the Contract for the Owner’s convenience and without cause.

§ 13.2.4.2 Upon receipt of written notice from the Owner of such termination for the Owner’s convenience, the Design-Builder shall

- .1 cease operations as directed by the Owner in the notice;
- .2 take actions necessary, or that the Owner may direct, for the protection and preservation of the Work; and,
- .3 except for Work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing Project agreements, including agreements with the Architect, Consultants, Contractors, and purchase orders, and enter into no further Project agreements and purchase orders.

§ 13.2.4.3 In case of such termination for the Owner’s convenience, the Design-Builder shall be entitled to receive payment for Work executed, payment for stored materials and costs incurred by reason of such termination, along with reasonable overhead and profit on the Work not executed.

ARTICLE 14 CLAIMS AND DISPUTE RESOLUTION

§ 14.1 Claims

§ 14.1.1 Definition. A Claim is a demand or assertion by one of the parties seeking, as a matter of right, payment of money, or other relief with respect to the terms of the Contract. The term “Claim” also includes other disputes and matters in question between the Owner and Design-Builder arising out of or relating to the Contract. The responsibility to substantiate Claims shall rest with the party making the Claim.

§ 14.1.2 Time Limits on Claims. The Owner and Design-Builder shall commence all claims and causes of action, whether in contract, tort, breach of warranty or otherwise, against the other, arising out of or related to the Contract in accordance with the requirements of the binding dispute resolution method selected in Section 1.3, within the time period specified by applicable law, but in any case not more than 10 years after the date of Substantial Completion of the Work. The Owner and Design-Builder waive all claims and causes of action not commenced in accordance with this Section 14.1.2.

§ 14.1.3 Notice of Claims

§ 14.1.3.1 Prior To Final Payment. Prior to Final Payment, Claims by either the Owner or Design-Builder must be initiated by written notice to the other party within 21 days after occurrence of the event giving rise to such Claim or within 21 days after the claimant first recognizes the condition giving rise to the Claim, whichever is later.

§ 14.1.3.2 Claims Arising After Final Payment. After Final Payment, Claims by either the Owner or Design-Builder that have not otherwise been waived pursuant to Sections 9.10.4 or 9.10.5, must be initiated by prompt written notice to the other party. The notice requirement in Section 14.1.3.1 and the Initial Decision requirement as a condition precedent to mediation in Section 14.2.1 shall not apply.

§ 14.1.4 Continuing Contract Performance. Pending final resolution of a Claim, except as otherwise agreed in writing or as provided in Section 9.7 and Article 13, the Design-Builder shall proceed diligently with performance of the Contract and the Owner shall continue to make payments in accordance with the Design-Build Documents.

§ 14.1.5 Claims for Additional Cost. If the Design-Builder intends to make a Claim for an increase in the Contract Sum, written notice as provided herein shall be given before proceeding to execute the portion of the Work that relates to the Claim. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 10.4.

§ 14.1.6 Claims for Additional Time

§ 14.1.6.1 If the Design-Builder intends to make a Claim for an increase in the Contract Time, written notice as provided herein shall be given. The Design-Builder’s Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary.

§ 14.1.6.2 If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were adverse and had an adverse effect on the scheduled construction. **Adverse weather**, as used herein, shall also include those days where a cumulative precipitation in excess of one-half of an inch (0.5”) has accumulated in one twenty-four (24) hour period, and any drying or flooding time resulting thereby. Should Design-Builder be delayed due to inclement weather in excess of those days normally experienced in the Project’s geographical location (as determined by records from the National Oceanic and Atmospheric Administration), Design-Builder shall be afforded a mutually agreeable change order in no less than a day-for-day basis.

§ 14.1.7 Claims for Consequential Damages

The Design-Builder and Owner waive Claims against each other for consequential damages arising out of or relating to this Contract. This mutual waiver includes, without limitation:

- .1 damages incurred by the Owner for rental expenses, for losses of use, income, profit, financing, business and reputation, and for loss of management or employee productivity or of the services of such persons; and
- .2 damages incurred by the Design-Builder for principal office expenses including the compensation of personnel stationed there, for losses of financing, business and reputation, and for loss of profit except anticipated profit arising directly from the Work.

This mutual waiver is applicable, without limitation, to all consequential damages due to either party’s termination in accordance with Article 13. Nothing contained in this Section 14.1.7 shall be deemed to preclude an award of liquidated damages, when applicable, in accordance with the requirements of the Design-Build Documents.

§ 14.2 Initial Decision

§ 14.2.1 An initial decision shall be required as a condition precedent to mediation of all Claims between the Owner and Design-Builder initiated prior to the date final payment is due, excluding those arising under Sections 10.3 and 10.4 of the Agreement and Sections B.3.2.9 and B.3.2.10 of Exhibit B to this Agreement, unless 30 days have passed after the Claim has been initiated with no decision having been rendered. Unless otherwise mutually agreed in writing, the Owner shall render the initial decision on Claims.

§ 14.2.2 Procedure

§ 14.2.2.1 Claims Initiated by the Owner. If the Owner initiates a Claim, the Design-Builder shall provide a written response to Owner within ten days after receipt of the notice required under Section 14.1.3.1. Thereafter, the Owner shall render an initial decision within ten days of receiving the Design-Builder’s response: (1) withdrawing the Claim in whole or in part, (2) approving the Claim in whole or in part, or (3) suggesting a compromise.

§ 14.2.2.2 Claims Initiated by the Design-Builder. If the Design-Builder initiates a Claim, the Owner will take one or more of the following actions within ten days after receipt of the notice required under Section 14.1.3.1: (1) request additional supporting data, (2) render an initial decision rejecting the Claim in whole or in part, (3) render an initial decision approving the Claim, (4) suggest a compromise or (5) indicate that it is unable to render an initial decision because the Owner lacks sufficient information to evaluate the merits of the Claim.

§ 14.2.3 In evaluating Claims, the Owner may, but shall not be obligated to, consult with or seek information from persons with special knowledge or expertise who may assist the Owner in rendering a decision. The retention of such persons shall be at the Owner’s expense.

§ 14.2.4 If the Owner requests the Design-Builder to provide a response to a Claim or to furnish additional supporting data, the Design-Builder shall respond, within ten days after receipt of such request, and shall either (1) provide a response on the requested supporting data, (2) advise the Owner when the response or supporting data will be furnished or (3) advise the Owner that no supporting data will be furnished. Upon receipt of the response or supporting data, if any, the Owner will either reject or approve the Claim in whole or in part.

§ 14.2.5 The Owner’s initial decision shall (1) be in writing; (2) state the reasons therefor; and (3) identify any change in the Contract Sum or Contract Time or both. The initial decision shall be final and binding on the parties but subject to mediation and, if the parties fail to resolve their dispute through mediation, to binding dispute resolution.

§ 14.2.6 Either party may file for mediation of an initial decision at any time, subject to the terms of Section 14.2.6.1.

§ 14.2.6.1 Either party may, within 30 days from the date of an initial decision, demand in writing that the other party file for mediation within 60 days of the initial decision. If such a demand is made and the party receiving the demand fails to file for mediation within the time required, then the other party may elect to file for mediation.

§ 14.2.7 In the event of a Claim against the Design-Builder, the Owner may, but is not obligated to, notify the surety, if any, of the nature and amount of the Claim. If the Claim relates to a possibility of a Design-Builder's default, the Owner may, but is not obligated to, notify the surety and request the surety's assistance in resolving the controversy.

§ 14.2.8 If a Claim relates to or is the subject of a mechanic's lien, the party asserting such Claim may proceed in accordance with applicable law to comply with the lien notice or filing deadlines.

§ 14.3 Mediation

§ 14.3.1 Claims, disputes, or other matters in controversy arising out of or related to the Contract, except those waived as provided for in Sections 9.10.4, 9.10.5, and 14.1.7, shall be subject to mediation as a condition precedent to binding dispute resolution.

§ 14.3.2 The parties shall endeavor to resolve their Claims by mediation which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Mediation Procedures in effect on the date of the Agreement. A request for mediation shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the mediation. The request may be made concurrently with the filing of binding dispute resolution proceedings but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order. If an arbitration proceeding is stayed pursuant to this Section 14.3.2, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.

§ 14.3.3 The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction.

The selection of the mediator shall be mutually agreeable to the parties.

§ 14.4 Arbitration

§ 14.4.1 If the parties have selected arbitration as the method for binding dispute resolution in Section 1.3, any Claim subject to, but not resolved by, mediation shall be subject to arbitration which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules in effect on the date of the Agreement. A demand for arbitration shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the arbitration. The party filing a notice of demand for arbitration must assert in the demand all Claims then known to that party on which arbitration is permitted to be demanded.

§ 14.4.1.1 A demand for arbitration shall be made no earlier than concurrently with the filing of a request for mediation, but in no event shall it be made after the date when the institution of legal or equitable proceedings based on the Claim would be barred by the applicable statute of limitations or statute of repose. For statute of limitations or statute of repose purposes, receipt of a written demand for arbitration by the person or entity administering the arbitration shall constitute the institution of legal or equitable proceedings based on the Claim.

§ 14.4.2 The award rendered by the arbitrator or arbitrators shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction.

§ 14.4.3 The foregoing agreement to arbitrate, and other agreements to arbitrate with an additional person or entity duly consented to by parties to the Agreement, shall be specifically enforceable under applicable law in any court having jurisdiction thereof.

§ 14.4.4 Consolidation or Joinder

§ 14.4.4.1 Either party, at its sole discretion, may consolidate an arbitration conducted under this Agreement with any other arbitration to which it is a party provided that (1) the arbitration agreement governing the other arbitration permits consolidation, (2) the arbitrations to be consolidated substantially involve common questions of law or fact, and (3) the arbitrations employ materially similar procedural rules and methods for selecting arbitrator(s).

§ 14.4.4.2 Either party, at its sole discretion, may include by joinder persons or entities substantially involved in a common question of law or fact whose presence is required if complete relief is to be accorded in arbitration, provided that the party sought to be joined consents in writing to such joinder. Consent to arbitration involving an additional person or entity shall not constitute consent to arbitration of any claim, dispute or other matter in question not described in the written consent.

§ 14.4.4.3 The Owner and Design-Builder grant to any person or entity made a party to an arbitration conducted under this Section 14.4, whether by joinder or consolidation, the same rights of joinder and consolidation as the Owner and Design-Builder under this Agreement.

ARTICLE 15 MISCELLANEOUS PROVISIONS

§ 15.1 Governing Law

The Contract shall be governed by the laws of the State of Florida except that, if the parties have selected arbitration as the method of binding dispute resolution, the Federal Arbitration Act shall govern Section 14.4.

§ 15.1.2 Any action to enforce this Agreement shall only be brought in a court of competent jurisdiction within Alachua County, Florida.

§ 15.2 Successors and Assigns

§ 15.2.1 The Owner and Design-Builder, respectively, bind themselves, their partners, successors, assigns and legal representatives to the covenants, agreements and obligations contained in the Design-Build Documents. Except as provided in Section 15.2.2, neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make such an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

§ 15.2.2 The Owner may, without consent of the Design-Builder, assign the Contract to a lender providing construction financing for the Project, if the lender assumes the Owner's rights and obligations under the Design-Build Documents. The Design-Builder shall execute all consents reasonably required to facilitate such assignment.

§ 15.2.3 If the Owner requests the Design-Builder, Architect, Consultants, or Contractors to execute certificates, other than those required by Section 3.1.10, the Owner shall submit the proposed language of such certificates for review at least 14 days prior to the requested dates of execution. If the Owner requests the Design-Builder, Architect, Consultants, or Contractors to execute consents reasonably required to facilitate assignment to a lender, the Design-Builder, Architect, Consultants, or Contractors shall execute all such consents that are consistent with this Agreement, provided the proposed consent is submitted to them for review at least 14 days prior to execution. The Design-Builder, Architect, Consultants, and Contractors shall not be required to execute certificates or consents that would require knowledge, services or responsibilities beyond the scope of their services.

§ 15.3 Written Notice

Written notice shall be deemed to have been duly served if delivered in person to the individual, to a member of the firm or entity, or to an officer of the corporation for which it was intended; or if delivered at, or sent by registered or certified mail or by courier service providing proof of delivery to, the last business address known to the party giving notice or sent via electronic mail with proof of delivery.

§ 15.4 Rights and Remedies

§ 15.4.1 Duties and obligations imposed by the Design-Build Documents, and rights and remedies available thereunder, shall be in addition to and not a limitation of duties, obligations, rights and remedies otherwise imposed or available by law.

§ 15.4.2 No action or failure to act by the Owner or Design-Builder shall constitute a waiver of a right or duty afforded them under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed in writing.

§ 15.5 Tests and Inspections

§ 15.5.1 Tests, inspections and approvals of portions of the Work shall be made as required by the Design-Build Documents and by applicable laws, statutes, ordinances, codes, rules and regulations or lawful orders of public authorities. Unless otherwise provided, the Design-Builder shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to the Owner, or with the appropriate public authority, and shall bear all related costs of tests, inspections and approvals. The Design-Builder shall give the Owner timely notice of when and where tests and inspections are to be made so that the Owner may be present for such procedures. The Owner shall bear costs of (1) tests, inspections or approvals that do not become requirements until after bids are received or negotiations concluded, and (2) tests, inspections or approvals where building codes or applicable laws or regulations prohibit the Owner from delegating their cost to the Design-Builder.

§ 15.5.2 If the Owner determines that portions of the Work require additional testing, inspection or approval not included under Section 15.5.1, the Owner will instruct the Design-Builder to make arrangements for such additional testing, inspection or approval by an entity acceptable to the Owner, and the Design-Builder shall give timely notice to the Owner of when and where tests and inspections are to be made so that the Owner may be present for such procedures. Such costs, except as provided in Section 15.5.3, shall be at the Owner's expense.

§ 15.5.3 If such procedures for testing, inspection or approval under Sections 15.5.1 and 15.5.2 reveal failure of the portions of the Work to comply with requirements established by the Design-Build Documents, all costs made necessary by such failure shall be at the Design-Builder's expense.

§ 15.5.4 Required certificates of testing, inspection or approval shall, unless otherwise required by the Design-Build Documents, be secured by the Design-Builder and promptly delivered to the Owner.

§ 15.5.5 If the Owner is to observe tests, inspections or approvals required by the Design-Build Documents, the Owner will do so promptly and, where practicable, at the normal place of testing.

§ 15.5.6 Tests or inspections conducted pursuant to the Design-Build Documents shall be made promptly to avoid unreasonable delay in the Work.

§ 15.6 Confidential Information

If the Owner or Design-Builder transmits Confidential Information, the transmission of such Confidential Information constitutes a warranty to the party receiving such Confidential Information that the transmitting party is authorized to transmit the Confidential Information. If a party receives Confidential Information, the receiving party shall keep the Confidential Information strictly confidential and shall not disclose it to any other person or entity except as set forth in Section 15.6.1.

§ 15.6.1 A party receiving Confidential Information may disclose the Confidential Information as required by law or court order, including a subpoena or other form of compulsory legal process issued by a court or governmental entity. A party receiving Confidential Information may also disclose the Confidential Information to its employees, consultants or contractors in order to perform services or work solely and exclusively for the Project, provided those employees, consultants and contractors are subject to the restrictions on the disclosure and use of Confidential Information as set forth in this Contract.

§ 15.7 Capitalization

Terms capitalized in the Contract include those that are (1) specifically defined, (2) the titles of numbered articles or (3) the titles of other documents published by the American Institute of Architects.

§ 15.8 Interpretation

§ 15.8.1 In the interest of brevity the Design-Build Documents frequently omit modifying words such as "all" and "any" and articles such as "the" and "an," but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

§ 15.8.2 Unless otherwise stated in the Design-Build Documents, words which have well-known technical, or construction industry meanings are used in the Design-Build Documents in accordance with such recognized meanings.

§ 15.9 Public Records.

In accordance with §119.0701, Florida Statutes, Design-Builder, *when acting on behalf of the County*, shall, as required by Florida law:

1. Keep and maintain public records required by the County to perform the Services.
2. Upon request from the County’s custodian of public records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Florida law or as otherwise provided by law.
3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the term of this Agreement and following completion of the Agreement if Design-Builder does not transfer the records to the County.
4. Upon completion of the Agreement, transfer, at no cost, to the County all public records in possession of Design-Builder or keep and maintain public records required by the County to perform the Services. If Design-Builder transfers all public records to the County upon completion of the Agreement, Design-Builder shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If Design-Builder keeps and maintains public records upon completion of the Agreement, Design-Builder shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the County, upon request from the County’s custodian of public records, in a format that is compatible with the County’s information technology systems.

IF DESIGN-BUILDER HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO DESIGN-BUILDER’S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE COUNTY’S PUBLIC RECORDS CUSTODIAN AT PUBLICRECORDSREQUEST@ALACHUACOUNTY.US OR (352) 264-6906 OR 12 SE 1ST STREET, GAINESVILLE, FL 32601.

If Design-Builder fails to comply with this section, Design-Builder will be deemed in default under this Agreement. The County may enforce as set forth in §119.0701, Florida Statutes. Design-Builder who fails to provide the public records in response to a request within a reasonable time may be subject to penalties imposed under §119.10, Florida Statute, and costs of enforcement, including fees, under §119.0701 and §119.12, Florida Statutes.

Design-Builder will take reasonable measures to protect, secure and maintain any data held by Design-Builder in an electronic form that is or contains exempt, confidential, personal information or protected information, as defined by Florida or federal law, related to or in connection with performance of the Services. If Design-Builder suspects or becomes aware of a security breach or unauthorized access to such data by a third party, Design-Builder shall immediately notify the County in writing and will work, at Design-Builder’s expense, to prevent or stop the data breach.

§ 15.10 Confidential Information.

During the term of this Agreement, Design-Builder may claim that some of Design-Builder’s information, including, but not limited to, software documentation, manuals, written methodologies and processes, pricing, discounts, or other considerations (hereafter collectively referred to as “Confidential Information”), is, or has been treated as confidential and proprietary by Design-Builder in accordance with §812.081, Florida Statutes, or other law, and is exempt from disclosure under the Florida’s public record laws. Design-Builder shall clearly identify and mark Confidential Information as “Confidential Information” or “CI” and the County shall use reasonable efforts to maintain the confidentiality of the Confidential Information that is clearly identified by Design-Builder. County will promptly notify Design-Builder in writing if the County receives a request for disclosure of Design-Builder’s Confidential Information. Design-Builder may assert any exemption from disclosure available under applicable law or seek a protective order against disclosure from a court of competent jurisdiction. Design-Builder shall protect, defend, indemnify, and hold harmless Alachua County and its commissioners, officers and employees from and against any claims, actions and judgments arising out of a request for disclosure of Confidential Information or

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relating to violation or infringement of trademark, copyright patent, trade secret or intellectual property right; however, the foregoing obligation shall not apply to County's misuse or modification of Design-Builder's Confidential Information in a manner not contemplated by this Agreement. Design-Builder shall investigate, handle, respond to, and defend, at Design-Builder's sole cost and expense, any such claim, even if any such claim is groundless, false, or fraudulent. Design-Builder shall pay for all costs and expenses related to such claim, including, but not limited to, payment of attorneys' fees, costs and expenses. If Design-Builder is not reasonably able to modify or otherwise secure for the County the right to continue using the good or product, Design-Builder shall remove the product and refund the County the amounts paid in excess of a reasonable rental for past use. Upon completion of this Agreement, the provisions of this paragraph shall continue to survive. Design-Builder releases the County from claims or damages related to disclosure by the County.

§ 15.11 Laws and Regulations.

Design-Builder will comply with all federal, state, and local laws, ordinances, regulations, rules and code requirements applicable to the work required by this Agreement in place at the time of the execution hereof; Design-Builder shall be afforded a change order for compensation and time if required to comply with any newly enacted federal, state, and local laws, ordinances, regulations, rules and code requirements. Design-Builder is presumed to be familiar with all laws, ordinances, regulations, and rules that may in any way affect the work outlined in this Agreement. If Design-Builder is not familiar with laws, ordinances, rules and regulations, Design-Builder remains liable for any violation and all subsequent damages, penalties, or fines.

§ 15.12 Governing Law and Venue.

The laws of the State of Florida shall govern this Agreement, and the duties and obligations stated within this Agreement. Sole and exclusive venue for all actions arising under this Agreement shall be in a court of competent jurisdiction in and for Alachua County, Florida.

§ 15.13 Amendment and Assignment.

The Parties may only modify or amend this Agreement by a mutual written agreement of the Parties. Neither Party will assign or transfer any interest in this Agreement without prior written consent of the other Party. The County and Design-Builder each bind the other and their respective successors and assigns in all respects to all of the terms, conditions, covenants, and provisions of this Agreement.

§ 15.14 Additional Services.

Additional services not specifically identified in this Agreement may be added to the Agreement upon execution of a written amendment by the Parties.

§ 15.15 Third Party Beneficiaries. This Agreement does not create any relationship with, or any rights in favor of, any third party.

§ 15.16 Independent Contractor.

In the performance of this Agreement, Design-Builder is acting in the capacity of an independent contractor and not as an agent, employee, partner, joint venturer, or associate of the County. Design-Builder is solely responsible for the means, method, technique, sequence, and procedure utilized by Design-Builder in the full performance of the Services referenced in this Agreement.

§ 15.17 E-Verify.

Pursuant to F.S. sec. 448.095, Design-Builder shall register with and use the U.S. Department of Homeland Security's E-Verify system to verify the work authorization status of all new employees of the Design-Builder during the term of the Agreement. Design-Builder shall contractually require any subcontractors performing work or providing Services under this Agreement to register and use the U.S. Department of Homeland Security's E-Verify system to verify the work authorization status of all new employees of the subcontractor during the term of this Agreement, and otherwise comply with Florida law. The E-Verify system is located at <https://www.uscis.gov/E-Verify>. Failure to comply with this section is grounds for termination of the contract with the defaulting entity; and such defaulting entity (a) may not be awarded a contract with the County for at least 1 year after the date on which the contract was terminated and (b) is liable for any additional costs incurred by the County as a result of termination of this Agreement.

§ 15.18 Conflict of Interest.Design-Builder

warrants that neither Design-Builder nor any of Design-Builder’s employees have any financial or personal interest that conflicts with the execution of this Agreement. The Design-Builder shall notify County of any conflict of interest due to any other clients, contracts, or property interests.

(Paragraph Deleted)

§ 15.19 Prohibition Against Contingent Fees.

As required by §287.055(6), Florida Statutes, the Design-Builder warrants that he or she has not employed or retained any company or person, other than a bona fide employee working solely for the Design-Builder to solicit or secure this Agreement and that he or she has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Design-Builder any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this Agreement. If Design-Builder breaches this provision, the County has the right to termination this Agreement without liability, and at the County’s discretion, to deduct from the contract price, or otherwise recover, the full amount of such fee, commission, percentage, gift or consideration.

(Paragraph Deleted)

§ 15.20 Force Majeure.

The Parties will exercise every reasonable effort to meet their respective duties under this Agreement but will not be liable for delays resulting from force majeure or other causes beyond their reasonable control, including, but not limited to, compliance with any government laws or regulation, acts of nature, fires, strikes, national disasters, wars, riots, transportation problems and any other cause whatsoever beyond the reasonable control of the Parties. Any such cause will reasonably extend the performance of the delayed duty to the extent of the delay so incurred and so agreed by the Parties.

§ 15.21 Public Entity Crimes.

A person or affiliate who has been placed on the convicted vendor list following a conviction of a public entity crime may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity in excess of the threshold amount provided in Florida Statutes, Section 287.017 for Category Two for a period of thirty-six (36) months from the date of being placed on the convicted vendor list.

§ 15.22 Collusion.

By signing this Agreement, Design-Builder declares that this Agreement is made without any previous understanding, agreement, or connections with any persons, contractors or corporations and that this Agreement is fair, and made in good faith without any outside control, collusion, or fraud.

§ 15.23 Counterparts.

This Agreement may be executed in any number of and by the different Parties hereto on separate counterparts, each of which when so executed shall be deemed to be an original, and such counterparts shall together constitute but one and the same instrument. Receipt via email with pdf attachment by a party or its designated legal counsel of an executed counterpart of this Amendment shall constitute valid and sufficient delivery in order to complete execution and delivery of this Amendment and bind the Parties to the terms hereof.

§ 15.24 Severability and Ambiguity.

It is understood and agreed by the Parties that if any of the provisions of the Agreement shall contravene or be invalid under the laws of the State of Florida, such contravention or invalidity shall not invalidate the entire Agreement, but it shall be construed as if not containing the particular provision(s) held to be invalid, and the rights and obligations of the Parties shall be construed and enforced accordingly. This Agreement shall not be construed more strictly against one Party than against the other Party, merely due to fact that it may have been prepared by one of the Parties. Each Party represents and agrees that it has had the opportunity to seek the advice of appropriate professionals, including legal counsel, in the review and execution of this Agreement.

§ 15.25 Electronic Signatures.

The Parties agree that an electronic version of this Agreement shall have the same legal effect and enforceability as a paper version. The Parties further agree that this Agreement, regardless of whether in electronic or paper form, may be executed by use of electronic signatures. Electronic signatures shall have the same legal effect and enforceability as manually written signatures. Delivery of this Agreement or any other document contemplated hereby bearing a manually written or electronic signature, by electronic mail in “portable document format” (“.pdf”) form, or by any other electronic means intended to preserve the original graphic and pictorial appearance of a document, will have the same effect as physical delivery of the paper document bearing an original or electronic signature.

§ 15.26 Entire Agreement.

This Agreement constitutes the entire Agreement and supersedes all prior written or oral agreements, understandings, or representations of the Parties.

§ 15.10 ANY CLAIMS FOR CONSTRUCTION DEFECTS ARE SUBJECT TO THE NOTICE AND CURE PROVISIONS OF CHAPTER 558, FLORIDA STATUTES

(Paragraph Deleted)

§ 15.11 PURSUANT TO THIS SECTION 558.0035, FLORIDA STATUTES, AN INDIVIDUAL EMPLOYEE OR AGENT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

**ARTICLE 16
SCOPE OF THE AGREEMENT**

§ 16.1 This Agreement is comprised of the following documents listed below:

1. Standard Form of Agreement Between Owner and Design-Builder, AIA Document A141™-2014
2. Exhibit A Design-Build Amendment, if executed (AIA Document A141™-2014)
3. Exhibit B Insurance and Bonds (AIA Document A141™-2014)
4. Exhibit C Not Used
5. Exhibit D Summary of Work
6. Exhibit E Schematic Documents
7. Exhibit F Design-Builder’s Permit List
8. Exhibit G Project Schedule
9. Exhibit H Owner’s Geotechnical Report
10. Exhibit I Not Used
11. Exhibit J Schedule of Values
12. Exhibit K Logistics Plan
13. Exhibit L Design-Builder’s Final Payment Affidavit Form
14. Exhibit M Waiver of Right Against Payment Bond Form
15. Exhibit N Payment Bond Form
16. Exhibit O Performance Bond Form
17. Exhibit P Design-Build Notice to Proceed
18. Other:

This Agreement entered into as of the day and year first written above.

DocuSigned by:

Daniel Helmick

9/23/2024

BDFAB2A60163474

DESIGN-BUILDER (Signature)

OWNER (Signature)

(Printed name and title)

Daniel Helmick, EVP

(Printed name and title)

Alachua County Board of County Commissioners

Date: _____

Approved As To Form

Alachua County Attorney's Office

Attest

J.K. "Jess" Irby, Esq., Clerk
(SEAL)

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User Notes:

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AIA[®] Document A141[®] – 2014 Exhibit A

Design-Build Amendment

This Amendment is incorporated into the accompanying AIA Document A141TM-2014, Standard Form of Agreement Between Owner and Design-Builder dated the ____ day of _____ in the year 2024 (the "Agreement")
(In words, indicate day, month and year.)

for the following PROJECT:
(Name and location or address)
Alachua County Judicial Justice Center Parking Structure
220 South Main Street, Gainesville, Florida 32601

THE OWNER:
(Name, legal status and address)
Alachua County Board of County Commissioners
12 SE 1st Street
3rd Floor
Gainesville, FL 32601

THE DESIGN-BUILDER:
(Name, legal status and address)
FINFROCK Construction, LLC, Limited Liability Company
2400 Apopka Boulevard
Apopka, FL 32703

The Owner and Design-Builder hereby amend the Agreement as follows.

TABLE OF ARTICLES	
A.1	CONTRACT SUM
A.2	CONTRACT TIME
A.3	INFORMATION UPON WHICH AMENDMENT IS BASED
A.4	DESIGN-BUILDER'S PERSONNEL, CONTRACTORS AND SUPPLIERS
A.5	COST OF THE WORK

ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Consultation with an attorney is also encouraged with respect to professional licensing requirements in the jurisdiction where the Project is located.

ARTICLE A.1

CONTRACT SUM

§ A.1.1 The Owner shall pay the Design-Builder the Contract Sum in current funds for the Design-Builder’s performance of the Contract after the execution of this Amendment. The Contract Sum shall be one of the following and shall not include compensation the Owner paid the Design-Builder for Work performed prior to execution of this Amendment:

(Check the appropriate box.)

- Stipulated Sum, in accordance with Section A.1.2 below
- Cost of the Work plus the Design-Builder’s Fee, in accordance with Section A.1.3 below
- Cost of the Work plus the Design-Builder’s Fee with a Guaranteed Maximum Price, in accordance with Section A.1.4 below

(Based on the selection above, complete Section A.1.2, A.1.3 or A.1.4 below.)

§ A.1.2 Stipulated Sum

§ A.1.2.1 The Stipulated Sum shall be Eleven Million, One Hundred Seventy-Seven Thousand Dollars and Zero Cents (\$ 11,177,000.00), subject to authorized adjustments as provided in the Design-Build Documents.

§ A.1.2.2 The Stipulated Sum is based upon the following alternates, if any, which are described in the Design-Build Documents and are hereby accepted by the Owner:

(State the numbers or other identification of accepted alternates. If the Owner is permitted to accept other alternates subsequent to the execution of this Amendment, attach a schedule of such other alternates showing the change in Stipulated Sum for each and the deadline by which the alternate must be accepted.)

(Paragraphs deleted)

(Table deleted)

(Paragraphs deleted)

(Table deleted)

(Paragraphs deleted)

§ A.1.5 Payments

§ A.1.5.1 Progress Payments are defined in the Agreement at Section 9.6.

(Paragraphs deleted)

§ A.1.5.2 Progress Payments—Stipulated Sum

§ A.1.5.2.1 Applications for Payment where the Contract Sum is based upon a Stipulated Sum shall indicate the percentage of completion of each portion of the Work as of the end of the period covered by the Application for Payment.

§ A.1.5.2.2 Subject to other provisions of the Design-Build Documents, the amount of each progress payment shall be computed as follows:

- .1 Take that portion of the Contract Sum properly allocable to completed Work as determined by multiplying the percentage completion of each portion of the Work by the share of the Contract Sum allocated to that portion of the Work in the schedule of values, less retainage of five percent (5%) on the Work. Pending final determination of cost to the Owner of Changes in the Work, amounts not in dispute shall be included as provided in Section 6.3.9 of the Agreement;
- .2 Add that portion of the Contract Sum properly allocable to materials and equipment delivered and suitably stored at the site for subsequent incorporation in the completed construction (or, if approved in advance by the Owner, suitably stored off the site at a location agreed upon in writing), less retainage of five percent (5%);
- .3 Subtract the aggregate of previous payments made by the Owner; and
- .4 Subtract amounts, if any, the Owner has withheld or nullified, as provided in Section 9.5 of the Agreement.

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§ A.1.5.2.3 The progress payment amount determined in accordance with Section A.1.5.2.2 shall be further modified under the following circumstances:

- .1 Add, upon Substantial Completion of the Work, a sum sufficient to increase the total payments to the full amount of the Contract Sum, less such amounts as the Owner shall determine for incomplete Work, retainage applicable to such work and unsettled claims; and
(Section 9.8.6 of the Agreement discusses release of applicable retainage upon Substantial Completion of Work.)
- .2 Add, if final completion of the Work is thereafter materially delayed through no fault of the Design-Builder, any additional amounts payable in accordance with Section 9.10.3 of the Agreement.

§ A.1.5.2.4 Reduction or limitation of retainage, if any, shall be as follows:
(If it is intended, prior to Substantial Completion of the entire Work, to reduce or limit the retainage resulting from the percentages inserted in Sections A.1.5.2.2.1 and A.1.5.2.2.2 above, and this is not explained elsewhere in the Design-Build Documents, insert provisions here for such reduction or limitation.)

(Paragraphs deleted)

§ A.1.5.5 Final Payment is defined in the Agreement at Section 9.10.

(Paragraphs deleted)

ARTICLE A.2

CONTRACT TIME

§ A.2.1 Contract Time, as defined in the Agreement at Section 1.4.13, is the period of time, including authorized adjustments, for Substantial Completion of the Work.

§ A.2.2 The Design-Builder shall achieve Substantial Completion of the Work not later than

(Paragraphs deleted)

the Substantial Completion date identified in the Project Schedule, attached hereto as Exhibit "G," subject to adjustments of the Contract Time as provided in the Design-Build Documents.

(Insert provisions, if any, for liquidated damages relating to failure to achieve Substantial Completion on time or for bonus payments for early completion of the Work.)

§ A.2.3 Liquidated Damages. Design-Builder understands that if Substantial Completion is not attained by the Scheduled Substantial Completion Date, Owner will suffer damages which are difficult to determine and accurately specify. Due to the fact that such damages are difficult to determine or accurately specify, Design-Builder agrees that if Substantial Completion is not attained by thirty (30) days after the Scheduled Substantial Completion (the "LD Date"), Designer-Builder shall pay Owner One Thousand Dollars (\$1,000.00) per day as liquidated damages for each day that Substantial Completion extends beyond the LD Date. The liquidated damages provided herein shall not be construed as a penalty and shall be in lieu of all liability for any and all extra costs, losses, expenses, claims, penalties and any other damages, whether special or consequential, and of whatsoever nature incurred by Owner which are occasioned by any delay in achieving Substantial Completion

ARTICLE A.3

INFORMATION UPON WHICH AMENDMENT IS BASED

§ A.3.1 The Contract Sum and Contract Time set forth in this Amendment are based on the following:

§ A.3.1.1 The Supplementary and other Conditions of the Contract:

Document	Title	Date	Pages
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§ A.3.1.2 The Specifications:

(Either list the specifications here or refer to an exhibit attached to this Amendment.)

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Section	Title	Date	Pages
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§ A.3.1.3 The Drawings:
(Either list the drawings here or refer to an exhibit attached to this Amendment.)

Number	Title	Date
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§ A.3.1.4 The Sustainability Plan, if any:
(If the Owner identified a Sustainable Objective in the Owner’s Criteria, identify the document or documents that comprise the Sustainability Plan by title, date and number of pages, and include other identifying information. The Sustainability Plan identifies and describes the Sustainable Objective; the targeted Sustainable Measures; implementation strategies selected to achieve the Sustainable Measures; the Owner’s and Design-Builder’s roles and responsibilities associated with achieving the Sustainable Measures; the specific details about design reviews, testing or metrics to verify achievement of each Sustainable Measure; and the Sustainability Documentation required for the Project, as those terms are defined in Exhibit C to the Agreement.)

Title	Date	Pages
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Other identifying information:

§ A.3.1.5 Allowances and Contingencies:
(Identify any agreed upon allowances and contingencies, including a statement of their basis.)

- .1 Allowances
- .2 Contingencies

§ A.3.1.6 Design-Builder’s assumptions and clarifications:

§ A.3.1.7 Deviations from the Owner’s Criteria as adjusted by a Modification:

§ A.3.1.8 To the extent the Design-Builder shall be required to submit any additional Submittals to the Owner for review, indicate any such submissions below:

ARTICLE A.4

DESIGN-BUILDER’S PERSONNEL, CONTRACTORS AND SUPPLIERS

§ A.4.1 The Design-Builder’s key personnel are identified below:
(Identify name, title and contact information.)

- | | | |
|-------------------|--------------------|-----------|
| .1 Superintendent | .2 Project Manager | .3 Others |
|-------------------|--------------------|-----------|

§ A.4.2 The Design-Builder shall retain the following Consultants, Contractors and suppliers, identified below:
(List name, discipline, address and other information.)

(Paragraphs deleted)

ARTICLE A.5

APPROVED SUBCONTRACTORS

(Paragraphs deleted)

(Table deleted)

§ A.5.1 Notwithstanding anything herein or elsewhere to the contrary, it is understood that the following Subcontractors are deemed approved by the Owner and any condition precedent to such approval has been satisfied:

- Finfrock Construction, LLC
- Finfrock Industries, LLC
- Finfrock Industries South Florida, LLC
- Finfrock Transportation, LLC
- Finfrock Design, LLC
- Toronto, LLC
-
- Kalos Services, Inc.
- Precision Fire Systems
- Hank Lowry Electric, Inc.
- TK Elevators

This Amendment to the Agreement entered into as of the day and year first written above.

OWNER (Signature)

(Printed name and title)

Alachua County Board of County Commissioners

Date: _____

Approved As To Form

Alachua County Attorney's Office

Attest

J.K. "Jess" Irby, Esq., Clerk
(SEAL)

DocuSigned by:
Daniel Helmick 9/23/2024

DESIGN-BUILDER (Signature)

Daniel Helmick, EVP
(Printed name and title)



AIA® Document A141® – 2014 Exhibit B

Insurance and Bonds

for the following PROJECT:

(Name and location or address)

Alachua County Judicial Justice Center Parking Structure
220 South Main Street, Gainesville, Florida 32601

THE OWNER:

(Name, legal status and address)

Alachua County Board of County Commissioners
12 SE 1st Street
3rd Floor,
Gainesville, FL 32601

THE DESIGN-BUILDER:

(Name, legal status and address)

Finfrock Construction, LLC
2400 Apopka Blvd.
Apopka, FL 32703

THE AGREEMENT

Standard Form of Agreement Between Owner and the Design-Builder (hereinafter, the Agreement) for the Project, dated the ____ day of ____ in the year ____ .
(In words, indicate day, month and year.)

TABLE OF ARTICLES

B.1 GENERAL

B.2 DESIGN BUILDER'S INSURANCE AND BONDS

B.3 OWNER'S INSURANCE

B.4 SPECIAL TERMS AND CONDITIONS

ARTICLE B.1GENERAL

The Owner and Design-Builder shall purchase and maintain insurance and provide bonds as set forth in this Exhibit B. Where a provision in this Exhibit conflicts with a provision in the Agreement into which this Exhibit is incorporated, the provision in this Exhibit will prevail.

ARTICLE B.2DESIGN BUILDER'S INSURANCE AND BONDS

§ B.2.1 The Design-Builder shall purchase and maintain the following types and limits of insurance from a company, or companies lawfully authorized to do business in the jurisdiction where the Project is located. The Design-Builder shall maintain the required insurance until the expiration of the period for correction of Work as set forth in Section 11.2.2.1 of the Agreement, unless a different duration is stated below:

(If the Design-Builder is required to maintain insurance for a duration other than the expiration of the period for correction of Work, state the duration.)

ADDITIONS AND DELETIONS:

The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

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§ B.2.1.1 Commercial General Liability with policy limits of not less than One Million Dollars and Zero Cents (\$ 1,000,000.00) for each occurrence and Two Million Dollars and Zero Cents (\$ 2,000,000.00) in the aggregate providing coverage for claims including

- .1 damages because of bodily injury, sickness or disease, and death of any person;
- .2 personal injury;
- .3 damages because of injury to or destruction of tangible property;
- .4 bodily injury or property damage arising out of completed operations; and
- .5 contractual liability applicable to the Design-Builder's obligations under Section 3.1.14 of the Agreement.

§ B.2.1.2 Automobile Liability covering vehicles owned by the Design-Builder and non-owned vehicles used by the Design-Builder with policy limits of not less than One Million Dollars and Zero Cents (\$ 1,000,000.00) per claim and One Million Dollars and Zero Cents (\$ 1,000,000.00) in the aggregate for bodily injury, death of any person, and property damage arising out of the ownership, maintenance and use of those motor vehicles specified in this Section B.2.1.2, along with any other statutorily required automobile coverage.

§ B.2.1.3 The Design-Builder may achieve the required limits and coverage for Commercial General Liability and Automobile Liability through a combination of primary and excess liability insurance, provided such primary and excess insurance policies result in the same or greater coverage as those required under Sections B.2.1.1 and B.2.1.2.

§ B.2.1.4 Workers' Compensation at statutory limits.

§ B.2.1.5 Employers' Liability with policy limits as provided below:
One Million Dollars (\$1,000,000)

§ B.2.1.6 Professional Liability covering negligent acts, errors and omissions in the performance of professional services, with policy limits of not less than Five Million Dollars and Zero Cents (\$ 5,000,000.00) per claim and Five Million Dollars and Zero Cents (\$ 5,000,000.00) in the aggregate.

§ B.2.1.7 Pollution Liability covering performance of the Work, with policy limits of not less than One Million Dollars (\$ 1,000,000) per claim and One Million Dollars (\$ 1,000,000) in the aggregate.

§ B.2.1.7.1 The Design-Builder may obtain a combined Professional Liability and Pollution Liability policy to satisfy the requirements set forth in Sections B.2.1.6 and B.2.1.7, with combined policy limits that are not less than One Million Dollars (\$ 1,000,000) per claim and One Million Dollars (\$ 1,000,000) in the aggregate.

§ B.2.1.8 The Design-Builder shall provide written notification to the Owner of the cancellation or expiration of any insurance required by this Article B.2. The Design-Builder shall provide such written notice within five (5) business days of the date the Design-Builder is first aware of the cancellation or expiration or is first aware that the cancellation or expiration is threatened or otherwise may occur, whichever comes first.

§ B.2.1.9 Additional Insured Obligations. The Owner and its consultants and contractors shall be additional insureds on the Design-Builder's primary and excess insurance policies for Commercial General Liability, and Automobile Liability. The additional insured coverage shall be primary and non-contributory to any of the Owner's insurance policies. The additional insured coverage shall apply to both ongoing operations and completed operations. The policy limits applicable to the additional insureds shall be the same amount applicable to the named insured or, if the policy provides otherwise, policy limits not less than the amounts required under this Agreement.

§ B.2.1.10 Certificates of Insurance. The Design-Builder shall provide certificates of insurance acceptable to the Owner evidencing compliance with the requirements in this Article B.2: (1) prior to commencement of the Work; (2) upon renewal or replacement of each required policy of insurance; and (3) upon Owner's written request. An additional certificate evidencing continuation of liability coverage, including coverage for completed operations, shall be submitted with the final Application for Payment as required by Section 9.10.2 of the Agreement and thereafter upon renewal or replacement of such coverage until the expiration of the time required by Section B.2.1. The certificates will show the Owner and its consultants and contractors as additional insureds on the Design-

Builder’s primary and excess insurance policies for Commercial General Liability, and Automobile Liability. Information concerning reduction of coverage on account of revised limits, claims paid under the General Aggregate or both, shall be furnished by the Design-Builder with reasonable promptness.

§ B.2.2 Performance Bond and Payment Bond

The Design-Builder shall provide surety bonds as follows:

(Specify type and penal sum of bonds.)

Type	Penal Sum (\$0.00)
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§ B.2.2.1 Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under the Agreement, the Design-Builder shall promptly furnish a copy of the bonds or shall permit a copy to be made.

ARTICLE B.3 OWNER’S INSURANCE

§ B.3.1 OCIP and Liability & Property Insurance

§ B.3.1.1 Owner Controlled Insurance Program.

1. County reserves the right to implement and sponsor an OCIP (Owner Controlled Insurance Program) for this Project. The OCIP being considered is a “General Liability and Builders Risk OCIP ”. If the County decides to move forward with the OCIP Participation and compliance with the OCIP will be mandatory for all tiers of contractors and subcontractors. All tiers of contractors and subcontractors will be enrolled in the OCIP unless specifically excluded in writing. Enrollment in the OCIP program is required but is not automatic.
2. Failure to provide required OCIP enrollment information prior to mobilization on-site could impact coverage under the OCIP. Communications from Adam Balls (the “OCIP Administrator”) should be considered County communications.
3. The OCIP program will provide General Liability and Excess Liability coverage for onsite operations. OCIP coverage applies only to those operations of each Enrolled Contractor performed at the Site in connection with their Work and only to enrolled contractors who are eligible for enrollment in the OCIP.

§ B.3.1.2 Owner’s Liability Insurance

The Owner shall be responsible for purchasing and maintaining the Owner’s usual liability insurance.

§ B.3.2 Property Insurance

§ B.3.2.1 Unless otherwise provided, at the time of execution of the Design-Build Amendment, the Owner shall purchase and maintain, in a company or companies lawfully authorized to do business in the jurisdiction where the Project is located, property insurance written on a builder’s risk “all-risk” or equivalent policy form in the amount of the initial Contract Sum, plus the value of subsequent Modifications and cost of materials supplied or installed by others, comprising the total value for the entire Project at the site on a replacement cost basis without optional deductibles. If any construction that is part of the Work shall commence prior to execution of the Design-Build Amendment, the Owner shall, prior to commencement of construction, purchase and maintain property insurance as described above in an amount sufficient to cover the total value of the Work at the site on a replacement cost basis without optional deductibles. The insurance required under this section shall include interests of the Owner, Design-Builder, Architect, Consultants, Contractors, and Subcontractors in the Project. The property insurance shall be maintained, unless otherwise provided in the Design-Build Documents or otherwise agreed in writing by all persons and entities who are beneficiaries of the insurance, until the Owner has issued a Certificate of Substantial Completion in accordance with Section 9.8 of the Agreement. Unless the parties agree otherwise, upon issuance of a Certificate of Substantial Completion, the Owner shall replace the insurance policy required under this Section B.3.2 with another property insurance policy written for the total value of the Project that shall remain in effect until expiration of the period for correction of the Work set forth in Section 11.2.2 of the Agreement.

§ B.3.2.1.1 The insurance required under Section B.3.2.1 shall include, without limitation, insurance against the perils of fire (with extended coverage) and physical loss or damage including, without duplication of coverage, theft, vandalism, malicious mischief, collapse, earthquake, earth movement, flood, windstorm, falsework, testing and startup, temporary buildings and debris removal, including demolition occasioned by enforcement of any applicable legal requirements, and shall cover reasonable compensation for the Design-Builder’s services and expenses required as a result of such insured loss.

§ B.3.2.1.2 If the insurance required under Section B.3.2.1 requires deductibles, the Owner shall pay costs not covered because of such deductibles.

§ B.3.2.1.3 The insurance required under Section B.3.2.1 shall cover portions of the Work stored off the site, and also portions of the Work in transit.

§ B.3.2.1.4 Partial occupancy or use in accordance with Section 9.9 of the Agreement shall not commence until the insurance company or companies providing the insurance required under Section B.3.2.1 have consented to such partial occupancy or use by endorsement or otherwise. The Owner and the Design-Builder shall take reasonable steps to obtain consent of the insurance company or companies and shall, without mutual written consent, take no action with respect to partial occupancy or use that would cause cancellation, lapse or reduction of insurance.

§ B.3.2.1.5 Design-Builder reserves the right to review and approve of the insurance required under Section B.3.2.1, including without limitation all policy(ies) and endorsement(s). Design-Builder shall not unreasonably withhold such approval. Furthermore, Design-Builder shall be entitled to a mutually agreeable Change Order for compliance with such policy(ies), which shall include, at a minimum, Design-Builder's administrative costs. Design-Builder shall not be responsible for any deductible or self-insured retention under such policy(ies). Under no circumstance shall Design-Builder be required to provide any credit (premium or otherwise), unless Design-Builder receives the same from its carriers and shall be set off against any administrative burden. Notwithstanding the foregoing, in the event the policy term of any such wrap insurance fails to extend through the relevant statute of repose, the Owner agrees to release, indemnify, defend and hold Design-Builder harmless from any exposure, legal financial or otherwise, during the period of time between the expiration of such wrap insurance and the expiration of such statute of repose or other legal timing mechanism.

§ B.3.2.2 Boiler and Machinery Insurance. The Owner shall purchase and maintain boiler and machinery insurance, which shall specifically cover commissioning, testing, or breakdown of equipment required by the Work, if not covered by the insurance required in Section B.3.2.1. This insurance shall include the interests of the Owner, Design-Builder, Architect, Consultants, Contractor and Subcontractors in the Work, and the Owner and Design-Builder shall be named insureds.

§ B.3.2.3 If the Owner does not intend to purchase the insurance required under Sections B.3.2.1 and B.3.2.2 with all of the coverages in the amounts described above, the Owner shall inform the Design-Builder in writing prior to any construction that is part of the Work. The Design-Builder may then obtain insurance that will protect the interests of the Owner, Design-Builder, Architect, Consultants, Contractors, and Subcontractors in the Work. The cost of the insurance shall be charged to the Owner by an appropriate Change Order. If the Owner does not provide written notice, and the Design-Builder is damaged by the failure or neglect of the Owner to purchase or maintain insurance as described above, the Owner shall bear all reasonable costs and damages attributable thereto.

§ B.3.2.4 Loss of Use Insurance. At the Owner's option, the Owner may purchase and maintain insurance to insure the Owner against loss of use of the Owner's property due to fire or other hazards, however caused. The Owner waives all rights of action against the Design-Builder for loss of use of the Owner's property, including consequential losses due to fire or other hazards covered under the property insurance required under this Exhibit B to the Agreement.

§ B.3.2.5 If during the Project construction period the Owner insures properties, real or personal or both, at or adjacent to the site by property insurance under policies separate from those insuring the Project, or if after final payment property insurance is to be provided on the completed Project through a policy or policies other than those insuring the Project during the construction period, the Owner shall waive all rights in accordance with the terms of Section B.3.2.7 for damages caused by fire or other causes of loss covered by this separate property insurance. All separate policies shall provide this waiver of subrogation by endorsement or otherwise.

§ B.3.2.6 Before an exposure to loss may occur, the Owner shall file with the Design-Builder a copy of each policy that includes insurance coverages required by this Section B.3.2. Each policy shall contain all generally applicable conditions, definitions, exclusions and endorsements related to this Project. The Owner shall provide written notification to the Design-Builder of the cancellation or expiration of any insurance required by this Article B.3. The Owner shall provide such written notice within five (5) business days of the date the Owner is first aware of the

cancellation or expiration or is first aware that the cancellation or expiration is threatened or otherwise may occur, whichever comes first.

§ B.3.2.7 Waivers of Subrogation. The Owner and Design-Builder waive all rights against (1) each other and any of their consultants, subconsultants, contractors and subcontractors, agents and employees, each of the other, and (2) any separate contractors described in Section 5.13 of the Agreement, if any, and any of their subcontractors, sub-subcontractors, agents and employees, for damages caused by fire or other causes of loss to the extent covered by property insurance obtained pursuant to Section B.3.2 or other property insurance applicable to the Work and completed construction, except such rights as they have to proceeds of such insurance held by the Owner as fiduciary. The Owner or Design-Builder, as appropriate, shall require of the separate contractors described in Section 5.13 of the Agreement, if any, and the subcontractors, sub-subcontractors, agents and employees of any of them, by appropriate agreements, written where legally required for validity, similar waivers each in favor of the other parties enumerated herein. The policies shall provide such waivers of subrogation by endorsement or otherwise. A waiver of subrogation shall be effective as to a person or entity even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, did not pay the insurance premium directly or indirectly, and whether or not the person or entity had an insurable interest in the property damaged.

§ B.3.2.8 A loss insured under the Owner's property insurance shall be adjusted by the Owner as fiduciary and made payable to the Owner as fiduciary for the insureds, as their interests may appear, subject to requirements of any applicable mortgagee clause and of Section B.3.2.10. The Design-Builder shall pay the Architect, Consultants and Contractors their just shares of insurance proceeds received by the Design-Builder, and by appropriate agreements, written where legally required for validity, the Design-Builder shall require the Architect, Consultants and Contractors to make payments to their consultants and subcontractors in similar manner.

§ B.3.2.9 If required in writing by a party in interest, the Owner as fiduciary shall, upon occurrence of an insured loss, give bond for proper performance of the Owner's duties. The cost of required bonds shall be charged against proceeds received as fiduciary. The Owner shall deposit in a separate account proceeds so received, which the Owner shall distribute in accordance with such agreement as the parties in interest may reach, or as determined in accordance with the method of binding dispute resolution selected in the Agreement between the Owner and Design-Builder. If after such loss no other special agreement is made and unless the Owner terminates the Contract for convenience, replacement of damaged property shall be performed by the Design-Builder after notification of a Change in the Work in accordance with Article 6 of the Agreement.

§ B.3.2.10 The Owner as fiduciary shall have power to adjust and settle a loss with insurers unless one of the parties in interest shall object in writing within five days after occurrence of a loss to the Owner's exercise of this power. If an objection is made, the dispute shall be resolved in the manner selected by the Owner and Design-Builder as the method of binding dispute resolution in the Agreement. If the Owner and Design-Builder have selected arbitration as the method of binding dispute resolution, the Owner as fiduciary shall make settlement with insurers or, in the case of a dispute over distribution of insurance proceeds, in accordance with the directions of the arbitrators.

§ B.3.2.11 Owner shall provide Design-Builder with a copy of the complete policy of all insurance required to be procured and/or maintained by Owner herein. Owner shall be responsible for all premium and deductibles associated with any and all Owner-procured and/or Owner-maintained insurance, including without limitation those required in this Section B.3.2.

§ B.3.3 Within ten (10) business days of binding, but in any instance, prior to any commencement of the Work, Owner provide reasonable evidence that the Owner has secured the insurance policy(ies) required of this Article B.3. The Owner shall furnish such evidence as a condition precedent to commencement or continuation of the Work, or the portion of the Work affected by a material change. After the Owner furnishes the evidence, the Owner shall not materially vary such insurance coverage without prior notice to the Design-Builder, and any variance(s) shall not cause coverage to be less than as required by this Article B.3. If the Owner fails to furnish such evidence of coverage in a timely manner, the Design-Builder may stop work with seven (7) days' notice or exercise any other right permitted under the Contract Documents.

ARTICLE B.4 SPECIAL TERMS AND CONDITIONS

Special terms and conditions that modify this Insurance and Bonds Exhibit, if any, are as follows:

Init.

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User Notes:

(3B9ADA3C)

Exhibit C: Not Used

Exhibit D: Summary of Work



Alachua County Courthouse PG

Summary of Work

Project 23-2002

Gainesville, FL

August 19th, 2024

FINFROCK[®]



TABLE OF CONTENTS



<i>Section</i>	<i>Page</i>
Table of contents	2
Overview/Scope of work	3
Structure	4
Code research	5
Budget	6
Project Description	7
Clarifications	22
Exclusions	25



Section One
OVERVIEW/SCOPE OF WORK



OVERVIEW

FINFROCK is pleased to provide a proposal for design-build services for a project in Gainesville, Florida. This Summary of Work describes the program, design, construction, limitations, and exclusions of the proposal.

This proposal has been priced in today's dollars and is based on one continuous construction activity with no phasing of activities.

The Owner's Program includes a ground plus four elevated deck garage. Sitework is by Others.

BRIEF SCOPE OF WORK

FINFROCK will provide the following:

1. Professional services including Architecture, Structural Engineering, and General Contracting of the garage.
2. Complete garage with approximately 500 stalls.
3. Rooms within the garage delivered **complete**:
 - a. Electric Room
 - b. Fire Pump Room
 - c. Dry Pipe Closet
4. Site work is by others.



Section Two
STRUCTURE



1. Ground plus four elevated decks of parking.
2. Two stairs and one elevator serve this structure.
3. Exterior elevations consist of a combination of walls, spandrels and shear walls.
4. Floor system is comprised of precast concrete double tees.
5. Foundations are spread footings bearing on virgin soils with a bearing capacity of 6,000 psf. and should be verified by a geotechnical engineer.



Section Three
CODE RESEARCH

Building codes are not project specific and must be interpreted by each city, county or other jurisdiction in which the project resides. The jurisdiction does not interpret code until permit documents are submitted. Our preliminary code review indicates the following:

1. The Authority Having Jurisdiction (AHJ) is the City of Gainesville.
2. In accordance with FBC Table 705.8, adjacent construction needs to be of sufficient type and distance away from the garage to allow the garage to be constructed and remain open. This may require assumed property lines 10 ft. on each side of the garage and will need to be studied along with other buildings on site.
3. Standard parking stalls of 9 ft. 0 in. by 19 ft. 0 in. is the acceptable size. We are utilizing 8 ft. 6 in. by 19 ft. 0 in. as allowed by the City of Gainesville Municode for a portion of the stalls.

In the event the Authority Having Jurisdiction requires something other than what is anticipated here, the Owner will incur additional costs.



Section Four
BUDGET/ALTERNATES/ALLOWANCES



BUDGET/ALTERNATES

See Budget Tracker





Section Five

PROJECT DESCRIPTION

PROJECT SOFT COSTS BY OWNER

BY OWNER

1. Builder's risk and deductibles
2. Building permit and impact fees.
3. Tree, wetland and other environmental mitigation and impact fees.
4. Geotechnical explorations and reports
5. Property surveys.
6. Material and structural inspections in accordance with the AHJ and Engineer of Record to include:
 - a. Construction material testing
 - b. Geotechnical inspections
 - c. Threshold and special structural inspections

DIVISION 1: GENERAL CONDITIONS

BY OWNER

1. Temporary site fencing.
2. Temporary water and power to Finfrock's building pad
3. Stabilized haul road from public street to building footprint, construction employee parking pad, and materials staging.
4. Stormwater Pollution Prevention program.
5. Precast trailer storage and crane staging areas, silt and temporary site fencing.

BY FINFROCK

1. Jobsite requirement such as construction trailer, safety rails, temporary water, etc.
2. Design and administration, including:
 - a. Architectural
 - b. Structural
 - c. Cladding
 - d. Specialty engineering, (e.g. curtain walls)
 - e. Mechanical

- E. Electrical
- g. Plumbing
- h. Fire Protection
- 7. Site cleanup.
- 8. Equipment and tools.
- 9. Supervisory and administrative personnel.

DIVISION 2: EXISTING CONDITIONS

BY OWNER

1. Project soils investigation, reporting, recommendations, material testing.
2. Stabilized haul road from public street to building footprint, construction employee parking pad, and materials staging.
3. Temporary site fencing.
4. Precast trailer storage and crane staging areas, silt and temporary site fencing.
5. Demolition of asphalt, trees, curbing, and other surface improvements.
6. Demolition of existing utilities.
7. Relocation of existing utilities that are not to be demolished.

BY FINFROCK

1. None.

DIVISION 3: CAST-IN-PLACE CONCRETE

SPREAD FOOTINGS

1. Design based on 6,000 psf soils pressure.
2. Provide 110 lbs. of reinforcing per cu.yd. of concrete.
3. Top of perimeter foundations are 24 in. below finished floor.
4. Top of interior foundations are 42 in. below finished floor.
5. Excavation by FINFROCK concrete subcontractor.
6. Concrete is 4,000 psi.

SLAB ON GRADE

GARAGE

1. 5 in. (non-structural) slab on grade inside the structure footprint:
 - a. Include thickened slab at edge of slab where located at an entrance, exit or elsewhere vehicles will be loading the edge, at fencing locations, and CMU walls.
 - b. Include slab up to retaining wall at ramp.
 - c. Include saw cutting 12 ft. on center.
 - d. Expansion and/or control joints shall not be caulked except at structural slabs or at enclosed spaces that receive vapor barriers
 - e. Include fiber-mesh.
 - f. Include termite protection.
 - g. No vapor barrier required for exposed concrete finishes in garage spaces.
 - h. Slab on grade at dead space under the ramp up to retaining wall.

RETAIL

1. Pour 4 in. (non-structural) slab on grade ribbon for storefront openings around perimeter as shown in snip below. Remaining non-hatched areas are to be left as uncompacted dirt.



OTHER SCOPE BY FINFROCK

1. Wheel stops are included at first floor where a car could drive out of garage footprint, by FINFROCK.



DIVISION 3: STRUCTURAL PRECAST CONCRETE

1. Columns and interior column walls along ramps.
2. Stair tower closed to the garage and open to the street with a roof.
3. Elevator walls and roof.
4. Columns and spandrels at elevated structure.
5. Elevator lobby overhang.
6. Inverted Tee beams.
7. Fully pre-topped 12 ft wide double tees, no washes needed, designed to support a 3,000 lb. wheel load and 40 PSF live load to support passenger vehicles only. The structure has not been designed to accommodate heavier vehicles or stored materials, however, for additional costs, higher point loads may be accommodated.
8. Signed and sealed bracing plans
9. Overhead chord and end connections locations to avoid pockets on the top side
10. Corbels, not ledges on spandrels to avoid bird perches
11. Curbs at ramps.
12. Erection of precast items listed above.



DIVISION 4: MASONRY

All masonry is to contain:

1. No. 5 reinforcing with grout at each corner and 48 in. on center.
2. Horizontal joint reinforcing every other course and epoxy reinforcing into adjacent precast as shown.
3. Neatly cut top course around precast structure, allow $\frac{3}{4}$ in. gap and seal with fire safing on both sides.
4. Close up elevator frames to precast with 8 in. reinforced block. Provide a parged finish to mimic precast/stucco finish.
5. Rooms as listed in Section One.

DIVISION 5: METALS

1. Powder coated aluminum stair railings designed to meet code. Submit signed and sealed shop drawings from a Florida registered engineer.
2. For open stairs, which are over 36 ft. above grade, replace pickets with $\frac{1}{8}$ in. sheet aluminum with perforations per the attached photo and sketch. Design to meet code. Submit signed and sealed shop drawings from a Florida registered engineer.
3. Elevator spreader beams at each floor for elevator.

4. Elevator pit ladder and hoist beam each elevator pit.
5. Vinyl coated 6 ft. tall black chain-link fencing with fabric screening under ramp for access to dead space under ramp.
6. Vertical picket fencing around perimeter and at interior entrances as shown on plans and elevations.
7. Metal Bollards on elevated garage levels

DIVISION 6: WOOD WORK

1. None

DIVISION 7: ROOFING

1. White aluminum drip edge, gutter, and downspout at low end of sloped roofs.

DIVISION 7: CAULKING, COATINGS

1. Place Ceteo Voltex on bottom and sides of elevator shafts. Wrap adjacent foundation as required to maintain complete wrap.
2. Install fillet joint at each stair railing post for positive drainage away from post.
3. Per Exception 5 of FBC 715.1, fire resistant joints shall not be required in floors and ramps of open or enclosed parking garages.
4. According to IBC, open garages do not require rated sealants at stairs.
5. For open garage where the stairs are not used by other occupants, rated joints of stair and elevator walls are not required.
6. Deck joints above electrical room are two-hour rated.
7. Caulking is an extended life Dow silicone product (10-year warranty) at all areas except exterior panels. Typical exterior precast joints will receive acrylic texture coating on urethane.
8. Stair towers structures are separated from the garage and will require 2-3 in. joints.
9. Provide Neogard Auto-Gard liquid applied membrane over:
 - a. Electrical Room
 - b. Fire Pump Room
 - c. Dry-Pipe Closet (not shown, assume 4 ft. 0 in. x 8 ft. 0 in)
 - d. Retail Space

10. Provide Neogard Peda-Gard over:
 - a. Enclosed Stairs
 - b. Elevator Shaft and lobbies
11. EIFS banding at perimeter as shown on elevations.

DIVISION 8: STOREFRONT, DOORS, AND HARDWARE

1. Glass and glazing
 - a. Elevator lobbies roof level with curb
 - i. Two-sided, 9 ft tall non-insulated, non-impact storefront rain screen, no door
 - b. Punched openings at west and south elevations.
 - b. Provide electronic panic device, power transfer and power supply for entry doors. Card readers by Owner, power by Division 26
 - c. Basis of design is clear anodized YKK, Kawneer or Coral Architectural Products
 - d. Meet wind loads of 40/+40.
2. Provide doors, frames and hardware at exterior doors that carry appropriate NOAs and/or Florida product approvals with the following:
 - a. Hagar or equal grade 1 mortised locksets with removable cores, one bit keying
 - b. Hagar or equal grade 1 8800 exit devices at stair exits
 - c. Hagar or equal grade 1 door closers 351
 - d. Hagar or equal hinges stainless steel
 - e. Rockwood or equal flush bolts, door stops, wall bumpers, and kick plates
 - f. Pemko or equal thresholds, weather-stripping, and smoke and fire gasketing
 - g. No wire glass vision lights

DIVISION 9: INTERIOR FINISHES

GARAGE

Item	Location	Material	Finish	Notes
Garage interior	Ceiling	Precast walls	Unpainted	
	Floor	Precast walls	Unpainted	
	Walls	Precast walls	Unpainted	
	Lite walls	Precast walls	Unpainted	
Elevator closets	Walls	8 in. CMU	Unpainted	
Stairs	Interior walls	Precast walls	Painted	Flat Finish
Elevator lobbies	Ceiling	Precast	Unpainted	
	Floor	Precast	Unpainted	
	Walls	Precast walls and CMU/gyp board infills	Painted	
Light fixtures	Covered deck	Varies	Powder coat or baked enamel	White
Light poles	All	Aluminum	Powder coat	White
Doors/frames	All	Hollow metal	Primed and painted	
Stair rails	All	Aluminum	Powder coat	Standard colors
Stall	All	Painted	4 in. white on 6 in. black	
Non stall	All	Painted	4 in. white on black at perimeter and field at 36 in. on center	Diagonal, see photo



RETAIL SPACE

1. Concrete ribbon with uncompacted dirt at remaining areas (See Div. 03).
2. Exposed precast for rear and side walls with no drywall partitions.
3. Uninsulated Double Tee structure above.



DIVISION 9: EXTERIOR FINISHES

1. Vinyl fencing (See Div. 05).
2. Caulking is an extended life Dow silicone product at all areas except exterior panels. Typical exterior precast joints to receive urethane.
3. EIFS banding (See Div. 07).
4. Storefront glazing at ground floor west and south elevations (See Div 08).
5. Flat painted precast at all exterior walls (two standard earth-tone colors). Excessive cut-ins are not included in this price. Detailed exteriors need to be developed and priced if desired. (See Div. 09).
6. Aluminum canopy (See Div. 10).

DIVISION 10: SPECIALTIES

1. Code required and basic way-finding signage
2. Vehicular entrances:
 - a. Wall mounted sign with reflective vinyl graphics on one side and PVC clearance bar with reflective vinyl graphics suspended underneath.
3. Stair and room signage
4. Other miscellaneous interior signs:
 - a. 12 in. tall long powder coated aluminum hanging sign with reflective vinyl graphics. Locate signs to provide direction to exit from each level.
 - b. Color coded level indicators at columns: 20 in. square color coded at columns on ends of lite walls each level with 12 in. tall digit indicating level.
5. Aluminum canopy at corner of retail space as shown on plans.

DIVISION 11: EQUIPMENT

1. Provide five (5) Electric Vehicle (EV) ready stalls (assume future Level 2 Chargers), which includes secondaries to transformer, increase in main panel, distribution panel, conduit, conductor and junction box at the stall.
2. Access control and revenue collection system:
 - a. Two entrances, each entrance to have a card reader on a pedestal, proximity reader, and safety loops.
 - b. Pedestrian secured entrance and exit gates with powder coated aluminum (standard colors), card reader, communicating barrier gates with overhead vehicular gate and safety loops.



8/19/2024

Page 14

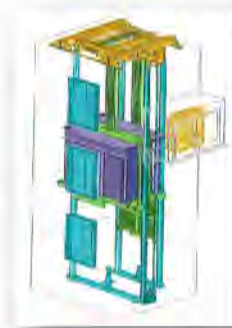
- c. Two exits; each exit to have a card reader on a pedestal and exit verifier with credit card acceptance and communication capability.
- d. Provide software, computer and training.

DIVISION 12: FURNISHINGS

- 1. None.

DIVISION 13: SPECIAL CONSTRUCTION

- 1. None



DIVISION 14: ELEVATORS

BY OWNER

- 1. Early release of construction funds during Design Phase to be used as Deposits to release production of elevators /escalators.

BY FINFROCK

- 1. One machine-room-less 3500 lb. 150 fpm elevator.
- 2. All elevators to have:
 - a. Standard stainless steel finishes.
 - b. Stainless paneled ceilings with downlights.
 - c. Elevators to be on emergency generator back-up.
 - d. Stainless steel frames and doors at each level.
 - e. Hall lanterns each level, showing the direction of car travel only.
 - f. Rubber flooring equal to Roppe, medium charcoal color.
 - g. Equipment located in-jamb on top level.
 - h. Twelve-month service agreement.

DIVISION 21: FIRE SUPPRESSION

GARAGE

- 1. Engineering and permitting fees.

2. Per Florida Statute 633.334 scope of work to start 1 ft. above finished floor inside structure. Fire line to be routed from point of service to 1 ft. above finish floor by others.
3. Provide a standpipe system.
4. Provide a fire protection system.
5. Provide a fire pump.
6. Branch lines should run parallel to double tee spans and layout at 12 ft. on center to center and 'fit' inside double tee voids.
7. Provide 10 lb. fire extinguishers sized and located per maximum travel distances and areas as required by NFPA #10, latest edition. The fire extinguisher cabinets shall be Potter Roemer or equal with all break glass in door in clear anodized aluminum finish cabinets with lockable doors. Include the cost of signage.
8. Provide a wall mounted chrome fire department connection and a yard type fire department connection 60 linear feet away from the garage, along a major vehicular path.
9. Locate dry pipe valves in first-floor pump room and extend multiple zones vertically to each level. An additional dry pipe closet will be located at 3rd level.

RETAIL SPACE

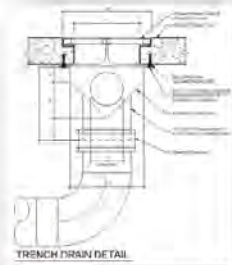
1. Engineering and permitting fees.
2. Provide upright sprinkler heads with nipples for future connection by Others.
3. Provide fire extinguishers sized and located per maximum travel distances as required by NFPA #10, latest edition. The fire extinguishers shall be located within aluminum finish cabinets with lockable doors equipped with breakaway panels. Include the cost of signage.



DIVISION 22: PLUMBING SYSTEMS

GARAGE

1. Engineering and permitting fees.
2. All tie-ins by FINFROCK plumbing subcontractor.
3. Low points located at CL 2, 4, and 6.
4. Locate keyed hose bibs end of lite walls, each level, at CL B and B6.



Storm Drain Schedule	
Location	Type/Description
Ground floor	Area drains
Covered levels	Slot drains at each side of low point

Top level	Trench drain, length as required at each side of low point
Bottom of uppermost ramp	Trench drain at each side of low point
Mid ramp of uppermost ramp	Trench drain on one side of the ramp

5. If not located at lite walls, core drill pipe penetrations in deck.
6. Domestic water pipe to be CPVC.
7. Provide sump pumps for elevator shaft.

RETAIL SPACE

1. Assuming one tenant with one meter for entire project.
2. Engineering and permitting fees.
 - a. Provide 6 in. sanitary run at rear of space with invert 30 in. below finished floor to allow for future extension0
 - b. Provide 2 in. water line run at rear of space with extension and valve. Provide backflow preventer and meters at a future location to be mutually agreed upon.
 - c. Provide 4 in. condensate line at rear of space.

DIVISION 23: HVAC SYSTEMS

1. Engineering and permitting fees
2. Provide conditioned air for:
 - a. Electric Room
 - b. Elevator lobby on top level.
3. Provide heater for:
 - a. Fire Pump Room
 - b. Dry Pipe Closet on Level 3 (not shown, assume 4 ft. 0 in. x 8 ft. 0 in).
4. Provide forced ventilation for ground level of parking garage, as it is not considered open.

RETAIL SPACE

1. None

DIVISION 26: ELECTRICAL



1. Engineering and permitting fees.
2. Temporary power to trailer and pad.
3. 480V electric service.
4. Main service, disconnects, meter bases, grounding, feeders, panels, transformers, breakers, switches, and time clocks.
5. Use weatherproof boxes whenever subject to rain.
6. Deck lighting:
 - a. Control perimeter fixtures with timer and photo-cell.
 - b. Provide motion detector at each fixture.
 - c. The basis of design is one of the following fixtures:
 - i. ECO lighting
 - ii. Cooper Top Tier LED
 - iii. Lithonia DSXPG LED
 - iv. Lithonia PGX LED
 - v. Phillips Guardco SVPG LED
 - d. Provide 4.5 foot-candle average and 2.0 foot-candle minimum horizontal luminance for all ramps and drive aisles. Max/Min ratio shall not exceed 6.0.
 - e. Provide 2.0 foot-candle average & 1.0 foot-candle minimum horizontal luminance for all parking bays. Max/Min ratio shall not exceed 6.0.
 - f. Emergency lighting: Provide a generator for emergency lighting and elevator recall. Assume generator will be outside of garage footprint.
 - g. Provide minimum horizontal luminance for all entries and exits (during daylight hours only) of 20.0 foot-candle or 10 times the calculated average for parking bays, whichever is greater. Provide 3.0 foot-candle average & 2.0 foot-candle minimum during nighttime hours. Consideration of daylight contribution shall be permitted for this calculation. Area of increased luminance shall be 66 ft. long by 50 ft. wide, measured from the shadow line at the portal.
 - h. Light loss factor shall be per AHJ
 - i. Reflectivity shall be not more than 20% for floor. 0% for ceilings and walls.
7. Stair lighting:
 - a. The basis of design is LED fixtures from the same manufacturer as garage fixture. Meet IES and local codes. Lighting should be such that there are no dark spaces. Provide LED wall packs at stair towers to illuminate exit doors at ground floor.
8. Roof lighting:

- a. The basis of design is LED fixtures (standard gray, unless specified otherwise,) from same manufacturer as garage fixture with 0.5 foot-candle minimum from 16 ft. to 20 ft. steel poles with 2, 3, or 4 head configuration.
9. Other lighting:
 - a. Illuminate exterior doors and their pathways away from building.
 - b. Exit lights to meet requirements by the AHJ, but no less than sufficient quantity and location to allow at least one exit light, less than 75 ft. away, to be seen from any and all drive isles.
 - c. Appropriate fluorescent fixtures for task lighting at mechanical/electrical/fire pump, and other miscellaneous rooms.
 - d. Four additional deck fixtures and one quad receptacle under ramp in the dead space.
10. Meet or exceed all local jurisdiction lighting requirements.
11. Two 4 in. Tele/data conduits from 5 ft. outside of building footprint to electric room and plywood tele-board and quad receptacle.
12. Lightning protection system.
13. Power to elevator.
14. Power to mechanical systems described in Division 23.
15. Power receptacle for each stair on each floor.
16. Power receptacles for electrical, fire pump, and other miscellaneous rooms. Coordinate size and locations.

RETAIL SPACE

1. Assuming one tenant with one meter for entire project.
2. Provide two 2 in. conduit extended from retail space to the meter center on the north wall of the retail.
3. Provide stumble lighting for temporary occupancy as required by code.
4. Provide gutter, distribution panel, and cabinet with 200 amp 480 volt service

DIVISION 27: COMMUNICATIONS

1. See clarifications for tie-ins to phone lines.

DIVISION 28: ELECTRONIC SAFETY AND SECURITY

BY OWNER

1. None

BY FINFROCK

1. Stand Alone Fire alarm system to monitor fire protection and elevators only.
2. Provide conduits for the following cameras:
 - a. One at each entrance/exit (2 total)
 - b. One outside each stair tower per level (8 total)
 - c. One outside each elevator tower per level (4 total)

DIVISION 31: EARTH WORK

BY OWNER

1. Required prior to FINFROCK mobilization and grading of site: Compacted, tested, and certified building pad, to an agreed upon elevation, and certified gridline intersections located at the four corners of the garage and benchmark elevation.

BY FINFROCK

1. None

DIVISION 31.1: STORM VAULT

BY OWNER

1. Vault engineering
2. Storm piping from vault to outside garage
3. Underground stormwater retention tank and associated piping, manholes, and other requirements.

BY FINFROCK

1. Elevated piping to stormwater system (connections by Others).

DIVISION 32: EXTERIOR IMPROVEMENTS

BY OWNER

1. Curbing, paving, striping, signage, and site lighting
2. Hardscape, sidewalks, landscaping, and irrigation

3. Benches, trash containers, tree grates, and porte-cocheres
4. Dumpster enclosures, and bike racks
5. Retaining walls outside the footprint of the building

BY FINFROCK

1. None

DIVISION 33: UTILITIES

BY OWNER

1. Utilities beyond those located in the Clarifications section and their tie-ins into existing or new lines.
2. Oil sand separators (if required).

BY FINFROCK

1. None



Section Six
CLARIFICATIONS

1. Notwithstanding anything contained herein or elsewhere to the contrary it is understood that 10% retainage shall be withheld until the project is 50% complete, at which time no further retainage may be withheld. Design-builder shall be entitled to a payment of retainage for all funds except those equal to 150% of the actual cost of remaining work upon substantial completion. Owner shall reasonably consider early release of retainage for subcontractors whose scopes are completed early in the project.
2. Notwithstanding anything contained herein or elsewhere to the contrary, it is understood that Design-builder shall be entitled to payment for material manufactured and suitably stored off site a precast manufacturer's facility. Adequate insurance, security, and documentation evidencing transfer of ownership shall be provided to owner.
3. Notwithstanding anything contained herein or elsewhere to the contrary, including but not limited to the agreement between the parties and any exhibits contained therein, should any inconsistency, conflict or dispute arise between this Clarification Section and any such other document, then Clarification Section shall govern.
4. Owner to provide stabilized staging area prepared to a LBR 40 as shown on site logistics plan contract exhibit (and access road to the project) for tractor-trailers loaded with precast concrete. The staging area should be approximately 350 ft. by 100 ft. to store approximately 20 loaded trailers at a time. The area must be fenced and must contain two 24 ft. gates to secure the loads above and provide room for maneuvering.
5. Owner to provide stabilized haul road prepared to a LBR 40 as shown on site logistics plan from public street to building footprint, and construction employee parking pad.
6. Owner to provide 'four corners' with offsets establishing building layout from property corners.
7. The FINFROCK precast structure will be constructed with tolerances in accordance with PCI Handbook 7th edition section 13.3 which includes special attention to exterior walls, floor levels, door openings and expansion joint widths that are shared with other structures. Similarly, we ask that adjacent structures also pay special attention to tolerances at these shared areas. Failure to maintain planned dimensions could result in additional work on FINFROCK's part and additional costs to the Owner.
8. This budget is based on schematic documents. FINFROCK will produce more detailed drawings and a guaranteed lump sum price through a two-part DBIA Contract.

9. Utilities are to be coordinated.
10. Sales and use taxes are included in compliance with a lump sum real property contract. Precast concrete is a product manufactured specifically for this project. As a manufacturer, we pay a use tax on the direct raw materials such as sand, cement, and reinforcing steel and on the direct labor and labor related overhead which makes up only a portion of the total precast concrete cost. Engineering, concrete mixing plant, casting tables, cranes, indirect labor, hauling and erection all add to the total cost of the product. As such, we will only be able to provide a tax savings on the use tax we would ordinarily pay for these certain direct costs. For more information please see the applicable sections of Florida Administrative Code Sections 12A-1.051 and 12A-1.043. Anything to the contrary notwithstanding, if any taxing entity should require or attempt to require tax (use, sales or otherwise) beyond as contemplated herein, by accepting this Scope of Work, you hereby agree to indemnify, defend and hold us harmless against any such claim or expenditure related to such requirement or attempted requirement, including the payment of such taxes and any and all legal fees (pre-litigation, post-litigation, during litigation and any collection costs). This requirement is hereby made a part of the Prime Contract by reference.
11. The Owner will provide and the Design-Builder is entitled to rely on geotechnical studies in developing the foundation design for maximum benefit to the Owner. These geotechnical studies may consist of Standard Penetration Tests, Pressure Probes, Ground Penetrating Radar, mass excavations, Pile Driving Tests and others. The type, depth and frequency of test is ultimately up to the Geotechnical Engineer. Finfrock can assist in reviewing the exploration plan prior to execution by providing a probable foundation plan, loads and settlement criteria. Additional borings and testing may be required depending on type and consistency of soils discovered. Please contact your Finfrock Representative for more information on this important matter.
12. The Owner will provide, and the Design-Builder is entitled to rely on, surveys describing the property for use during design and construction, including existing service and utility lines, geotechnical studies describing subsurface conditions, temporary and permanent easements, zoning and other requirements and encumbrances affecting land use; and, to the extent available, as-built and record drawings of any existing structures at the Site; and, to the extent available, environmental studies, reports and impact statements describing the environmental conditions, including hazardous conditions, in existence at the site.
13. In the event the Buyer requires participation in an Owner or Contractor Controlled Insurance Program or any other similar insurance program, FINFROCK will only provide credits for insurance premiums matching those actually received for such a program.

14. Construction materials for work to be performed by others shall not be stored in or conveyed through the garage without written approval by FINFROCK.
15. Storing of heavy vehicles and/or materials in the garage may void the warranty and may result in additional costs to inspect and repair the structure, rails, doors, etc.
16. Any additional costs due to cleaning, restriping or repair of the garage in any way due to use of the garage by others before FINFROCK completion and turnover will be an additional cost to the Owner.
17. To the extent any warranty is provided in excess of one (1) year, it is understood that the bonds provided (if any) are not applicable to any duration in excess of one (1) year.



Section Seven
EXCLUSIONS

1. Notwithstanding anything contained herein or elsewhere to the contrary, including but not limited to the agreement between the parties and any exhibits contained therein, should any inconsistency, conflict or dispute arise between this Exclusion Section and any such other document, then Exclusion Section shall govern.
2. Builder's Risk Insurance, including premiums and deductibles.
3. Building permit, impact fees and environmental fees.
4. Localized zoning, architectural review boards, planning boards, historical districts, neighborhood planning board requirements, and campus specifications.
5. Primary and secondary conduits/conductors and transformers beyond those called out for in clarifications.
6. Geotechnical reporting and inspections.
7. Additional time and costs due to buried debris, deleterious soils, sink holes, settlement, shifting, heaving or other soil anomalies irrespective if these conditions are hidden or unique to this project.
8. Testing of materials. Be advised that the geotechnical report may restrict who may be hired for geotechnical observations and materials testing.
9. Threshold inspection services.
10. FF&E other than specifically included in above narrative.
11. Tele/data wire to structure and final location.
12. Fire alarm monitoring and proprietary fire alarm panels.
13. Elevator monitoring.
14. Aerial pedestrian bridges.
15. Site work, civil engineering, civil fees, landscaping, and irrigation.
16. Site lighting.
17. Utilities beyond those listed under clarifications.
18. Retail Tenant Improvement.
19. Stormwater retention system under slab.
20. Individual water and power meters for retail spaces.
21. Finishes at the elevator lobbies beyond painted precast walls.
22. LEED design and construction.
23. Davis-Bacon or prevailing wages.
24. Chain link or security fencing for site once complete.
25. Provision for expansion of size and foundations for future phases.

26. Site exterior walls, fences and partitions.
27. Lockers, fencing and bike storage under garage ramp.
28. Grade spandrels.
29. Painting of standpipes.
30. Fire alarm systems.
31. Fire alarm voice evacuation.
32. Security, panic buttons, cameras, monitors, and recording devices.
33. Speed bumps
34. Security design and construction other than specifically called for above.
35. Compliance with AHCA requirements.
36. High-rise requirements (not required for this project).
37. ADA/Fair Housing and accessible stall counts and locations are preliminary in garages that are segregated. We will review this requirement during design development.
38. Factory Mutual Insurance Requirements
39. Emergency Responder communication devices
40. Signal Survey of Public Safety Radio frequencies.
41. Public Safety DAS/BDA raceways, cabling and devices.
42. Public Safety DAS/BDA cabling and devices.
43. Police inspection items such as safety mirrors.
44. Design, inspections, or schedule attainment for any work by others, including schedule and TCO/CO attainment for FINFROCK work due to delay in work by others

EXHIBIT E: SCHEMATIC DOCUMENTS

Exempt pursuant to Section 119.071(3)(b)(1), and will be attached to this Agreement prior to execution.

Exhibit F: Design-Builder's Permit List



DESIGN BUILDER'S PERMIT LIST

COSTS NOT INCLUDED IN PRICE BUT ARE TO BE OBTAINED BY DESIGN BUILDER :

1. Building Permit

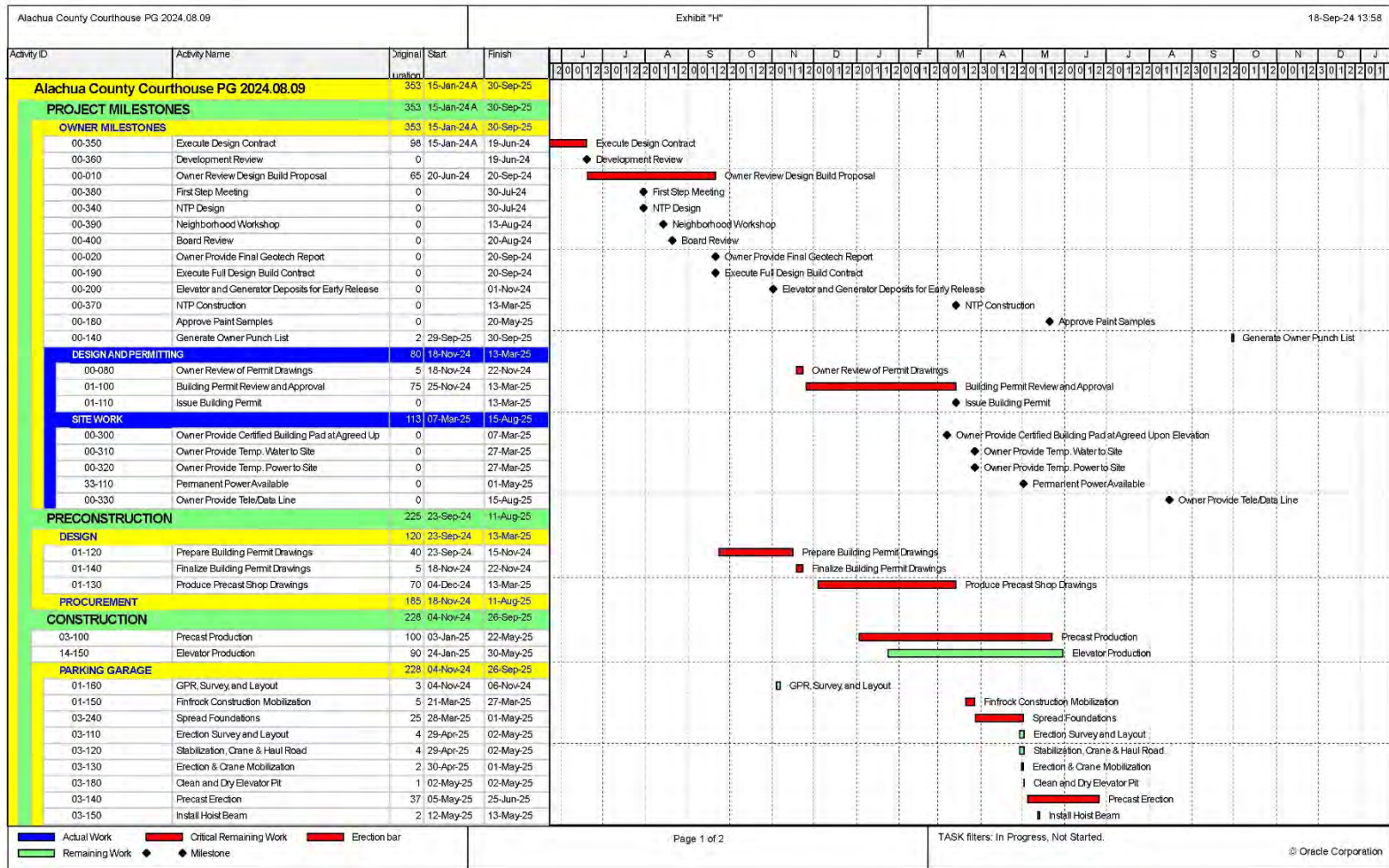
COSTS INCLUDED IN THE PRICE AND ARE BY DESIGN BUILDER :

1. Subtrade permits, including fire protection, plumbing, mechanical, and electrical

COSTS NOT INCLUDED IN PRICE AND NOT TO BE OBTAINED BY DESIGN BUILDER :

1. Site Permit
2. National Pollutant Discharge Eliminations System (NPDES) permit for construction activities, if applicable, from the Environmental Protection Agency
3. Demo/Asbestos Abatement permit
4. Tree Mitigation Plan

Exhibit G: Project Schedule



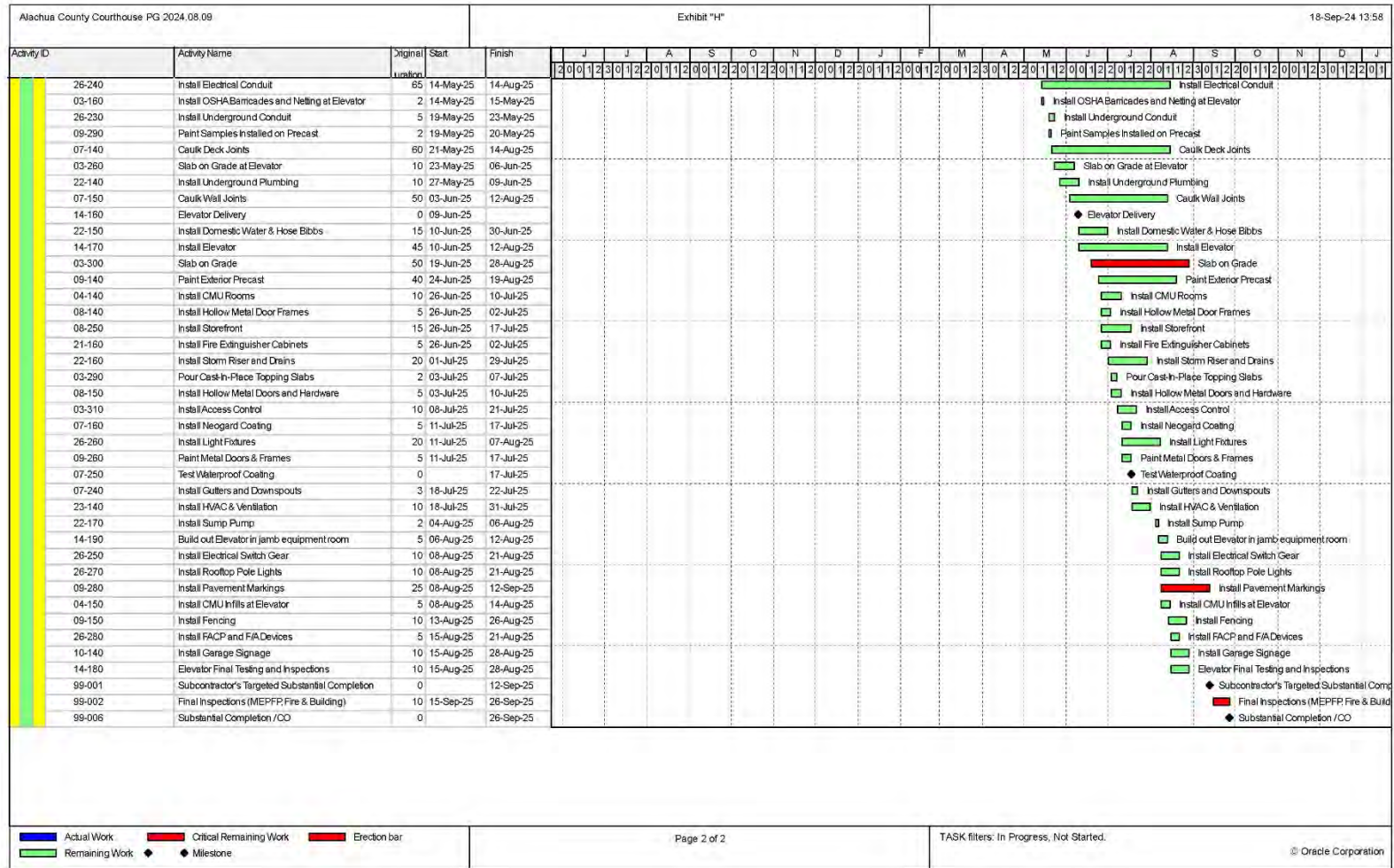


Exhibit H: Owner's Geotechnical Report



**SUMMARY REPORT OF A
GEOTECHNICAL SITE EXPLORATION**

**PROPOSED ALACHUA COUNTY CIVIL COURTHOUSE COMPLEX
GAINESVILLE, ALACHUA COUNTY, FLORIDA**

GSE PROJECT NO. 16497

Prepared For:

EDA CONSULTANTS, INC.

MAY 2024



May 20, 2024

Sergio Reyes
eda consultants, inc.
720 SW 2nd Avenue
South Tower, Suite 300
Gainesville, Florida 32601

Subject: Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497

GSE Engineering & Consulting, Inc. (GSE) is pleased to submit this geotechnical site exploration report for the above referenced project.

Presented herein are the findings and conclusions of our exploration, including the geotechnical parameters and recommendations to assist with building foundation, pavement, and stormwater management facility designs.

GSE appreciates this opportunity to have assisted you on this project. If you have any questions or comments concerning this report, please contact us.

Sincerely,

GSE Engineering & Consulting, Inc.

Kevin P. Fisher, E.I.
Staff Engineer



This item has been digitally signed and sealed by
Kenneth L Hill
Digitally signed by
Kenneth L Hill
Date: 2024.05.20
16:00:35 -04'00'
on the date adjacent to the seal. Printed copies
of this document are not considered signed and
sealed and the signature must be verified on any
electronic copies.

Kenneth L. Hill, P.E.
Principal Engineer
Florida Registration No. 40146

KPF/KLI:hf
Q:\Projects\16497 Proposed Alachua County Civil Courthouse Complex\16497.docx

Distribution: Addressee (1 – Electronic)
File (1)

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TABLE OF CONTENTS

LIST OF FIGURES iii

1.0 INTRODUCTION 1-1

 1.1 General 1-1

 1.2 Project Description 1-1

 1.3 Purpose 1-2

2.0 FIELD AND LABORATORY TESTS 2-1

 2.1 General Description 2-1

 2.2 Standard Penetration Test Borings 2-1

 2.3 Cone Penetration Test (CPT) Soundings 2-1

 2.4 Auger Borings 2-2

 2.5 Soil Laboratory Tests 2-2

3.0 FINDINGS 3-1

 3.1 Surface Conditions 3-1

 3.2 Subsurface Conditions 3-1

 3.3 Review of Published Data 3-2

 3.4 Laboratory Soil Analysis 3-3

4.0 EVALUATION AND RECOMMENDATIONS 4-1

 4.1 General 4-1

 4.2 Groundwater 4-1

 4.3 Building Foundations 4-1

 4.4 Parking Garage Ground Slab 4-3

 4.5 Retaining Walls 4-3

 4.6 Flexible Pavement 4-5

 4.7 Rigid Pavement 4-6

 4.8 Site Preparation 4-7

 4.9 Quality Control and Construction Materials Testing 4-8

 4.10 Stormwater Management 4-8

 4.11 Fill Suitability 4-10

 4.12 Surface Water Control and Landscaping 4-11

5.0 FIELD DATA 5-1

 5.1 Standard Penetration Test Soil Boring Logs 5-2

 5.2 CPT Sounding Results 5-3

 5.3 Auger Boring Logs 5-4

 5.4 Laboratory Results 5-5

 5.5 Key to Soil Classification 5-6

6.0 LIMITATIONS 6-1

 6.1 Warranty 6-1

 6.2 SPT, CPT, and Auger Borings 6-1

 6.3 Site Figures 6-1

 6.4 Unanticipated Soil Conditions 6-1

 6.5 Misinterpretation of Soil Engineering Report 6-1

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

LIST OF FIGURES

Figure

1. Project Site Location Map
2. Site Plan Showing Approximate Locations of Field Tests

1.0 INTRODUCTION

1.1 General

GSE Engineering & Consulting, Inc. (GSE) has completed this geotechnical exploration for the proposed Alachua County Civil Courthouse Complex located in Gainesville, Alachua County, Florida. This exploration was performed in accordance with GSE Proposal No. 2024-099 dated February 22, 2024. Our services were authorized on February 23, 2024.

1.2 Project Description

This project will consist of a Civil Courthouse expansion, a Parking Garage, a Central Energy Plant, and underground stormwater management facilities. The site is located on the north side of SW 4th Avenue between S. Main Street and SW 2nd Street in Gainesville, Alachua County, Florida.

You provided information about the project and site plans illustrating the locations of the proposed improvements and requested soil borings. The Civil Courthouse will be a five- to six-story structure with a two-story wing at the southeast corner. A four- to five-story wing will be constructed at the north end of the building that connects to the existing criminal courthouse. The Parking Garage will be a five-story structure. The Central Energy Plant will have perimeter containment walls that enclose electrical/mechanical equipment.

The Civil Courthouse building is expected to be a combination of reinforced concrete and steel construction. Structural loads have not been provided but are anticipated to be on the order of 250 to 750 kips for columns and 5 to 10 kips per foot for load bearing walls. The ground floor of the building will match the existing Criminal Courthouse at elevation 174.02 feet. This elevation is approximately 4 feet above site grades at the north end of the building and 9 feet above site grades at the south end of the building. We anticipate the foundations for the building will be set in native soil, and fill placed within the perimeter stem walls will support the floor slab. We have evaluated the courthouse building for a maximum tolerable settlement of 1 inch.

The Parking Garage is expected to be a pre-cast concrete structure. Structural loads were provided by Finrock. The worst-case loads are anticipated to be on the order of 941 kips for columns and 33.3 kips per foot for shear walls. The ground floor of the garage is expected to be constructed near the existing site grades. Some filling beneath the ramp to the second floor is anticipated. We understand from Finrock the parking garage can tolerate up to 1.5 inches of total settlement and 0.75 inches of differential settlement.

The Central Energy Plant is expected to contain steel framing that supports mechanical equipment. Chillers in the Central Energy Plant will weigh 25 kips. We anticipate structural loads for the Central Energy Plant will range from 50 to 200 kips.

The stormwater management facilities are expected to be underground systems located beneath the Parking Garage ground floor, beneath the pedestrian paths, and beneath green spaces on the property.

We used the provided information in preparation of this report.

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

1.3 Purpose

The purpose of this geotechnical exploration was to determine the general subsurface conditions, evaluate these conditions with respect to the proposed construction, and prepare geotechnical recommendations to assist with building foundation, pavement, and stormwater management facility designs.

2.0 FIELD AND LABORATORY TESTS

2.1 General Description

The procedures used for field sampling and testing are in general accordance with industry standards of care and established geotechnical engineering practices for this geographic region. This exploration consisted of performing eight (8) Standard Penetration Test (SPT) borings to depths of 53 to 60 feet below land surface (bls) within the proposed Parking Garage, eight (8) SPT borings to depths of 50 feet bls within the proposed Civil Courthouse building, three (3) SPT borings to depths of 50 to 60 feet bls at the proposed Central Energy Plant, four (4) cone penetrometer test (CPT) soundings to depths of 50 to 56 feet bls within the proposed Parking Garage, two (2) CPT soundings to depths of 52 to 53 feet bls within the proposed Civil Courthouse building, and twenty-five (25) auger borings to depths of 15 feet bls in the area of the underground stormwater management facilities.

The soil borings were performed at the approximate locations as shown on Figure 2. The borings were located at the site using the provided site plan, Global Positioning System (GPS) coordinates, and obvious site features as reference. The boring locations should be considered approximate. The soil borings were performed from March 5 through March 14, 2024. The CPT soundings were performed from March 20 through March 21, 2024.

2.2 Standard Penetration Test Borings

The soil borings were performed with a drill rig employing mud rotary drilling techniques and Standard Penetration Testing (SPT) in accordance with ASTM D1586. The SPTs were performed continuously to 10 feet and at 5-foot intervals thereafter. Soil samples were obtained at the depths where the SPTs were performed. The soil samples were classified in the field, placed in sealed containers, and returned to our laboratory for further evaluation.

After drilling to the sampling depth and flushing the borehole, the standard two-inch O.D. split-barrel sampler was seated by driving it 6 inches into the undisturbed soil. Then the sampler was driven an additional 12 inches by blows of a 140-pound hammer falling 30 inches. The number of blows required to produce the next 12 inches of penetration were recorded as the penetration resistance (N-value). These values and the complete SPT boring logs are provided in Section 5.1.

Upon completion of the sampling, the boreholes were abandoned in accordance with Water Management District guidelines.

2.3 Cone Penetration Test (CPT) Soundings

The cone penetrometer utilizes a standard cone that, because of its size, is inserted by a hydraulic ram installed on a heavy object for resistance (in this case a large truck). The cone includes two sensors. The tip sensor measures the resistance of the soil being penetrated to insertion of the cone. The second sensor, which is a sleeve on the side of the cone just above the tip, measures the frictional resistance of the soil against the sides of the cone. The advantages of using an electronic friction cone system are the ability to collect continuous data with depth, and the ability to directly measure in-situ soil resistance and correlate to modulus. The data from SPT borings are correlated to estimate soil modulus, and thus are not as precise when used for estimating foundation settlements. The disadvantage of cone penetrometer testing is that soil samples cannot be collected. Correlations between CPT soundings and SPT tests are used to estimate the soil types penetrated by the cone.

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

ASTM Method D5778 governs use of the cone penetrometer. Results of the CPT soundings are provided in Section 5.2.

2.4 Auger Borings

The auger borings were performed in accordance with ASTM D1452. The borings were performed with flight auger equipment that was rotated into the ground in a manner that reduces soil disturbance. After penetrating to the required depth, the auger was retracted and the soils collected on the auger flights were field classified and placed in sealed containers. Representative samples of each stratum were retained from the auger boring. Results from the auger borings are provided in Section 5.3.

2.5 Soil Laboratory Tests

The soil samples recovered from the soil borings were returned to our laboratory, and examined to confirm the field descriptions. Representative samples were then selected for laboratory testing. The laboratory tests consisted of twenty-four (24) percent soil fines passing the No. 200 sieve determinations, twenty-four (24) natural moisture content determinations, two (2) Atterberg Limits tests, three (3) organic content tests, and seventeen (17) constant head hydraulic conductivity tests. These tests were performed in order to aid in classifying the soils and to further evaluate their engineering properties. The laboratory tests are provided in Section 5.4.

3.0 FINDINGS

3.1 Surface Conditions

Mr. Douglas Walker with GSE visited the site on February 28, 2024 to observe the site conditions and mark the boring locations.

The site consists of existing parking lots, roadways, and open spaces adjacent to the existing criminal courthouse building. Some landscaped areas are located sporadically throughout the site. The site is bordered to the east by South Main Street, to the west by SW 2nd Street, to the south by SW 4th Avenue, and to the north by the existing criminal courthouse. SW 3rd Avenue and SW 1st Street, which run through the center of the site, will be abandoned.

The topography at the site is gently sloping down toward the south from the northern portion of the site. Regional topography is gently sloping down towards the south. The provided Topographic Survey indicates the ground surface elevations at the site are near elevations 165 to 172 feet. The area of the Parking Garage slopes gently down to the south with elevations of about 165 to 170 feet. The area of the Central Energy Plant slopes gently down to the south with elevations of about 169 to 172 feet. The area of the courthouse building slopes gently down to the south with elevations of about 165 to 170 feet.

3.2 Subsurface Conditions

The locations of the SPT borings, CPT soundings, and auger borings are provided on Figure 2. Complete logs for the borings are provided in Sections 5.1, 5.2, and 5.3. Descriptions for the soils encountered are accompanied by the Unified Soil Classification System symbol (SM, SP-SM, etc.) and are based on visual examination of the recovered soil samples, the laboratory tests performed, or correlated from skin friction and tip resistance from the CPT soundings. Stratification boundaries between the soil types should be considered approximate, as the actual transition between soil types may be gradual.

The soil borings at the building locations encountered relatively consistent subsurface conditions. The soil borings generally encountered 20 to 30 feet of sand, sand with silt and silty sand (SP, SP-SM, SM) overlying silty clayey sand (SM/SC), clayey sand (SC) and sandy clay (CL/CH) to the explored depths of 50 and 60 feet bls. Some of the clay-rich soils below a depth of 30 feet contained traces of phosphate. There were a few layers of clayey sand interbedded into the sand column at depths of about 15 feet bls.

The SPT testing indicates the sandy soils are in a loose condition to depths of 6 to 8 feet bls. The sandy soils then become medium dense to very dense. The transition to the silty clayey sand and clayey sand results in a decline in soil strength, with these materials beginning in a loose condition and then a steady increasing in relative density to a medium dense and dense condition. The heavy clays are typically stiff to hard.

The cone penetrometer soundings indicate a soil profile similar to the SPT borings, first penetrating sand (SP, SP-SM, SM) to depths of 25 to 30 feet bls overlying silty sands, clayey sands, sandy silts, and clays (SM, SC, ML, CL/CH) to the maximum explored depth of 56 feet bls. The cone soundings found a similar strength profile, beginning with loose sands becoming medium dense to very dense to about 25 to 30 feet bls. The soil strength profile weakens at about 25 to 30 feet bls where the soil transitions into the silty and clayey sands. This weak zone extends to about 35 to 40 feet bls where the soil becomes medium dense to dense to the sounding termination depths.

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

The auger borings performed in areas of underground stormwater management facilities generally encountered sand, sand with silt, and silty sand (SP, SP-SM, SM) to the explored depths of 15 feet bls. Auger boring P-18 encountered interbedded clayey sand (SC) from 9 to 11.5 feet bls.

The groundwater table was encountered in the auger borings at depths of 11 to 14.5 feet bls. The groundwater depth was not determined in the SPT borings due to the mud rotary method of advancing the boreholes. The CPT soundings indicated groundwater was encountered at a depth of 5 feet bls.

3.3 Review of Published Data

The site is mapped as two soil series by the Soil Conservation Service (SCS) Soil Survey for Alachua County¹. The following soil descriptions are from the Soil Survey.

Urban land - In areas mapped as Urban land, 85 percent or more of the surface is covered with shopping centers, parking lots, buildings, streets, sidewalks, and related facilities. The natural soil cannot be observed. The few small open areas, mostly parks and vacant lots, are soils of the Arredondo, Blichton, Millhopper, Sparr, and Wauchula series. Many of these open areas have been altered by cutting and shaping or by having fill material spread on the surface. Slopes range from 0 to 2 percent.

Included with this Urban land in mapping are small areas that are only about 55 to 85 percent covered with urban facilities. Total included areas are about 15 percent.

Blichton-Urban land complex, 0 to 5 percent slopes - This complex consists of poorly drained, nearly level to gently sloping Blichton soils and Urban land. It is in irregularly shaped, relatively small areas in the southern and western parts of urbanized Gainesville.

About 50 to 85 percent of each delineation is open areas of Blichton soils. These open areas are garden, vacant lots, lawns, and playgrounds. They are so small or so intermingled with areas of Urban land that it is impractical to map them separately. About 20 to 30 percent of the soils in these open areas have been modified by cutting, grading, and spreading of soil materials during urban related construction and development.

About 15 to 50 percent of each delineation is Urban land. Urban land consists of areas covered with houses, streets, parking lots, sidewalks, industrial building, and other structures. The Urban land of this map unit is generally developed on Blichton sand or fine sand.

Typically, the surface layer of Blichton soils is dark grayish brown sand about 6 inches thick. The subsurface layer is grayish brown to light brownish gray sand to a depth of about 22 inches. The subsoil extends to a depth of 80 inches or more. The upper 6 inches is dark gray or gray sandy clay loam.

Bivans, Kanapaha, and Sparr soils make up about 10 to 20 percent of the open areas in some delineations. A few small areas of Blichton soils that have 5 to 8 percent slopes are also included.

¹ Soil Survey of Alachua County, Florida. Soil Conservation Service, U.S. Department of Agriculture.

In the Blycton soils, the water table is within 10 inches of the surface for about 1 to 4 months during most years. During dry periods it recedes to a depth of more than 40 inches. Natural fertility is low. Organic matter content is low to moderate. Permeability of the sandy surface and subsurface layers is rapid, and it is slow to moderately slow in the loamy subsoil. Available water capacity is low in the sandy surface and subsurface layers and low to medium in the subsoil.

3.4 Laboratory Soil Analysis

Selected soil samples recovered from the soil borings were analyzed for the percent soil fines passing the No. 200 sieve, natural moisture content, constant head hydraulic conductivity, organic content, and Atterberg Limits. Samples selected for laboratory testing were collected at depths ranging from 3 to 35 feet bls. These tests were performed to confirm visual soil classification and evaluate their engineering properties. The complete laboratory report is provided in Section 5.3.

The laboratory tests indicate the tested soils consist of poorly graded sand, sand with silt, silty sand, silty sand with trace clay, clayey sand, and clay.

The tested poorly graded sand (SP) contains approximately 3.1 to 4.0 percent soil fines passing the No. 200 sieve with natural moisture contents of about 2.8 to 20 percent. The tested sand with silt (SP-SM) contains approximately 5.1 to 11 percent soil fines passing the No. 200 sieve with natural moisture contents of about 3.7 to 22 percent. The tested silty sand and silty sand with trace clay (SM) contains approximately 12 to 26 percent soil fines passing the No. 200 sieve with natural moisture contents of about 8.8 to 14 percent. The tested clayey sand (SC) contains approximately 28 percent soil fines passing the No. 200 sieve with natural moisture contents of about 16 to 51 percent. The tested clay (CH) contains approximately 87 percent soil fines passing the No. 200 sieve with a natural moisture content of about 44 percent.

The Atterberg Limits test indicate clayey sand (SC) has a Liquid Limit (LL) value of 42, Plastic Limit (PL) value 17, and Plasticity Index (PI) value of 25. This corresponds to a material with low ($LL < 50$) to marginal ($25 \leq PI \leq 35$) potential for expansive behavior².

The tested clay (CH) has 87 percent soil fines passing the No. 200 sieve with a natural moisture content of 44 percent. This soil has an LL value of 105, PL value of 31, and PI value of 74. This corresponds to materials with high potential ($LL > 60$ and $PI > 35$) for expansive behavior.

The constant head hydraulic conductivity test results indicate the near-surface poorly graded sand, sand with silt, and silty sand with trace clay (SP, SP-SM, SM) has hydraulic conductivity values of 0.6 to 29 feet per day. Tests were not conducted on the deeper clayey sand and clay due to the limitations of the test method on soils having moderate to high fines content, but these soils are expected to behave as confining soils.

The organic content determinations indicate the tested poorly graded sand, sand with silt, and silty sand (SP, SP-SM, SM) contains approximately 1.0 to 1.3 percent organic matter. Typically, soils with greater than 5 percent organic content are considered unsuitable for shallow foundation support.

² U.S. Department of the Army USA, 1983, Foundations in Expansive Soils, TM 5-818-7, p. 4-1.

4.0 EVALUATION AND RECOMMENDATIONS

4.1 General

The following recommendations are made based upon our understanding of the proposed construction; a review of the attached soil borings, CPT soundings, and laboratory test data; and our experience with similar projects and subsurface conditions. If plans or the location of proposed construction changes from those discussed previously, GSE requests the opportunity to review and possibly amend our recommendations with respect to those changes.

The final design of a foundation system is dependent upon adequate integration of geotechnical and structural engineering considerations. Consequently, GSE must review the final foundation design in order to evaluate the effectiveness and applicability of our initial analyses, and to determine if additional recommendations may be warranted. Without such a review, the recommendations presented herein could be misinterpreted or misapplied resulting in potentially unacceptable performance of the foundation system.

The performance of site improvements may be sensitive to their post-construction relationship to site groundwater levels, seepage zones, or soil/rock characteristics exposed at final site grades. GSE recommends that use of boring/CPT sounding information for final design of all site improvements be predicated on proper horizontal and vertical control of borings/CPT soundings.

In this section of the report, we present our geotechnical parameters and recommendations to assist with building foundation, pavement, and stormwater management designs as well as general site preparation guidelines.

4.2 Groundwater

The groundwater table was encountered in the auger borings at depths of 11 to 14.5 feet bls. Groundwater was not determined in the SPT borings due to the mud rotary method of advancing the boreholes. The CPT soundings indicate groundwater is at a depth of 5 feet bls. We returned to the site on April 17, 2024 and performed three additional hand auger borings to further evaluate groundwater conditions, and groundwater was not encountered within a depth of 10 feet bls.

Based upon the soil boring and CPT sounding results, and our experience on adjacent sites, we estimate the seasonal high groundwater table will be at a depth of approximately 6 to 8 feet bls. Our estimates for the seasonal high groundwater table are indicated on the individual logs.

4.3 Building Foundations

The soil borings and CPT soundings performed at the Parking Garage, Civil Courthouse building, and Central Energy Plant found similar subsurface conditions, with loose to dense sand extending to about 25 feet below land surface overlying very loose to medium dense silty and clayey sand, clayey sand, and sandy clay. The surficial sands become medium dense to dense at about 4 to 5 feet below land surface. The soil borings encountered a weaker zone at about 30 feet below land surface, and this zone is common in this area of Gainesville and is a depositional feature. The soil below this zone then increases in strength to the soil boring termination depths. These soil conditions have the ability to support conventional, shallow foundations at relatively high soil bearing pressures.

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

It is GSE's understanding the ground floor of the Civil Courthouse building will match the existing Criminal Courthouse building at elevation 174.02 feet. We have considered perimeter stem walls will be used to raise the floor elevation, with the depth of retained fill varying from about 4 to 9 feet. We have considered the perimeter foundations for all structures will be constructed in the native subgrade soils, and not in fill soils. Interior foundations may be constructed in native soils or on fill soils. Foundations for the Parking Garage and Central Energy Plant are expected to mostly be constructed in native soil.

GSE recommends the foundations for the Civil Courthouse building and Central Energy Plant be designed for a maximum allowable gross bearing pressure of 4,000 pounds per square foot (psf). The gross bearing pressure is defined as the soil contact pressure that can be imposed from the maximum structural loads, weight of the concrete foundations, and weight of the soil above the foundations. The foundations should be designed based upon the maximum load that could be imposed by all loading conditions.

Due to the greater tolerable settlement, GSE recommends the foundations for the Parking Garage be designed for a maximum allowable gross bearing pressure of 6,000 pounds per square foot (psf). The gross bearing pressure is defined as the soil contact pressure that can be imposed from the maximum structural loads, weight of the concrete foundations, and weight of the soil above the foundations. The foundations should be designed based upon the maximum load that could be imposed by all loading conditions.

The foundations should be embedded a minimum of 2 feet below the lowest adjacent grade. Interior foundations or thickened sections should be embedded a minimum of 18 inches. We anticipate foundation embedment will actually be on the order of 3 to 4 feet below the existing site grades. The foundations should have minimum widths of 18 inches for continuous footings and 24 inches for isolated footings, even though the maximum soil bearing pressure may not be fully developed.

Due to the mostly sandy nature of the majority of the near-surface soils, we expect settlement to be mostly elastic in nature. The majority of the settlement will occur on application of the loads, during and immediately following construction. Using the recommended maximum bearing pressure, the assumed maximum structural loads, and the field and laboratory test data which we have correlated into the strength and compressibility characteristics of the subsurface soils, we estimate the total settlements of the structure to be 0.75 inches or less, with approximately half of it occurring upon load application (during construction).

Differential settlement results from differences in applied bearing pressures and the variations in the compressibility characteristics of the subsurface soils. For the building pad prepared as recommended, we anticipate differential settlement of less than 1/2 inch.

Post-construction settlement of the structures will be influenced by several interrelated factors, such as (1) subsurface stratification and strength/compressibility characteristics of the bearing soils; (2) footing size, bearing level, applied loads, and resulting bearing pressures beneath the foundation; (3) site preparation and earthwork construction techniques used by the contractor, and (4) external factors, including but not limited to vibration from off-site sources and groundwater fluctuations beyond those normally anticipated for the naturally-occurring site and soil conditions which are present.

Our settlement estimates for the structure are based upon our limited understanding of the structural loads and site grading and the use of successful adherence to the site preparation recommendations presented later in this report. Any deviation from our project understanding and/or our site preparation recommendations could result in an increase in the estimated post-construction settlement of the structure.

4.4 Parking Garage Ground Slab

We understand the Parking Garage ground slab may be supported on both native soil and fill soil. Further, stormwater management may be located beneath some of the Parking Garage ground slab. We recommend the ground slab consider the subgrade and fill soil will have a modulus of subgrade reaction (k) of 150 pounds per cubic inch (pci).

4.5 Retaining Walls

GSE recommends retaining walls and stem walls be designed to resist the lateral loads of the retained fill. For cantilever type walls retaining clean sand fill, we recommend the walls be designed assuming the retained fill will exert a later load equivalent to a fluid having a unit weight of 40 pounds per cubic foot (pcf). This considers a soil unit weight of 110 pcf and a coefficient of lateral earth pressure for the active condition, K_a , of 0.36. For braced walls (walls that are tied into the floor slab or structure), we recommend the walls be designed assuming the fill will exert a lateral load equivalent to a fluid having a unit weight of 60 pcf. This considers a soil unit weight of 110 pcf and a coefficient of lateral earth pressure for the at-rest condition, K_o , of 0.55. A friction coefficient of 0.35 can be used at the base of the foundation.

Retaining walls that will be retaining fill placed above grade will not likely have groundwater build up behind the walls. However, it is standard practice to provide some drainage relief from behind the walls, and this can consist of weep holes or a foundation drain. The above design parameters do not consider any hydrostatic pressure behind the walls.

4.5.1 Lateral Earth Pressures

Lateral earth pressures for design of below grade structures can be calculated using a hydrostatic pressure distribution from an equivalent fluid having varying densities for various conditions. These values assume native sands with an angle of internal friction of about 32 degrees, a moist unit weight of 110 pcf and a saturated unit weight of 124 pcf.

We recommend the backfill soils for below grade structures consist of clean sand having less than 10 percent soil fines passing the No. 200 sieve. The sand backfill should be compacted to at least 95 percent of the Modified Proctor maximum dry density. The following parameters consider the native soils.

- Angle of Internal Friction, $\phi = 32$ degrees
- Active Lateral Earth Pressure Coefficient, $K_a = 0.31$
- Passive Lateral Earth Pressure Coefficient, $K_p = 3.25$
- At-rest Lateral Earth Pressure Coefficient, $K_o = 0.47$
- Unit Weight of Soil (Moist), $\gamma_m = 110$ pcf
- Unit Weight of Soil (Submerged), $\gamma_s = 62$ pcf

Summary Report of a Geotechnical Site Exploration
 Proposed Alachua County Civil Courthouse Complex
 Gainesville, Alachua County, Florida
 GSE Project No. 16497

May 20, 2024

These values correspond to equivalent fluid densities of 35 pcf, 358 pcf, and 52 pcf for the drained (dry) active, passive, and at-rest conditions, respectively. For undrained (saturated) conditions, these values would correspond to 25 pcf, 205 pcf, and 30 pcf for active, passive, and at-rest conditions, respectively. The values do not contain a factor of safety and do not include the lateral stress from groundwater (62 pcf). An appropriate factor of safety should be used in the design. GSE recommends you design for full hydrostatic pressure even though the backfill soils may not be saturated during highwater.

Undrained conditions assume that the full water pressure can develop behind the structure, in addition to the retained earth pressure. Drained conditions assume no hydrostatic (water) pressure can develop due to positive or artificial drainage behind the structure or the absence of a water table, and includes only the moist soil earth pressure.

4.5.2 Shoring and Bracing

The contractor will be responsible to provide a safe excavation during the construction activities of the project. All excavations should be conducted in accordance with applicable federal, state, and local safety regulations, including, but not limited to the Occupational Safety and Health administration (OSHA) excavation safety standards. Excavation stability and soil pressures on temporary shoring are dependent on soil conditions, depth of excavations, installation procedures, and the magnitude of any surcharge loads on the ground surface adjacent to the excavation. Excavation near existing structures and underground utilities should be performed with extreme care to avoid undermining existing structures. Excavations should not extend below the level of adjacent existing foundations or utilities unless underpinning or other support is installed. It is the responsibility of the contractor for field determinations of applicable conditions and providing adequate shoring for all excavation activities.

If temporary shoring and bracing is required for any excavation, the system should be designed to resist lateral earth pressure of the native in situ soils they resist.

The design earth pressure will be a function of the flexibility of the shoring and bracing system. For a flexible system restrained laterally by braces placed as the excavation proceeds, the design pressures for shoring and bracing can be computed using a uniform earth pressure distribution with depth. It is recommended that well points be used to dewater around the excavations. For such dewatered excavations, we recommend using the following uniform pressure distribution over the full braced height as follows:

Uniform Soil Pressure Distribution³, $p = 0.65 K_o \gamma_m H$

Where:

p = uniform pressure distribution for design of braced excavation

K_o = At-rest Lateral Earth Pressure Coefficient, 0.47

γ_m = Unit Weight of Soil (Moist), 110 pcf

H = depth of excavation

³ Joseph E. Bowles (1977) *Foundation Analysis and Design Second Edition*, McGraw Hill, Inc., pg. 456

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

Lateral pressure distributions determined in accordance with the above do not take hydrostatic pressures or surcharge loads into account. To the extent that such pressures and forces may act on the walls, they should be included in the design. An appropriate factor of safety should be applied for the design of the braced excavation.

Construction equipment and excavated fill should be kept a minimum distance of 5 feet from the edge of the braced or shored excavation. Stockpiled material placed adjacent to (5 feet away from) the braced or shored excavation should have a minimum slope of 2 horizontal to 1 vertical.

4.6 Flexible Pavement

We understand the project may include incidental asphalt pavement. Overall soil conditions encountered by our borings at this site are suitable for supporting conventional limerock base and asphalt wearing surface pavements. We have not been provided the anticipated traffic loading conditions; therefore, the following pavement component recommendations should be used only as guidelines. The below recommendations are intended to be minimums. Increasing base course and asphalt thicknesses would increase the design life of the pavement.

We recommend a minimum separation of 24 inches be present between the bottom of the base course and the top of the clay-rich soils containing greater than about 25 percent soil fines. Review of the boring logs suggests this separation will likely be present across the project site.

4.6.1 Stabilized Subgrade

If a crushed limerock or recycled concrete base is used, we recommend a stabilized subgrade be located beneath the base. The stabilized subgrade should have a minimum Limerock Bearing Ratio (LBR) of 40, with minimum thicknesses of 6 inches for automobile parking areas and 12 inches for driveways.

The stabilized subgrade can be imported material or a mixture of imported and on-site material. If a mix is proposed, a mix design should be performed to determine the optimum mix proportions. The stabilized subgrade should be compacted to a minimum of 98 percent of the Modified Proctor maximum dry density (ASTM D1557) for soils with less than 15 percent fines content. Soils with 15 percent or greater fines content should be compacted to 100 percent of the Standard Proctor maximum dry density (ASTM D698).

4.6.2 Base Course

The base course can consist of either crushed limerock, soil cement, or recycled concrete. If you should use a soil cement base course, a stabilized subgrade is not required.

Limerock should have a LBR of at least 100, be obtained from a FDOT approved source and meet FDOT gradation requirements. The base course thickness should be a minimum of 6 inches in automobile parking areas, and 8 inches in driveway areas. The base course should be compacted to at least 98 percent of the Modified Proctor maximum dry density (ASTM D1557). We recommend a minimum 24 inches separation between the bottom of the limerock base course and the estimated seasonal high-water table. If site grading does not allow for this separation, we recommend underdrains be considered.

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

Soil cement can consist of an imported material or a blend of the on-site soils and cement. A mix design should be performed to determine the optimum cement content. We recommend the soil cement have a minimum 28-day compressive strength of 500 psi. Soil cement can be blended off-site (in a pug mill) or on site. Soil cement pills should be cast from each day's production to verify the recommended compressive strength has been achieved at 28 days. We recommend the soil cement base course be a minimum of 8 inches thick throughout the project. We recommend a minimum 18 inches separation between the bottom of the soil cement base course and the estimated seasonal high-water table. If site grading does not allow for this separation, we recommend underdrains be considered.

Recycled concrete should have an LBR of at least 150, be obtained from a FDOT approved source and meet FDOT gradation requirements. The base course thickness should be a minimum of 8 inches. The base course should be compacted to at least 98 percent of the Modified Proctor maximum dry density (ASTM D1557). We recommend a minimum 12 inches separation between the bottom of the recycled concrete base course and the estimated seasonal high-water table. If site grading does not allow for this separation, we recommend underdrains be considered.

4.6.3 Wearing Surface

The asphalt-wearing surface should consist of an FDOT Type SP Hot Mix Asphalt mixture. For automobile parking areas, the thickness should be a minimum of 1.5 inches. For driveway areas, the thickness should be a minimum of 2 inches. The asphalt-wearing surface should consist of an SP-12.5 mix. The asphalt should be compacted to at least 95 percent of the mix design density.

The constructability of differing asphalt thicknesses may be difficult, and having a uniform 2-inch-thick asphalt wearing surface may be more practical.

4.7 Rigid Pavement

Concrete pavement is a rigid pavement that results in smaller load transfers to the subgrade soils than flexible pavement. For concrete pavement subgrade, we recommend using the existing surficial sands or recommended clean sand (SP) fill, compacted to at least 98 percent of the Modified Proctor maximum dry density without additional stabilization with the following stipulations:

1. Subgrade soils must be compacted to at least 98 percent of Modified Proctor maximum dry density to a depth of at least 2 feet prior to placement of concrete.
2. The surface of the subgrade soils must be smooth and any disturbances or wheel rutting corrected prior to placement of the concrete.
3. The subgrade soils must be moistened prior to placement of concrete.
4. Concrete pavement thickness should be uniform throughout, with the exception of thickened edges (curb or footing).
5. The bottom of the pavement should be separated from the estimated seasonal high groundwater level by at least 18 inches.
6. Limerock or any other impermeable base is not suitable unless it meets the minimum recommended permeability of 10 feet/day.

7. The upper 12 inches of subgrade underlying the base course must also be “free-draining” and water that enters the base and subgrade must be allowed to seep out by gravity or if this is not possible, underdrains must be incorporated into the subgrade. A “bathtub” condition within the base/subgrade must be avoided.

Our recommendations for slab thickness for both light-duty and heavy-duty concrete pavements is based on a.) subgrade soils are compacted to 98 percent of the Modified Proctor maximum dry density, b.) modulus of subgrade reaction (k) of 150 pounds per cubic inch, c.) a 20-year design life, and d.) previously stated design parameters. For an anticipated light-duty traffic group, a minimum pavement thickness of 5.5 inches is recommended, using Table 2.4 from the ACI 330 Guide for Design and Construction of Concrete Parking Lots, ACI 330R-01. For an anticipated heavy-duty traffic group, a minimum pavement thickness of 8 inches is recommended, using Table 3.4 from the *FDOT Rigid Pavement Design Manual*, January 2019.

We recommend using concrete with a minimum 28-day compressive strength of 4,000 pounds per square inch and a minimum 28-day flexural strength (modulus of rupture) of at least 600 pounds per square inch based on the third point loading of concrete beam test samples. Maximum control joint spacing of 12.5 by 12.5 feet is suggested for light-duty concrete pavements. Maximum control joint spacing of 15 by 15 feet is suggested for heavy-duty concrete pavements. Layout of sawcut control joints should form square panels, and the depth of sawcut joint should be at least 1/4 of the concrete slab thickness. The joints should be sawed within six hours of concrete placement or as soon as the concrete has developed sufficient strength to support workers and equipment.

For further details on concrete pavement construction, refer to “Guide to Jointing Non-reinforced Concrete Pavements” published by the Florida Concrete and Products Associates, Inc. and “Building Quality Concrete Parking Areas,” published by the Portland Cement Association.

4.8 Site Preparation

Normal, good practice site preparation procedures are recommended to prepare the surficial soils for foundation construction. The following recommendations are our general guidelines for site preparation.

4.8.1 Stripping

Strip the construction limits and 10 feet beyond the perimeter of all grass, roots, topsoil, pavement, concrete and other deleterious materials. You should expect to strip to depths of 12 or more inches. Deeper stripping will likely be necessary due to major root systems or existing infrastructure present at the site.

4.8.2 Dewatering

Temporary dewatering will likely not be necessary for this project. If needed, we anticipate dewatering can be accomplished with sumps placed near the construction area, or with underdrains connected to a vacuum pump.

In any case, the site should always be graded to promote runoff and limit the amount of ponding. Localized ponding of stormwater is expected without proper grading during construction and could render previously acceptable surfaces unacceptable.

4.8.3 Proof-Rolling

Proof-roll the subgrade with heavy rubber-tired equipment, such as a loaded front-end loader or dump truck, to identify any loose or soft zones not found by the soil borings. The proof-rolling should be monitored by a geotechnical engineer or qualified technician. Undercut or otherwise treat these zones as recommended by the geotechnical engineer in this report.

4.8.4 Proof Compaction

Compact the subgrade to a density of at least 95 percent of the Modified Proctor maximum dry density (ASTM D1557). The specified compaction should be obtained to a depth of 1 foot below the foundation bottoms and the existing grade prior to placing fill. Vibratory roller equipment should not be used within approximately 100 feet of existing structures. Lighter “walk-behind” compaction equipment may be used to achieve the degree of compaction.

4.8.5 Fill Placement

Fill placed to raise the site grades above existing grades can be imported or on-site materials and should consist of clean sand having less than 10 percent passing the No. 200 sieve. The fill should be placed in maximum 12-inch loose lifts that are compacted to at least 95 percent of the Modified Proctor maximum dry density (ASTM D1557). If lighter “walk-behind” compaction equipment is used, this may require lifts of 4 inches or less to achieve the required degree of compaction.

4.9 Quality Control and Construction Materials Testing

It should be noted that the geotechnical engineering design does not end with the advertisement of the construction documents. As the geotechnical engineer of record, GSE is the most qualified to perform the construction materials testing that will be required for this project. The benefits of having the geotechnical engineer of record also perform the construction materials testing are numerous. If GSE continues to be involved with the project through construction, we will be able to constantly re-evaluate and possibly alter our geotechnical recommendations in a timely and cost-effective manner once final design and construction techniques are developed. This often results in cost savings for the project.

We recommend performing compaction testing beneath the concrete floor slab and the building foundations. We recommend one test be performed every 50 linear feet of continuous footing and every other column footing, per foot depth of fill or native material. We recommend a compaction test be performed for each 2,500 square feet of floor area or 10,000 square feet of pavement area per foot of fill or native material, or a minimum of three tests each, whichever is greater. Test all footing excavations to a depth of 12 inches at the frequencies stated above or per foot of backfill, where required.

4.10 Stormwater Management

The soil conditions at the auger boring locations generally encountered sandy soil to the explored depths of 15 feet bls. The depths of the confining layer were determined from the deeper SPT borings performed in close proximity.

The groundwater table was encountered in auger borings at depths of 11 to 14.5 feet bls at the time of our exploration. The groundwater table was detected in the cone soundings at depths of 5 feet bls. Additional hand auger borings did not encounter groundwater within a depth of 10 feet bls. Estimates for the seasonal high groundwater tables are presented on the individual boring logs.

The constant head hydraulic conductivity test results indicate the near-surface poorly graded sand, sand with silt, and silty sand with trace clay (SP, SP-SM, SM) has hydraulic conductivity values of 0.6 to 29 feet per day. Tests were not conducted on the deeper clayey sand and sandy clay due to the limitations of the test method on soils having moderate to high fines content, but these soils are expected to behave as confining soils.

Based upon our findings and test results, our recommended soil parameters for the stormwater management design in the explored areas are presented in Table 1 below. The recommended parameters consider the results of the permeability tests, wash 200 determinations, and our experience with these types of soils. The parameters below do not consider a factor of safety.

Table 1: Soil Parameters for the Stormwater Management Design							
Boring Number	K _h (ft/day)	Average K _h (ft/day)	Average K _v (ft/day)	Confining Layer Depth (ft)	Average Confining Layer Depth (ft)	Average Seasonal High Groundwater Table Depth (ft)	Average Porosity (%)
P-1	0.9	1	0.5	27	25	8	25
P-2	NT			24			
P-3	2.3	9	6	24	23	8	25
P-4	12			24			
P-5	26			24			
P-6	NT			24			
P-7	NT			23			
P-8	0.6			23			
P-9	4.1			23			
P-10	NT			23			
P-11	2.3			23			
P-12	17	13	10	24	23	8	25
P-13	NT			23			
P-14	19			24			
P-15	13	11	8	23	23	8	25
P-16	NT			23			
P-17	8.8			23			
P-18	29	18	14	28	28	8	25
P-19	9.7			28			
P-20	19	18	14	28	28	8	25
P-21	NT			28			
P-22	18			28			
P-23	17			28			
P-24	NT	19	14	23	23	8	25
P-25	19			23			

*NT - Not Tested

It is our opinion the native subgrade soils can be considered to have a minimum soil bearing capacity of 3,000 psf for the design of underground stormwater system foundations.

4.11 Fill Suitability

The soils encountered at this site within the explored depths range from sands (SP) to clays (CL/CH). A discussion of the suitability for reuse as structural fill for each soil classification according to the Unified Soil Classification System (USCS) designation is provided below.

SP, SP-SM – Sands (SP) and sand with silt (SP-SM) have less than 5 percent and 12 percent soil fines passing the No. 200 sieve, respectively, and are typically well draining soils that are suitable for reuse as structural fill. The sands with silt may require moisture conditioning (drying) to make the material more workable. These soils will require stockpiling and drying before they are reused if they are excavated from below the water table.

SM – Silty sands (SM) can have between 12 percent and 50 percent soil fines passing the No. 200 sieve. Silty sands are typically non-plastic or have low plasticity and can be reused as structural fill with precautions. Silty sands can be moisture sensitive and difficult to work and compact and can rut if the moisture content is near or above the optimum moisture content. We recommend these soils be moisture conditioned (dried) so that the moisture content during use is at or below the optimum moisture content. Aerating and exposure to the sun is typically the most effective methods of drying these soils. It may not be practical to reuse these materials during the wet season, as frequent rain showers may not allow these soils to dry to a workable moisture content.

Suitable silty sands are limited to soil having less than 30 percent soil fines passing the No. 200 sieve. Silty sands with more than 30 percent soil fines are especially moisture sensitive, and are not recommended for reuse as structural fill. These soils will behave more as sandy silt, and for this reason, very silty sands having more than 30 percent soil fines passing the No. 200 sieve have been assigned a dual classification of SM/ML. Silty sand soils that are excavated from below the water table are not recommended for reuse as structural fill due to the amount of time that will be required to dry these soils to a workable condition.

SC – Clayey sand (SC) soils can have between 12 percent and 50 percent soil fines passing the No. 200 sieve. Clayey sands can have a high range of plasticity, varying from a non-plastic to highly plastic. Friable clayey sands are typically suitable for use as structural fill with precautions. Clayey sands will be moisture sensitive and difficult to work and compact and can rut during placement if the moisture content is near or above the natural moisture content. We recommend these soils be moisture conditioned (dried) so that the moisture content during use is at or below the optimum moisture content. Aerating and exposure to the sun is typically the most effective methods of drying these soils. It may not be practical to reuse these materials during the wet season, as frequent rain showers may not allow these soils to dry to a workable moisture content.

Suitable clayey sands are limited to soil having less than 25 percent soil fines passing the No. 200 sieve. Clayey sands with more than 25 percent soil fines passing the No. 200 sieve are especially moisture sensitive and are typically highly plastic, and are not recommended for reuse as structural fill. These soils will behave more as sandy clay, and for this reason, very clayey sands having more than 25 percent soil fines passing the No. 200 sieve have been assigned a dual classification of SC/CH or SC/CL. Clayey sand soils that are excavated from below the water table are not recommended for reuse as structural fill due to the amount of time that will be required to dry these soils to a workable condition.

ML, MH, CL, CH – Silts and clays are not suitable materials for reuse as structural fill.

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

When using on-site soils as fill materials, we recommend the silty and clayey sand soils (SM, SC) be used in the lower depths of the fill. Sand and sand with silt (SP, SP-SM) should be used in the upper portions of the fill. We recommend a minimum of 2 feet of sand (SP, SP-SM) cover the silty and clayey sand fill materials to reduce the potential for soggy surface conditions due to the low permeability characteristics of the silty and clayey sand materials.

4.12 Surface Water Control and Landscaping

Roof gutters should be considered to divert runoff away from the buildings. The gutter downspouts should discharge a minimum of 10 feet from the structure to reduce the amount of water collecting around the foundations. Where possible, the gutter downspouts should discharge directly into the storm sewer system or onto the asphalt paved areas in order to reduce the amount of water collecting around the foundations. Grading of the site should be such that water is diverted away from the building on all sides to reduce the potential for erosion and water infiltration along the foundation.

With respect to landscaping, it is recommended that existing and planted trees and large “tree-like” shrubbery with potential for developing large root systems be planted a minimum distance of half their mature height, and preferably their expected final height, away from the structure. The purpose of this is to reduce the potential for foundation or slab movements from the growth of root systems as the landscaping matures. Consideration should also be given to using landscaping that has a low water demand, so that excessive irrigation is not conducted around the structures.

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

5.0 FIELD DATA

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

5.1 Standard Penetration Test Soil Boring Logs



GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

BORING NUMBER B-1

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida
 DATE STARTED 3/7/24 COMPLETED 3/7/24 GROUND ELEVATION _____ HOLE SIZE _____
 DRILLING CONTRACTOR Whitaker Drilling, Inc. GROUND WATER LEVELS:
 DRILLING METHOD Flight Auger ▼ AT TIME OF DRILLING NA
 LOGGED BY WDI CHECKED BY KLH ▼ ESTIMATED SEASONAL HIGH 8.0 ft
 NOTES _____

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		Asphalt (2.5 in) Limerock Base Course (6 in) (SP) Loose gray and brown SAND	0.7	AU 1 AU 2								20 40 60 80
5		(SP) Loose to medium dense brown SAND	4.5	SPT 3 SPT 4	2-2-3 (5) 2-3-4 (7)							
8		(SP) Medium dense to very dense dark brown SAND	8	SPT 5 SPT 6	7-9-14 (23) 30-46-50/3" 96/9"							
13.5		(SP) Medium dense brown SAND with trace clay	13.5	SPT 7	10-14-15 (29)							
17		(SM) Dense dark brown and gray silty SAND	17									
20				SPT 8	11-15-22 (37)							
23.5		(SP-SC) Medium dense brown and gray SAND with clay	23.5	SPT 9	9-8-9 (17)							
28.5		(SM-SC) Loose to dense green and gray silty SAND with trace clay and phosphate	28.5	SPT 10	2-4-2 (6)							

(Continued Next Page)




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BORING NUMBER B-1



CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲	
30		(SM-SC) Loose to dense green and gray silty SAND with trace clay and phosphate <i>(continued)</i>										20 40 60 80	
35			SPT 11	3-2-4 (6)									
40			SPT 12	4-4-6 (10)									
45			SPT 13	3-6-7 (13)									
50			SPT 14	6-8-11 (19)									
55			SPT 15	20-12-24 (36)									
58.5		(CL/CH) Hard green CLAY	58.5	SPT 16	16-12-21 (33)								
60		Bottom of borehole at 60.0 feet.	60										

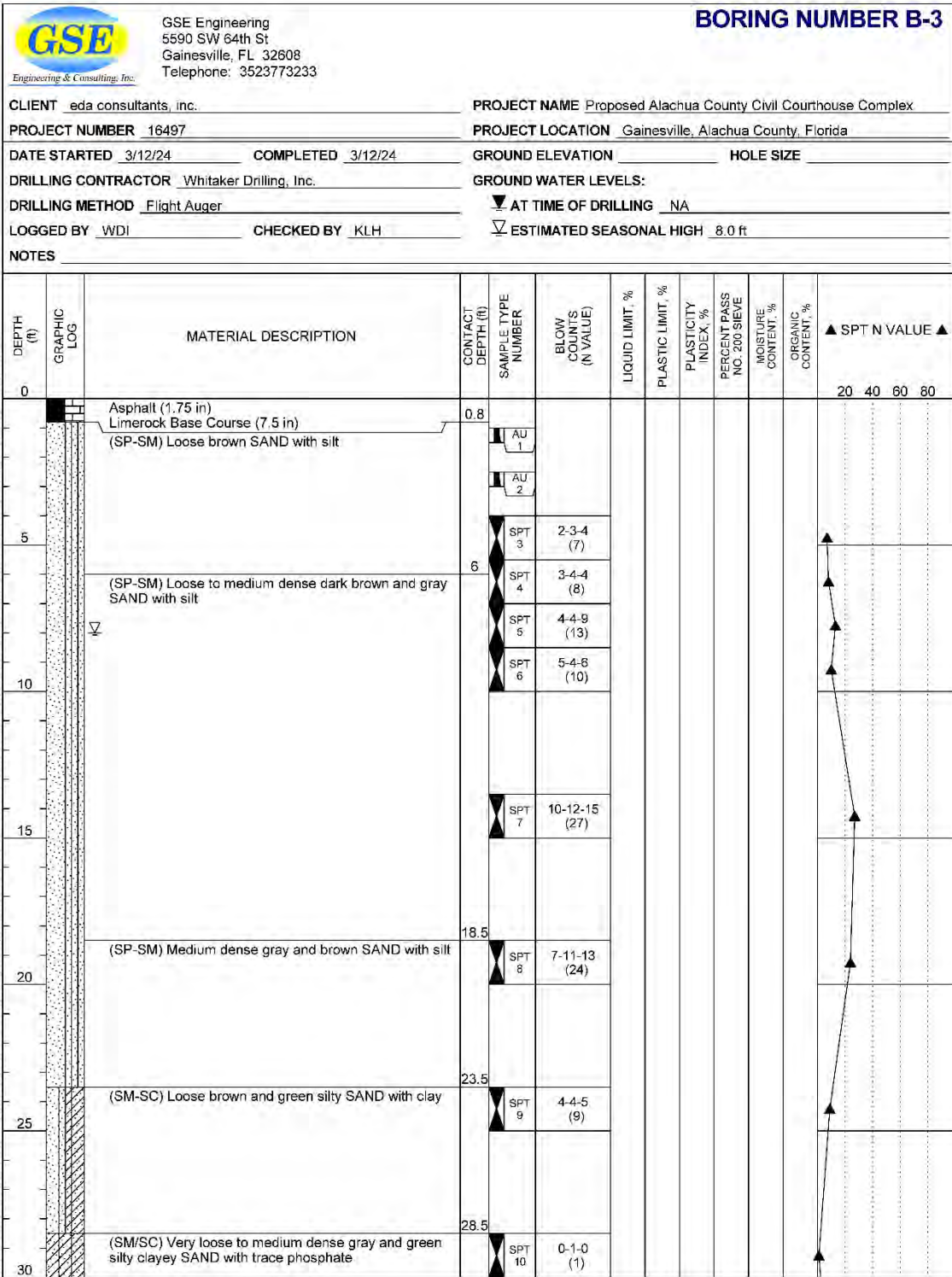
	GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233	BORING NUMBER B-2
CLIENT <u>eda consultants, inc.</u>	PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>	
PROJECT NUMBER <u>16497</u>	PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>	
DATE STARTED <u>3/7/24</u> COMPLETED <u>3/7/24</u>	GROUND ELEVATION _____	HOLE SIZE _____
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>	GROUND WATER LEVELS:	
DRILLING METHOD <u>Flight Auger</u>	▼ AT TIME OF DRILLING <u>NA</u>	
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>	▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>	
NOTES _____		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0	[Asphalt and Limerock symbols]	Asphalt (2 in) Limerock Base Course (9 in)	0.9	AU 1								20 40 60 80
	[Sand symbol]	(SP) Brown and gray SAND		AU 2								
4		(SP) Loose brown SAND										
5		(SP) Loose to medium dense tan SAND		SPT 3	3-2-3 (5)							
5.5				SPT 4	4-5-5 (10)							
8		(SM) Loose to dense dark brown and gray silty SAND		SPT 5	4-5-9 (14)							
				SPT 6	8-9-8 (17)							
15				SPT 7	14-15-18 (33)							
20				SPT 8	10-12-16 (28)							
23.5	[Clay symbol]	(CH) Firm gray, green, and orange CLAY		SPT 9	8-4-4 (8)	105	31	74	87	44		
28.5		(SM) Loose gray and brown silty SAND with trace clay		SPT 10	3-2-4 (6)							

(Continued Next Page)

 GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-2											
CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>											
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>											
DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲	
30		(SM) Loose gray and brown silty SAND with trace clay <i>(continued)</i>										20 40 60 80	
33.5		(SM) Very loose to medium dense green and gray silty SAND with trace clay and phosphate		SPT 11	2-2-2 (4)								
40				SPT 12	2-2-3 (5)								
45				SPT 13	4-4-8 (12)								
50				SPT 14	5-6-9 (15)								
		Bottom of borehole at 53.0 feet. <i>Boring terminated @ 53 ft bls due to drill and hammer refusal</i>	53										

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GSE Engineering
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 Gainesville, FL 32608
 Telephone: 3523773233

BORING NUMBER B-3

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲	
30		(SM/SC) Very loose to medium dense gray and green silty clayey SAND with trace phosphate (continued)										20 40 60 80	
35			SPT 11	4-4-5 (9)									
40			SPT 12	3-5-5 (10)									
45			SPT 13	10-10-9 (19)									
50			SPT 14	7-10-18 (28)									
53.5			SPT 15	5-5-5 (10)									
55		(CL/CH) Stiff green and brown CLAY											
56.5		(SC) Dense green and brown cemented clayey SAND											
60		Bottom of borehole at 60.0 feet.	60	SPT 16	17-18-31 (49)								

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 Telephone: 3523773233

BORING NUMBER B-4

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida
 DATE STARTED 3/12/24 COMPLETED 3/12/24 GROUND ELEVATION _____ HOLE SIZE _____
 DRILLING CONTRACTOR Whitaker Drilling, Inc. GROUND WATER LEVELS:
 DRILLING METHOD Flight Auger ▼ AT TIME OF DRILLING NA
 LOGGED BY WDI CHECKED BY KLH ▼ ESTIMATED SEASONAL HIGH 8.0 ft

NOTES _____

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		Asphalt (2 in) Limerock Base Course (8.25 in)	0.9	AU 1								20 40 60 80
		(SP) Loose to medium dense brown to tan SAND		AU 2								
5		(SP-SM) Medium dense dark brown and gray SAND with silt	6.5	SPT 3	2-3-4 (7)							
		(SP-SC) Medium dense brown and gray SAND with clay	8	SPT 4	6-7-6 (13)							
				SPT 5	3-6-10 (16)							
				SPT 6	14-14-14 (28)							
10		(SP-SC) Dense gray SAND with clay	13.5	SPT 7	14-16-18 (34)							
15		(SM) Medium dense brown and gray silty SAND with trace clay	23.5	SPT 8	13-17-20 (37)							
20				SPT 9	7-11-11 (22)							
25		(SM/SC) Very loose to medium dense green and gray silty clayey SAND with trace phosphate	28.5	SPT 10	3-1-1 (2)							
30												

(Continued Next Page)




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BORING NUMBER B-4

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
30		(SM/SC) Very loose to medium dense green and gray silty clayey SAND with trace phosphate (continued)										20 40 60 80
35				SPT 11	4-4-4 (8)							
40				SPT 12	2-3-4 (7)							
45				SPT 13	4-7-11 (18)							
50				SPT 14	13-14-14 (28)							
53.5												
55		(CL/CH) Very stiff green sandy CLAY with trace sand and phosphate		SPT 15	6-8-9 (17)							
58.5												
60		(SM) Medium dense green and gray cemented silty SAND with trace clay and phosphate		SPT 16	8-10-17 (27)							
		Bottom of borehole at 60.0 feet.										

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	GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-5
	CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>	
DATE STARTED <u>3/13/24</u> COMPLETED <u>3/13/24</u>		GROUND ELEVATION _____ HOLE SIZE _____	
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Flight Auger</u>		▼ AT TIME OF DRILLING <u>NA</u>	
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>		▼ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>	
NOTES _____			

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		Asphalt (1.5 in) Limerock Base Course (7 in)	0.7	AU 1								20 40 60 80
		(SP-SM) Gray and brown SAND with silt		AU 2								
		(SP) Loose tan SAND	3.5									
5		(SP-SM) Loose to medium dense dark gray and brown SAND with silt	6	SPT 3	2-2-3 (5)							
		(SM) Medium dense brown and gray silty SAND with trace clay	8	SPT 4	3-2-7 (9)							
				SPT 5	6-6-7 (13)							
				SPT 6	6-7-8 (15)							
10												
15				SPT 7	4-7-8 (15)							
20		(SP-SC) Medium dense gray SAND with clay	18.5	SPT 8	8-13-17 (30)							
25		(SC) Medium dense brown and gray clayey SAND	23.5	SPT 9	4-5-9 (14)							
30		(SM/SC) Very loose to dense green and gray silty clayey SAND with trace phosphate	28.5	SPT 10	4-3-4 (7)							

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GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

BORING NUMBER B-5

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲	
30		(SM/SC) Very loose to dense green and gray silty clayey SAND with trace phosphate (continued)										20 40 60 80	
35			SPT 11	2-1-2 (3)									
40			SPT 12	3-3-4 (7)									
45			SPT 13	5-5-11 (16)									
50			SPT 14	7-11-24 (35)									
53.5													
55		(SC) Dense green and gray clayey SAND with trace phosphate											
60			SPT 16	13-21-22 (43)									
		Bottom of borehole at 60.0 feet.	60										

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GSE Engineering
 5590 SW 64th St
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 Telephone: 3523773233

BORING NUMBER B-6

CLIENT <u>eda consultants, inc.</u>	PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>
PROJECT NUMBER <u>16497</u>	PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>
DATE STARTED <u>3/13/24</u> COMPLETED <u>3/13/24</u>	GROUND ELEVATION _____ HOLE SIZE _____
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>	GROUND WATER LEVELS: ▼ AT TIME OF DRILLING <u>NA</u>
DRILLING METHOD <u>Flight Auger</u>	▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>	
NOTES _____	

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		Asphalt (2.75 in) Limerock Base Course (6 in) (SP-SM) Brown and gray SAND with silt	0.7	AU 1								20 40 60 80
2.5		(SP) Loose pale brown SAND	2.5	AU 2								
5		(SM) Loose to medium dense dark brown and gray silty SAND with trace organics	6	SPT 3	2-2-3 (5)							
				SPT 4	2-3-5 (8)							
			8.5	SPT 5	6-5-7 (12)							
				SPT 6	16-16-19 (35)							
10		(SM) Dense dark brown silty SAND										
13.5		(SM-SC) Medium dense gray silty SAND with clay	13.5	SPT 7	9-12-13 (25)							
18.5		(SP-SC) Dense brown SAND with clay	18.5	SPT 8	11-20-25 (45)							
23.5		(SM) Loose pale brown and gray silty SAND	23.5	SPT 9	8-6-3 (9)							
28.5		(SM/SC) Very loose to very dense green and gray silty clayey SAND with trace phosphate	28.5	SPT 10	2-2-2 (4)							

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 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

BORING NUMBER B-6

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲	
30		(SM/SC) Very loose to very dense green and gray silty clayey SAND with trace phosphate (continued)										20 40 60 80	
35			SPT 11	2-3-4 (7)									
40			SPT 12	3-3-5 (8)									
45			SPT 13	5-10-14 (24)									
50			SPT 14	6-15-50/2" 65/8"									>>
53.5													
55		(SC) Medium dense to dense green clayey SAND		SPT 15	7-10-11 (21)								
60		Bottom of borehole at 60.0 feet.	60	SPT 16	16-22-22 (44)								



GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

BORING NUMBER B-7

CLIENT <u>eda consultants, inc.</u>	PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>
PROJECT NUMBER <u>16497</u>	PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>
DATE STARTED <u>3/14/24</u> COMPLETED <u>3/14/24</u>	GROUND ELEVATION _____ HOLE SIZE _____
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>	GROUND WATER LEVELS: ▼ AT TIME OF DRILLING <u>NA</u>
DRILLING METHOD <u>Flight Auger</u>	▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>	
NOTES _____	

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲						
												20	40	60	80			
0		(SP-SM) Brown and gray SAND with silt and trace limestone		AU 1														
3.5				AU 2														
5		(SP-SM) Very loose to medium dense brown and gray SAND with silt		SPT 3	1-1-2 (3)													
6		(SP-SC) Medium dense brown and gray SAND with clay		SPT 4	3-9-14 (23)													
8		(SP-SM) Medium dense to dense brown and gray SAND with silt		SPT 5	9-9-7 (16)													
10				SPT 6	7-6-7 (13)													
15				SPT 7	10-14-15 (29)													
20				SPT 8	14-17-22 (39)													
23.5		(SP-SC) Loose pale gray SAND with clay		SPT 9	4-4-4 (8)													
28.5		(SM/SC) Very loose to very dense gray and green silty clayey SAND with trace phosphate		SPT 10	2-2-2 (4)													

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 5590 SW 64th St
 Gainesville, FL 32608
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BORING NUMBER B-7

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲	
30		(SM/SC) Very loose to very dense gray and green silty clayey SAND with trace phosphate (continued)										20 40 60 80	
35			SPT 11	3-4-4 (8)									
40			SPT 12	3-3-5 (8)									
45			SPT 13	5-8-12 (20)									
50			SPT 14	7-13-32 (45)									
55			SPT 15	21-29-31 (60)									
58.5					58.5	SPT 16	11-15-17 (32)						
60		(SC) Dense gray and green clayey SAND with trace phosphate	60										
		Bottom of borehole at 60.0 feet.											

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	GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-8
	CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>	
DATE STARTED <u>3/13/24</u> COMPLETED <u>3/13/24</u>		GROUND ELEVATION _____ HOLE SIZE _____	
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Flight Auger</u>		▼ AT TIME OF DRILLING <u>NA</u>	
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>		▼ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>	
NOTES _____			

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		(SP-SM) Brown and gray SAND with silt		AU 1								20 40 60 80
3.5		(SP-SM) Loose to medium dense brown SAND with silt	3.5	AU 2								
5		(SP-SC) Medium dense brown and gray SAND with clay	6	SPT 3	1-2-3 (5)							
				SPT 4	9-8-9 (17)							
				SPT 5	7-7-7 (14)							
				SPT 6	6-8-14 (22)							
14		(SP-SM) Medium dense to dense brown SAND with silt	14	SPT 7	10-11-19 (30)							
20				SPT 8	9-15-21 (36)							
23.5		(SM) Loose pale gray silty SAND	23.5	SPT 9	6-5-4 (9)							
28.5		(SM/SC) Loose to dense green and gray silty clayey SAND with trace phosphate	28.5	SPT 10	3-3-2 (5)							

(Continued Next Page)



GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

BORING NUMBER B-8

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲	
30		(SM/SC) Loose to dense green and gray silty clayey SAND with trace phosphate (continued)										20 40 60 80	
35			SPT 11	1-2-3 (5)									
40			SPT 12	3-3-5 (8)									
45			SPT 13	5-6-11 (17)									
50			SPT 14	5-15-16 (31)									
53.5													
55		(SC) Dense to very dense green clayey SAND with trace phosphate		SPT 15	29-24-28 (53)								
60			SPT 16	18-21-22 (43)									
		Bottom of borehole at 60.0 feet.											

SPT BORINGS W/ ORGANICS - GINT STD US GDT - 4/17/24 - 15/07 - Q:\PROJECTS\16497 PROPOSED ALACHUA COUNTY CIVIL COURTHOUSE COMPLEX\16497 BORINGS\16497 BORINGS.GPJ





GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

BORING NUMBER B-9


CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida
 DATE STARTED 3/7/24 COMPLETED 3/7/24 GROUND ELEVATION _____ HOLE SIZE _____
 DRILLING CONTRACTOR Whitaker Drilling, Inc. GROUND WATER LEVELS:
 DRILLING METHOD Flight Auger ▼ AT TIME OF DRILLING NA
 LOGGED BY WDI CHECKED BY KLH ▼ ESTIMATED SEASONAL HIGH 7.0 ft
 NOTES _____

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲							
											20	40	60	80				
0		(SP) Gray and brown SAND		AU 1														
				AU 2														
4		(SP) Very loose brown SAND	4	SPT 3	1-1-1 (2)													
				SPT 4	2-2-2 (4)													
7		(SC) Loose to medium dense gray, brown, and orange clayey SAND	7	SPT 5	2-4-5 (9)													
				SPT 6	5-9-10 (19)													
9		(SM) Medium dense to dense brown and gray silty SAND with trace clay	9															
13		(SP) Loose to medium dense brown SAND	13	SPT 7	9-10-12 (22)													
15				SPT 8	13-14-14 (28)													
20				SPT 9	17-18-19 (37)													
25																		
26.5		(SM) Loose to medium dense gray and green silty SAND with trace clay and phosphate	26.5	SPT 10	6-6-4 (10)													
30																		

(Continued Next Page)



 GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-9												
CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>												
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>												
DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲		
30		(SM) Loose to medium dense gray and green silty SAND with trace clay and phosphate <i>(continued)</i>										20 40 60 80		
35				SPT 11	2-4-4 (8)									
40				SPT 12	3-3-5 (8)									
45				SPT 13	4-5-10 (15)									
50				SPT 14	6-9-14 (23)									
		Bottom of borehole at 50.0 feet.	50											

SPT BORINGS W/ ORGANICS - GINT STD US GDT - 4/17/24 15:07 - Q:\PROJECTS\16497 PROPOSED ALACHUA COUNTY CIVIL COURTHOUSE COMPLEX\16497 BORINGS\16497 BORINGS.GPJ

	GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233	BORING NUMBER B-10
CLIENT <u>eda consultants, inc.</u>	PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>	
PROJECT NUMBER <u>16497</u>	PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>	
DATE STARTED <u>3/8/24</u> COMPLETED <u>3/8/24</u>	GROUND ELEVATION _____	HOLE SIZE _____
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>	GROUND WATER LEVELS:	
DRILLING METHOD <u>Flight Auger</u>	▼ AT TIME OF DRILLING <u>NA</u>	
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>	▽ ESTIMATED SEASONAL HIGH <u>7.0 ft</u>	
NOTES _____		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		(SP) Brown and gray SAND		AU 1								20 40 60 80
2.5		(SP) Loose brown SAND	2.5	AU 2								
5				SPT 3	2-2-3 (5)							
				SPT 4	2-3-3 (6)							
7		(SC) Loose to medium dense brown, gray, and orange clayey SAND	7	SPT 5	3-4-5 (9)				28	16		
				SPT 6	5-8-9 (17)							
13.5		(SP) Medium dense brown and gray SAND	13.5	SPT 7	11-12-13 (25)							
20				SPT 8	9-12-15 (27)							
24		(CL/CH) Very stiff gray, brown, and green CLAY with sand	24	SPT 9	5-5-11 (16)							
28.5		(SM) Very loose to medium dense green and gray silty SAND with trace clay and phosphate	28.5	SPT 10	4-3-4 (7)							
30												

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 GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-10												
CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>												
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>												
DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲		
30		(SM) Very loose to medium dense green and gray silty SAND with trace clay and phosphate <i>(continued)</i>										20 40 60 80		
35				SPT 11	1-2-2 (4)									
40				SPT 12	3-4-4 (8)									
45				SPT 13	5-7-10 (17)									
50				SPT 14	13-10-10 (20)									
		Bottom of borehole at 50.0 feet.	50											

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GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233


BORING NUMBER B-11

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida
 DATE STARTED 3/8/24 COMPLETED 3/8/24 GROUND ELEVATION _____ HOLE SIZE _____
 DRILLING CONTRACTOR Whitaker Drilling, Inc. GROUND WATER LEVELS:
 DRILLING METHOD Flight Auger ▼ AT TIME OF DRILLING NA
 LOGGED BY WDI CHECKED BY KLH ▼ ESTIMATED SEASONAL HIGH 8.0 ft


NOTES _____

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲							
												20	40	60	80				
0		(SP) Brown and gray SAND		AU 1															
				AU 2															
4.5		(SP) Loose brown SAND	4.5	SPT 3	3-2-4 (6)														
5.5		(SP) Medium dense brown and orange SAND	5.5	SPT 4	3-4-9 (13)														
7		(SP) Medium dense brown SAND with trace clay	7	SPT 5	9-10-5 (15)														
8.5		(SC) Medium dense brown clayey SAND	8.5	SPT 6	5-7-9 (16)														
13.5		(SP) Loose to dense brown and gray SAND	13.5	SPT 7	7-8-10 (18)														
20				SPT 8	8-12-14 (26)														
25				SPT 9	13-17-24 (41)														
30				SPT 10	3-4-4 (8)														

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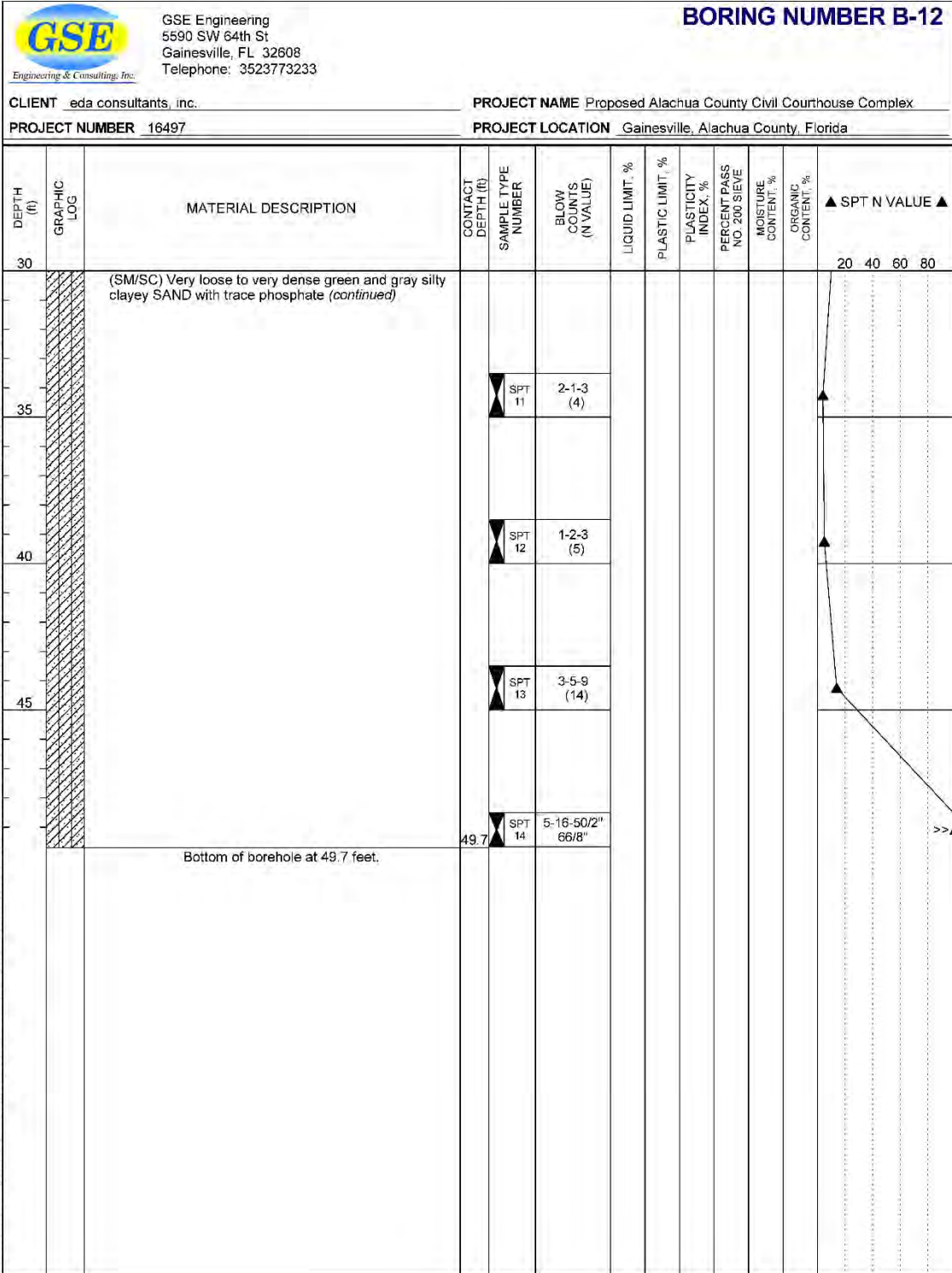
 GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-11										
CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>										
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>										
DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
30		(SP) Loose to dense brown and gray SAND <i>(continued)</i>										20 40 60 80
			31.5									
		(SM) Very loose to medium dense green and gray silty SAND with trace clay and phosphate										
35				SPT 11	1-1-2 (3)							
40				SPT 12	1-2-4 (6)							
45				SPT 13	3-4-7 (11)							
50		Bottom of borehole at 50.0 feet.	50	SPT 14	6-8-11 (19)							


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	GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-12
	CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>	
DATE STARTED <u>3/11/24</u> COMPLETED <u>3/11/24</u>		GROUND ELEVATION _____ HOLE SIZE _____	
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Flight Auger</u>		▼ AT TIME OF DRILLING <u>NA</u>	
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>		▼ ESTIMATED SEASONAL HIGH <u>6.0 ft</u>	
NOTES _____			

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		Asphalt (2 in) Limerock Base Course (6.25 in) (SP) Loose to medium dense brown to pale brown SAND	0.7	AU 1 AU 2								20 40 60 80
5		(SC) Medium dense brown and gray cemented clayey SAND	6	SPT 3	3-4-6 (10)							
		(SM) Medium dense dark brown and gray silty SAND	7.5	SPT 4 SPT 5	5-5-7 (12) 6-7-10 (17)							
10		(SP-SM) Medium dense brown SAND with silt	10	SPT 6	9-10-10 (20)							
15			18.5	SPT 7	5-8-10 (18)							
20		(SM) Medium dense dark brown and gray silty SAND	23.5	SPT 8	6-8-11 (19)							
25		(CL/CH) Stiff green and gray sandy CLAY	28.5	SPT 9	4-4-6 (10)							
30		(SM/SC) Very loose to very dense green and gray silty clayey SAND with trace phosphate	28.5	SPT 10	6-6-5 (11)							



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	GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-13
	CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>	
DATE STARTED <u>3/11/24</u> COMPLETED <u>3/11/24</u>		GROUND ELEVATION _____ HOLE SIZE _____	
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Flight Auger</u>		▼ AT TIME OF DRILLING <u>NA</u>	
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>		▼ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>	
NOTES _____			







DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0	[Asphalt and Limerock Base Course symbols]	Asphalt (2 in) Limerock Base Course (7 in) (SP) Brown SAND	0.8	AU 1								20 40 60 80
	[Sand symbol]	(SP) Medium dense pale gray SAND	4	AU 2								
5		(SP) Medium dense pale gray SAND		SPT 3	4-5-8 (13)							▲
6		(SP-SC) Medium dense brown and gray cemented SAND with clay		SPT 4	8-8-9 (17)							▲
7.5		(SP-SM) Medium dense to dense dark brown and gray SAND with silt		SPT 5	8-8-10 (18)							▲
10				SPT 6	5-8-9 (17)							▲
15				SPT 7	12-12-16 (28)							▲
20				SPT 8	11-16-20 (36)							▲
23.5		(SM) Very loose gray silty SAND		SPT 9	2-1-3 (4)							▲
28.5		(SM/SC) Very loose to dense gray and green silty clayey SAND with trace phosphate		SPT 10	2-1-1 (2)							▲

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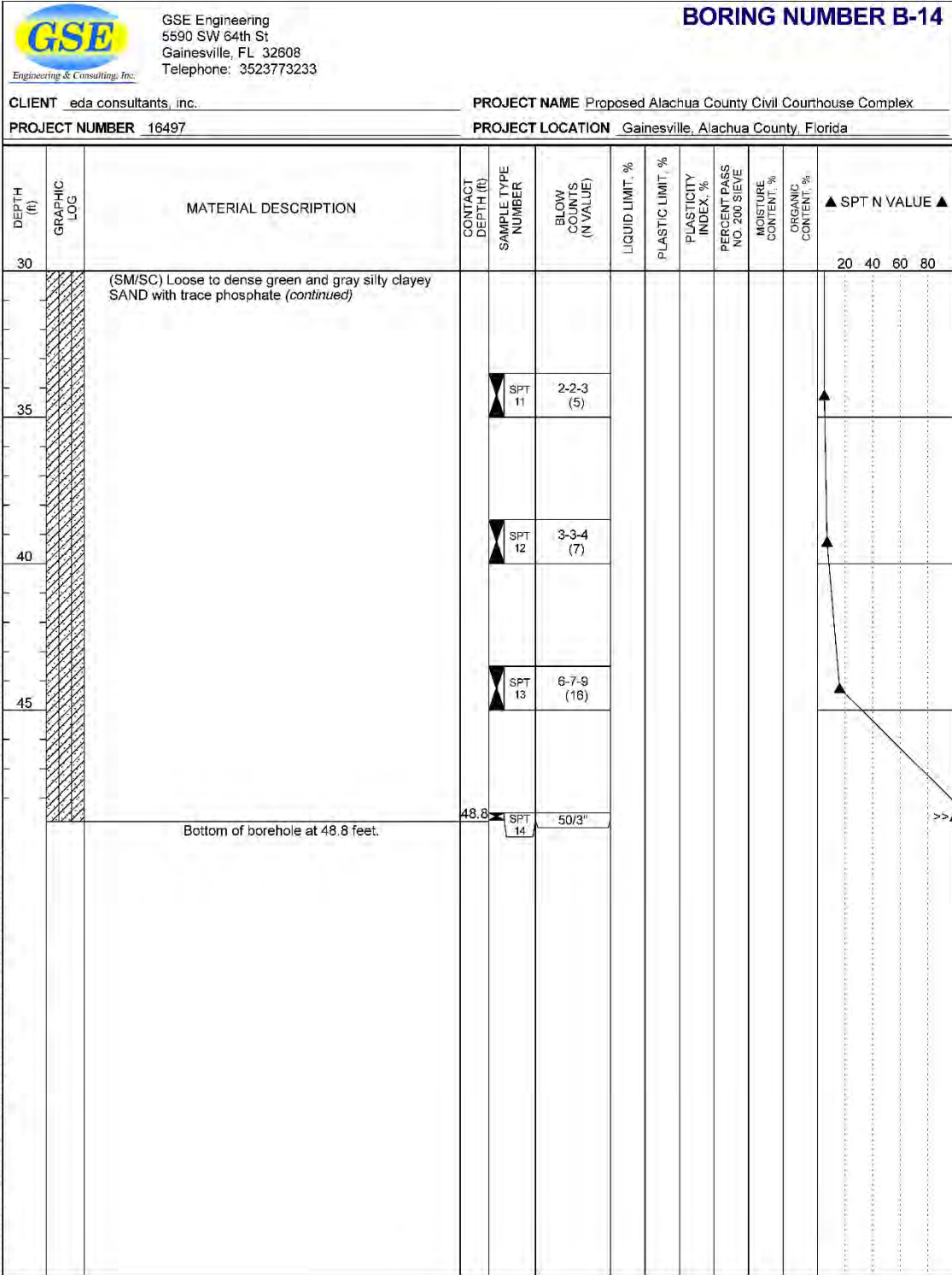
 GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-13											
CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>											
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>											
DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲	
30		(SM/SC) Very loose to dense gray and green silty clayey SAND with trace phosphate <i>(continued)</i>										20 40 60 80	
35			SPT 11	2-2-4 (6)									▲
40			SPT 12	3-3-5 (8)									▲
45			SPT 13	5-5-9 (14)									▲
49.1			SPT 14	12-50/1" 50/1"									▲
Bottom of borehole at 49.1 feet.												>>▲	

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	GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233	BORING NUMBER B-14
CLIENT <u>eda consultants, inc.</u>	PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>	
PROJECT NUMBER <u>16497</u>	PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>	
DATE STARTED <u>3/8/24</u> COMPLETED <u>3/8/24</u>	GROUND ELEVATION _____	HOLE SIZE _____
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>	GROUND WATER LEVELS:	
DRILLING METHOD <u>Flight Auger</u>	▼ AT TIME OF DRILLING <u>NA</u>	
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>	▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>	
NOTES _____		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		Asphalt (1.75 in) Limerock Base Course (7 in)	0.7									20 40 60 80
		(SP-SM) Gray and brown SAND with silt		AU 1								
		(SP) Very loose to medium dense pale brown SAND		AU 2								
5				SPT 3	1-2-2 (4)							
				SPT 4	2-3-3 (6)							
7.5		(SM) Loose to medium dense dark brown and gray silty with cemented sand		SPT 5	2-8-7 (15)							
				SPT 6	3-2-4 (6)							
10		(SP-SC) Loose to medium dense gray SAND with clay										
13		(SM) Loose to medium dense pale gray silty SAND		SPT 7	6-9-12 (21)							
15												
18.5		(SM/SC) Loose to dense green and gray silty clayey SAND with trace phosphate		SPT 8	10-13-18 (31)							
20												
25				SPT 9	4-3-2 (5)							
30				SPT 10	5-2-3 (5)							

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GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

BORING NUMBER B-15

CLIENT <u>eda consultants, inc.</u>	PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>
PROJECT NUMBER <u>16497</u>	PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>
DATE STARTED <u>3/8/24</u> COMPLETED <u>3/8/24</u>	GROUND ELEVATION _____ HOLE SIZE _____
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>	GROUND WATER LEVELS: ▼ AT TIME OF DRILLING <u>NA</u>
DRILLING METHOD <u>Flight Auger</u>	▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>	
NOTES _____	

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		Asphalt (3.5 in) Limerock Base Course (4 in) (SP) Brown and gray SAND	0.6	AU 1								20 40 60 80
		(SP) Loose brown SAND	3	AU 2								
5		(SP) Loose gray and brown SAND	7	SPT 3	2-3-4 (7)							
				SPT 4	4-4-4 (8)							
				SPT 5	4-3-4 (7)							
10		(SM) Loose dark brown and gray silty SAND	9	SPT 6	3-2-3 (5)							
15		(SM) Medium dense brown silty SAND with trace clay	13.5	SPT 7	7-9-10 (19)							
20		(SC) Very loose to medium dense gray and green clayey SAND with trace clay and phosphate	18.5	SPT 8	7-9-11 (20)							
25				SPT 9	5-5-6 (11)							
30				SPT 10	5-3-3 (6)							

(Continued Next Page)



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 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

BORING NUMBER B-15

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲	
30		(SC) Very loose to medium dense gray and green clayey SAND with trace clay and phosphate (continued)										20 40 60 80	
35			SPT 11	1-1-1 (2)	42	17	25	28	51				
40			SPT 12	1-1-2 (3)									
45			SPT 13	3-4-7 (11)									
50			SPT 14	6-8-22 (30)	50								
		Bottom of borehole at 50.0 feet.											

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GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

BORING NUMBER B-16

CLIENT <u>eda consultants, inc.</u>	PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>
PROJECT NUMBER <u>16497</u>	PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>
DATE STARTED <u>3/11/24</u> COMPLETED <u>3/11/24</u>	GROUND ELEVATION _____ HOLE SIZE _____
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Flight Auger</u>	▼ AT TIME OF DRILLING <u>NA</u>
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>	▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>
NOTES _____	

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		Asphalt (1.75 in) Limerock Base Course (7 in) (SP-SM) Brown and gray SAND with silt	0.7	AU 1								20 40 60 80
3		(SP) Loose to medium dense pale brown SAND	3	AU 2								
5		(SP-SC) Medium dense brown and gray SAND with clay	6	SPT 3	2-2-3 (5)							
				SPT 4	6-9-7 (16)							
				SPT 5	5-7-8 (15)							
				SPT 6	9-8-8 (16)							
15		(SP-SC) Medium dense brown and gray SAND with clay	18.5	SPT 7	7-7-11 (18)							
20		(SP-SC) Medium dense brown and gray SAND with clay	23.5	SPT 8	8-11-14 (25)							
25		(SM) Medium dense gray and green silty SAND	28.5	SPT 9	5-5-6 (11)							
30		(SM/SC) Loose to medium dense gray and green silty clayey SAND with trace phosphate	28.5	SPT 10	4-5-3 (8)							

(Continued Next Page)



GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

BORING NUMBER B-16

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲	
30		(SM/SC) Loose to medium dense gray and green silty clayey SAND with trace phosphate (continued)										20 40 60 80	
35			SPT 11	2-2-3 (5)									
40			SPT 12	2-3-4 (7)									
45			SPT 13	3-6-7 (13)									
50			SPT 14	6-7-23 (30)	50								
		Bottom of borehole at 50.0 feet.											

SPT BORINGS W/ ORGANICS - GINT STD US GDT - 4/17/24 15:07 - Q:\PROJECTS\16497 PROPOSED ALACHUA COUNTY CIVIL COURTHOUSE COMPLEX\16497 BORINGS\16497 BORINGS.GPJ



GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233



BORING NUMBER B-17

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida
 DATE STARTED 3/7/24 COMPLETED 3/7/24 GROUND ELEVATION _____ HOLE SIZE _____
 DRILLING CONTRACTOR Whitaker Drilling, Inc. GROUND WATER LEVELS:
 DRILLING METHOD Flight Auger ▼ AT TIME OF DRILLING NA
 LOGGED BY WDI CHECKED BY KLH ▼ ESTIMATED SEASONAL HIGH 8.0 ft


NOTES _____

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲						
												20	40	60	80			
0		(SP) Loose to medium dense gray and brown SAND with trace limestone		SPT 1	9-10-15 (25)													
					SPT 2	12-10-6 (16)												
4.5		(SP) Loose to medium dense brown SAND		SPT 3	4-4-5 (9)													
6.5		(SP) Medium dense brown and orange SAND		SPT 4	5-9-12 (21)													
8.5		▽		SPT 5	15-15-12 (27)													
		(SP) Medium dense brown SAND with trace clay		SPT 6	8-6-7 (13)													
15				SPT 7	7-9-13 (22)													
18.5		(SP) Medium dense brown SAND		SPT 8	11-12-15 (27)													
23.5				SPT 9	8-8-11 (19)													
25		(SP) Medium dense brown SAND with trace clay		SPT 10	5-5-6 (11)													
28.5		(SM) Loose to dense gray and green silty SAND with trace clay and phosphate																
30																		

(Continued Next Page)



 GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-17												
CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>												
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>												
DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲		
30		(SM) Loose to dense gray and green silty SAND with trace clay and phosphate <i>(continued)</i>										20 40 60 80		
35			▲ SPT 11	4-4-5 (9)										
40			▲ SPT 12	3-4-5 (9)										
45			▲ SPT 13	3-4-7 (11)										
50			▲ SPT 14	5-7-10 (17)										
53.8		Bottom of borehole at 53.8 feet. Boring terminated @ 53.8 ft bls due to drill and hammer refusal	▲ SPT 15	50/4"								>>		

SPT BORINGS W/ ORGANICS - GINT STD. US GDT - 4/17/24 15:07 - Q:\PROJECTS\16497 PROPOSED ALACHUA COUNTY CIVIL COURTHOUSE COMPLEX\16497 BORINGS\16497 BORINGS.GPJ


	GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-18
	CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>	
DATE STARTED <u>3/5/24</u> COMPLETED <u>3/5/24</u>		GROUND ELEVATION _____ HOLE SIZE _____	
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Flight Auger</u>		▼ AT TIME OF DRILLING <u>NA</u>	
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>		▼ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>	
NOTES _____			

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		(SP) Brown and gray SAND with trace limestone										20 40 60 80
2		(SP) Loose brown and gray SAND	2	AU 1								
				AU 2								
5		(SM) Loose to medium dense dark gray and brown silty SAND	6.5	SPT 3	3-4-3 (7)							
				SPT 4	3-4-3 (7)							
				SPT 5	4-5-7 (12)							
				SPT 6	5-9-10 (19)							
10												
15				SPT 7	9-10-9 (19)							
18		(SP) Dense brown and gray SAND	18									
20				SPT 8	13-15-19 (34)							
22.5		(SP) Medium dense gray and brown SAND with trace clay	22.5									
25				SPT 9	5-6-9 (15)							
28.5		(SM) Loose to medium dense green and gray silty SAND with trace clay and phosphate	28.5									
30				SPT 10	3-3-14 (17)							

(Continued Next Page)

 GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-18												
CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>												
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>												
DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲		
30		(SM) Loose to medium dense green and gray silty SAND with trace clay and phosphate <i>(continued)</i>										20 40 60 80		
35			SPT 11	4-4-5 (9)										
40			SPT 12	4-3-5 (8)										
45			SPT 13	6-6-10 (16)										
50			SPT 14	7-9-15 (24)	50									
		Bottom of borehole at 50.0 feet. Boring terminated @ 50 ft b/c due to drill and hammer refusal												

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	GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233		BORING NUMBER B-19
	CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>	
DATE STARTED <u>3/12/24</u> COMPLETED <u>3/12/24</u>		GROUND ELEVATION _____ HOLE SIZE _____	
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>		GROUND WATER LEVELS:	
DRILLING METHOD <u>Flight Auger</u>		▼ AT TIME OF DRILLING <u>NA</u>	
LOGGED BY <u>WDI</u> CHECKED BY <u>KLH</u>		▼ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>	
NOTES _____			

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
0		Asphalt (2 in) Limerock Base Course (8 in) (SP-SM) Gray and brown SAND with silt	0.8	AU 1								20 40 60 80
3		(SP) Loose pale brown SAND		AU 2								
5		(SP-SM) Loose to medium dense dark brown and gray SAND with silt		SPT 3	1-2-4 (6)							
6		(SP-SM) Loose to medium dense dark brown and gray SAND with silt		SPT 4	3-4-3 (7)							
8		(SC) Medium dense brown clayey SAND		SPT 5	2-5-9 (14)							
10		(SC) Medium dense brown clayey SAND		SPT 6	7-10-11 (21)							
13		(SP-SC) Dense gray SAND with clay		SPT 7	9-17-20 (37)							
15		(SP-SC) Dense gray SAND with clay		SPT 8	10-14-19 (33)							
20		(SP-SC) Dense gray SAND with clay		SPT 9	4-5-7 (12)							
23.5		(SC) Medium dense brown and green clayey SAND		SPT 10	4-4-4 (8)							
25		(SC) Medium dense brown and green clayey SAND										
28.5		(SM/SC) Loose to very dense gray and green silty clayey SAND with trace phosphate										
30		(SM/SC) Loose to very dense gray and green silty clayey SAND with trace phosphate										

(Continued Next Page)



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 5590 SW 64th St
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 Telephone: 3523773233

BORING NUMBER B-19

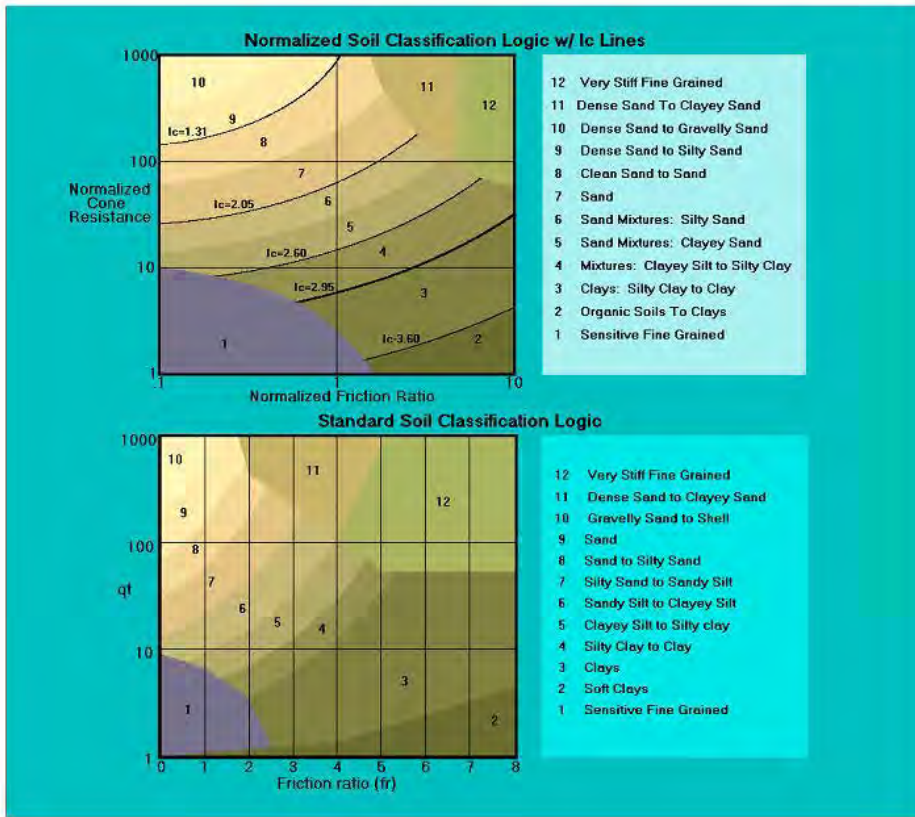
CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

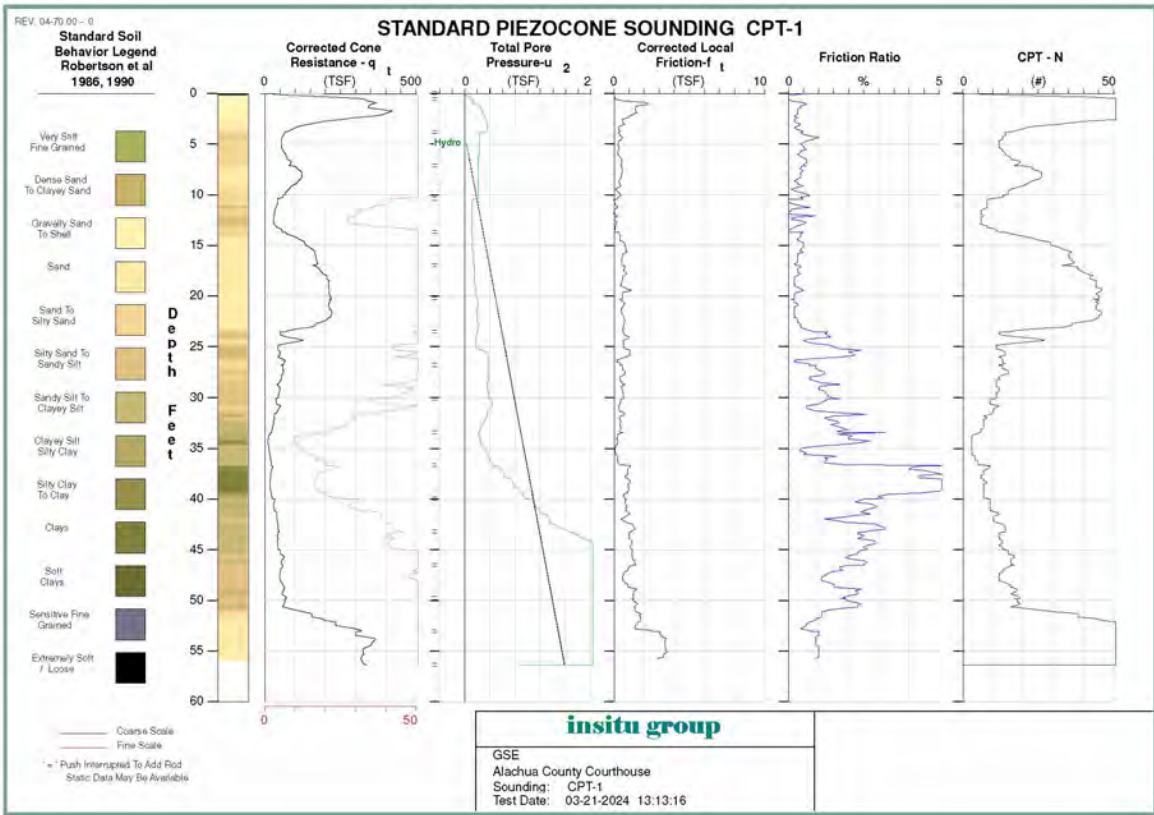
DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONTACT DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX, %	PERCENT PASS NO. 200 SIEVE	MOISTURE CONTENT, %	ORGANIC CONTENT, %	▲ SPT N VALUE ▲
30		(SM/SC) Loose to very dense gray and green silty clayey SAND with trace phosphate <i>(continued)</i>										20 40 60 80
35				SPT 11	2-3-4 (7)							
40				SPT 12	4-4-5 (9)							
45				SPT 13	4-6-8 (14)							
50				SPT 14	6-7-50/2" 57/8"							>>
53.5		(CL/CH) Stiff green CLAY with sand and trace phosphate		SPT 15	4-5-5 (10)							
57		(SM) Dense green and gray silty SAND with trace clay and phosphate										
60		Bottom of borehole at 60.0 feet.		SPT 16	15-15-28 (43)							

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

5.2 CPT Sounding Results





REV 04/20/09 - 0

STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al, 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. 1/ (TSF)	OCR
1	10 GRAVELLY SAND TO SAND	357.8	0.93	77	0.06	>85%	>43	742.8	---	---	---	---
2	10 GRAVELLY SAND TO SAND	874.2	1.24	80	0.122	>85%	>43	829.2	---	---	---	---
3	9 SAND	144	0.5	31	0.18	>85%	>43	316.8	---	---	---	---
4	8 SAND TO SILTY SAND	69.2	0.38	14	0.295	55%-65%	30-41	130.1	---	---	---	---
5	8 SAND TO SILTY SAND	53.7	0.28	12	0.29	50%-58%	37-39	118.9	---	---	---	---
6	8 SAND TO SILTY SAND	86.9	0.31	15	0.313	50%-58%	39-41	147.1	---	---	---	---
7	8 SAND TO SILTY SAND	89.2	0.5	20	0.34	58%-65%	39-41	196.3	---	---	---	---
8	9 SAND	120.4	0.47	20	0.367	65%-85%	41-43	264.9	---	---	---	---
9	8 SAND	91.1	0.32	20	0.392	58%-65%	39-41	200.8	---	---	---	---
10	8 SAND TO SILTY SAND	53.8	0.26	12	0.415	50%-60%	37-39	118.4	---	---	---	---
11	9 SAND TO SILTY SAND	97.4	0.11	5	0.436	42%-50%	35-37	92.4	---	---	---	---
12	7 SILTY SAND TO SANDY SILT	26.1	0.07	6	0.454	35-42%	33-35	64.2	---	---	---	---
13	7 SILTY SAND TO SANDY SILT	26.4	0.12	8	0.474	42%-50%	33-35	80	---	---	---	---
14	8 SAND TO SILTY SAND	79.9	0.92	17	0.499	50%-58%	37-39	174.5	---	---	---	---
15	9 SAND	140.4	0.73	31	0.528	65%-85%	39-41	308.9	---	---	---	---
16	9 SAND	166.1	0.61	36	0.555	65%-85%	39-41	365.4	---	---	---	---
17	9 SAND	170.2	0.61	36	0.584	65%-85%	39-41	374.4	---	---	---	---
18	9 SAND	202.5	0.64	43	0.612	>85%	41-43	445.6	---	---	---	---
19	9 SAND	210.1	0.72	45	0.641	>85%	41-43	622.2	---	---	---	---
20	9 SAND	214.9	0.49	45	0.668	>85%	39-41	472.9	---	---	---	---
21	9 SAND	212.3	0.66	45	0.697	>85%	39-41	467.2	---	---	---	---
22	9 SAND	212.3	0.64	45	0.725	>85%	39-41	462.2	---	---	---	---
23	9 SAND	154.9	0.62	39	0.753	58%-65%	37-39	396.7	---	---	---	---
24	9 SAND TO SILTY SAND	73.4	0.74	48	0.78	50%-58%	35-37	161.6	---	---	---	---
25	7 SILTY SAND TO SANDY SILT	47.1	0.74	32	0.808	35-42%	33-35	103.7	---	---	---	---
26	7 SILTY SAND TO SANDY SILT	51.7	0.71	33	0.834	42%-50%	33-35	113.8	---	---	---	---
27	8 SAND TO SILTY SAND	57.5	0.52	14	0.861	42%-50%	33-35	126.6	---	---	---	---
28	7 SILTY SAND TO SANDY SILT	58.7	0.51	18	0.887	42%-50%	33-35	118.1	---	---	---	---
29	7 SILTY SAND TO SANDY SILT	45.4	0.56	11	0.919	35-42%	31-33	100	---	---	---	---
30	7 SILTY SAND TO SANDY SILT	38.7	0.54	10	0.938	35-42%	31-33	95.9	---	---	---	---
31	7 SILTY SAND TO SANDY SILT	44	0.4	10	0.964	35-42%	31-33	86.8	---	---	---	---
32	8 SANDY SILT TO CLAYEY SILT	38.5	0.48	7	0.988	35-42%	29-31	82.7	---	---	---	---
33	8 SANDY SILT TO CLAYEY SILT	22.4	0.45	5	1.012	35-42%	27-29	69.4	---	---	---	---
34	5 CLAYEY SILT TO SILTY CLAY	9.4	0.21	9	1.033	---	---	---	0.6	4.4	0	11.5
35	6 SANDY SILT TO CLAYEY SILT	42.5	0.68	8	1.051	35-42%	<25	27.5	---	---	---	---
36	6 SANDY SILT TO CLAYEY SILT	18.3	0.24	8	1.072	35-42%	25-27	40.9	---	---	---	---
37	3 CLAYS	21.3	0.99	8	1.1	---	---	---	1.2	2.1	0	4
38	3 CLAYS	16.7	0.92	7	1.126	---	---	---	0.9	1.8	0	3
39	3 CLAYS	17.6	0.93	7	1.153	---	---	---	1	1.8	0	3
40	6 SANDY SILT TO CLAYEY SILT	27.6	0.74	8	1.179	35-42%	27-29	80.6	---	---	---	---

Estimated Groundwater Depth (Feet): 5


insitu group

GSE
Alachua County Courthouse
Sounding: CPT-1
Test Date: 03-21-2024 13:13:16

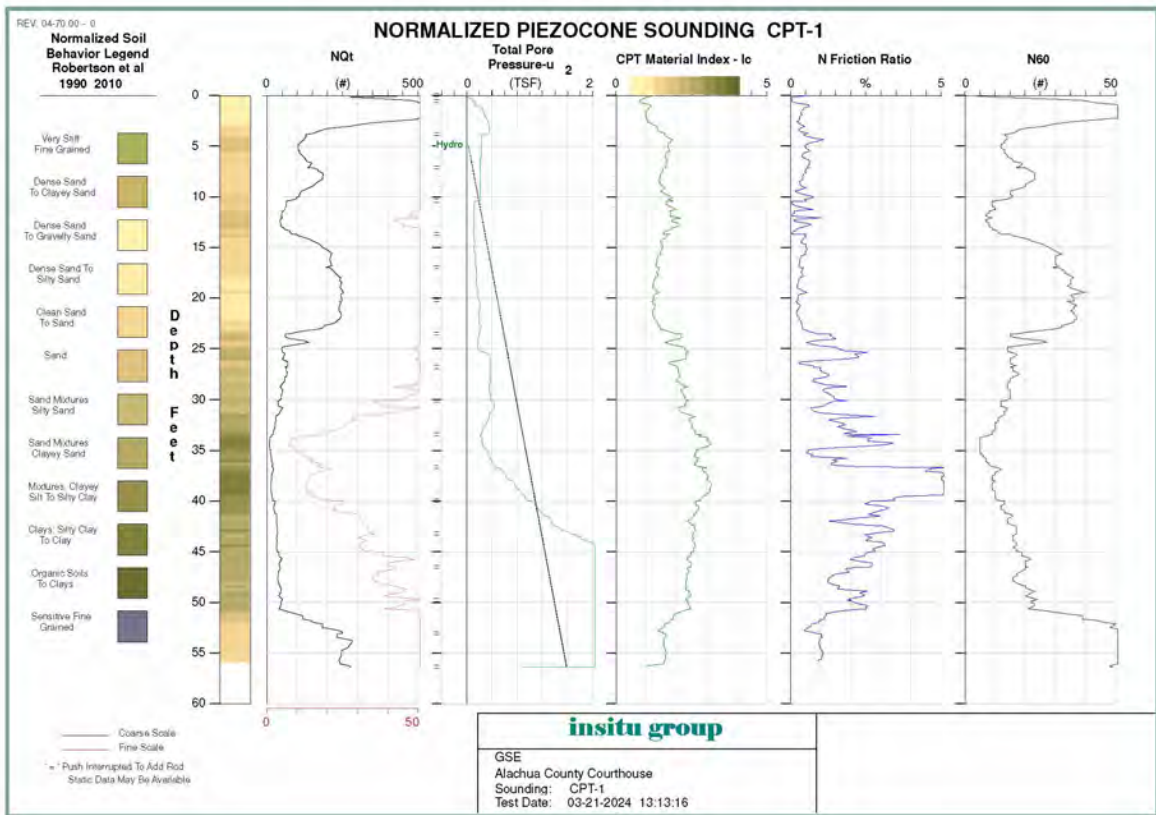
REV: 04-20 09 - 0

STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al, 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. 1/ (TSF)	OCR
41	6 SANDY SILT TO CLAYEY SILT	32.9	0.88	10	1.207	35-42%	29-31	72.4	---	---	---	---
42	6 SANDY SILT TO CLAYEY SILT	35.7	0.98	11	1.234	35-42%	29-31	87.5	---	---	---	---
43	6 SANDY SILT TO CLAYEY SILT	48.5	1.15	13	1.303	35-42%	29-31	96.7	---	---	---	---
44	6 SANDY SILT TO CLAYEY SILT	41.3	1.11	13	1.291	35-42%	29-31	90.6	---	---	---	---
45	6 SANDY SILT TO CLAYEY SILT	47.4	1.15	14	1.32	35-42%	29-31	104.4	---	---	---	---
46	6 SANDY SILT TO CLAYEY SILT	56.5	1.32	17	1.35	35-42%	31-35	124.9	---	---	---	---
47	7 SILTY SAND TO SANDY SILT	53	0.94	14	1.308	35-42%	31-33	116.7	---	---	---	---
48	7 SILTY SAND TO SANDY SILT	51.5	0.88	13	1.405	35-42%	31-33	119.4	---	---	---	---
49	7 SILTY SAND TO SANDY SILT	53.7	1.28	17	1.434	35-42%	31-33	131.4	---	---	---	---
50	7 SILTY SAND TO SANDY SILT	55.1	1.33	18	1.464	35-42%	31-33	143.2	---	---	---	---
51	8 SAND TO SILTY SAND	129.8	1.54	31	1.494	30%-50%	33-37	279.8	---	---	---	---
52	8 SAND	218.2	1.83	50	1.527	50%-65%	37-39	475.2	---	---	---	---
53	8 SAND	306.3	2.01	72	1.56	>65%	37-39	673.6	---	---	---	---
54	8 SAND	356.2	2.4	85	1.596	>65%	39-41	788.2	---	---	---	---
55	8 SAND	824	2.92	78	1.63	>65%	37-39	712.0	---	---	---	---
56	----- END OF SOUNDING -----	500.7										



GSE
Alachua County Courthouse
Sounding: CPT-1
Test Date: 03-21-2024 13:13:16



REV: 04-20-09 - 0

NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-1

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	NFriction Ratio Fr (%)	lc (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K0 (#)
1	10 GRAVELLY SAND TO DENSE SAND	600.7	0.27	0.93	47	0.08	131	38.4	807	1.1	---	---
2	10 GRAVELLY SAND TO DENSE SAND	605.5	0.30	1	53	0.122	131	38.4	952	1.1	---	---
3	0 DENSE SILTY SAND TO SAND	258.8	0.34	1.29	25	0.18	85	35.2	528	---	---	---
4	0 SAND TO CLEAN SAND	120	0.6	1.88	14	0.235	60	32	378	---	---	---
5	7 SAND	101.6	0.54	1.74	12	0.29	59	31.2	347	---	---	---
6	3 SAND TO CLEAN SAND	116.7	0.46	1.68	15	0.319	57	32	385	---	---	---
7	0 SAND TO CLEAN SAND	147.5	0.55	1.62	19	0.34	64	32.8	496	---	---	---
8	0 SAND TO CLEAN SAND	180.2	0.59	1.46	23	0.267	71	33.6	547	---	---	---
9	0 SAND TO CLEAN SAND	136.4	0.35	1.53	18	0.362	62	32.8	451	---	---	---
10	7 SAND	95.1	0.48	1.73	10	0.415	49	30.4	364	---	---	---
11	7 SAND	58.4	0.28	1.83	9	0.436	40	29.6	268	---	---	---
12	7 SAND	45.2	0.24	1.81	8	0.454	35	28	229	---	---	---
13	7 SAND	54.7	0.33	1.88	9	0.474	39	28.9	277	---	---	---
14	8 SAND TO CLEAN SAND	109.6	0.4	1.64	17	0.469	55	32	450	---	---	---
15	8 SAND TO CLEAN SAND	182.7	0.52	1.52	28	0.528	72	33.6	687	---	---	---
16	8 SAND TO CLEAN SAND	205	0.35	1.39	31	0.555	76	34.4	889	---	---	---
17	8 SAND TO CLEAN SAND	206.8	0.28	1.39	31	0.584	76	34.4	706	---	---	---
18	9 DENSE SILTY SAND TO SAND	237.6	0.31	1.3	36	0.610	82	34.4	750	---	---	---
19	9 DENSE SILTY SAND TO SAND	240	0.34	1.31	37	0.641	85	34.4	788	---	---	---
20	9 DENSE SILTY SAND TO SAND	241	0.22	1.22	38	0.688	82	34.4	719	---	---	---
21	9 DENSE SILTY SAND TO SAND	295.1	0.25	1.25	36	0.697	82	34.4	747	---	---	---
22	0 DENSE SILTY SAND TO SAND	200.9	0.3	1.3	37	0.725	81	34.4	786	---	---	---
23	0 SAND TO CLEAN SAND	150.6	0.46	1.55	28	0.753	65	32.8	691	---	---	---
24	7 SAND	83.5	1.02	1.97	20	0.78	48	30.4	627	---	---	---
25	0 SAND MIXTURES - SILTY SAND	53.2	1.61	2.25	15	0.808	38	29.6	567	---	---	---
26	0 SAND MIXTURES - SILTY SAND	56.8	1.41	2.19	16	0.854	40	28.8	577	---	---	---
27	7 SAND	61.3	0.92	2.05	16	0.861	41	29.6	559	---	---	---
28	0 SAND MIXTURES - SILTY SAND	58	0.97	2.1	16	0.887	40	28.8	534	---	---	---
29	0 SAND MIXTURES - SILTY SAND	46.5	1.27	2.23	14	0.913	36	28	500	---	---	---
30	5 SAND MIXTURES - CLAYEY SAND	38.8	1.45	2.33	18	0.938	39	28	509	---	---	---
31	0 SAND MIXTURES - SILTY SAND	43	0.94	2.18	14	0.964	35	28	480	---	---	---
32	5 SAND MIXTURES - CLAYEY SAND	26.9	1.57	2.46	11	0.988	27	26.4	448	---	---	---
33	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	20.2	2.15	2.66	9	1.012	24	24.8	429	---	---	---
34	3 CLAYS - SILTY CLAY TO CLAY	7.2	2.73	3.09	8	1.038	---	---	---	0.83	0	---
35	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	10	0.75	2.7	5	1.051	16	22.4	291	---	---	---
36	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	15.2	1.46	2.67	8	1.072	29	24	345	---	---	---
37	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	17.4	1.14	2.94	11	1.1	22	24.8	371	---	---	---
38	3 CLAYS - SILTY CLAY TO CLAY	12.8	6.28	3.1	9	1.126	---	---	---	1.04	0	---
39	8 CLAYS - SILTY CLAY TO CLAY	15.3	6.01	3.08	10	1.153	---	---	---	1.1	1	---
40	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	21.7	2.81	2.71	12	1.179	24	25.6	384	---	---	---

Estimated Groundwater Depth (Feet): 5

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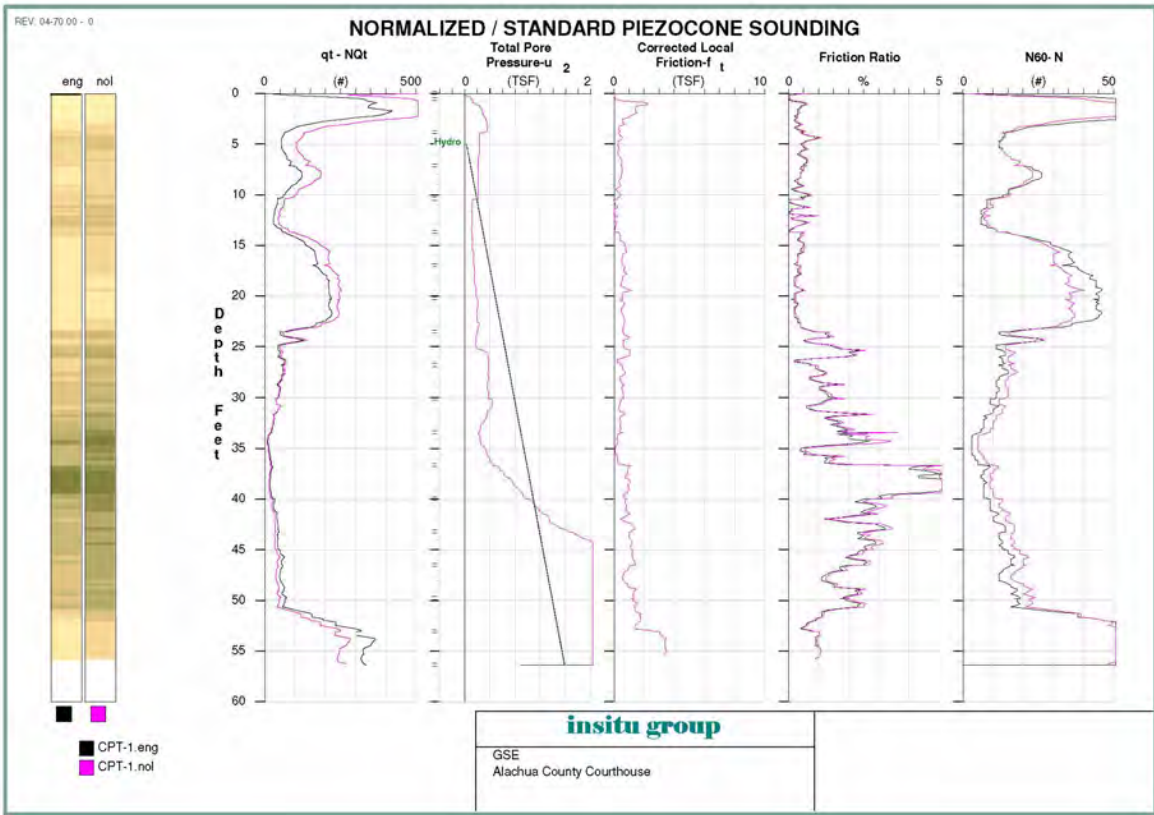
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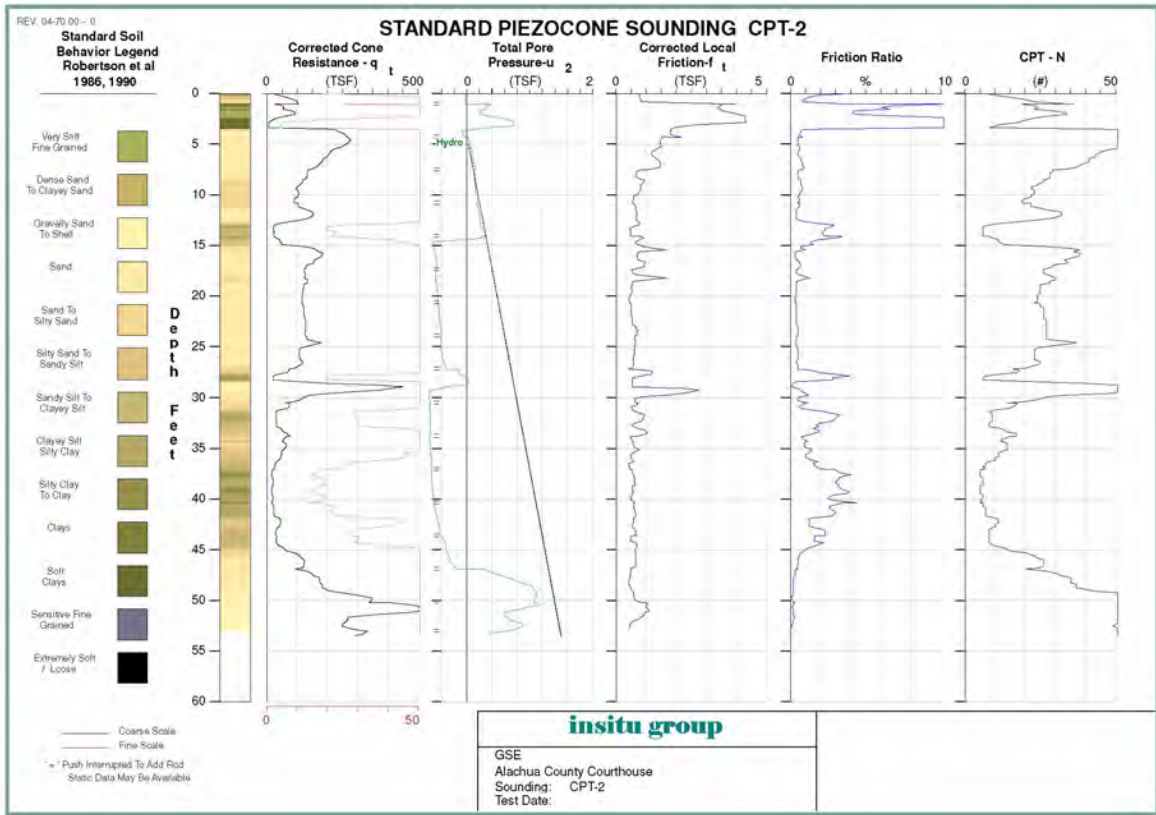
NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-1

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	NFriction Ratio Fr (%)	fc (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K0 (#)
41	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	23.8	2.87	2.65	14	1.207	27	26.4	639	1.1	---	---
42	5 SAND MIXTURES - (CLAYEY SAND)	31	2.92	2.49	15	1.234	29	27.2	628	1.1	---	---
43	5 SAND MIXTURES - (CLAYEY SAND)	32.2	2.82	2.56	17	1.263	30	27.2	755	---	---	---
44	5 SAND MIXTURES - (CLAYEY SAND)	30.6	2.85	2.59	17	1.231	29	25.4	738	---	---	---
45	5 SAND MIXTURES - (CLAYEY SAND)	35	2.58	2.52	18	1.32	31	27.2	794	---	---	---
46	5 SAND MIXTURES - (CLAYEY SAND)	41.5	2.44	2.49	21	1.35	34	28	951	1.1	1.1	1.1
47	5 SAND MIXTURES - (CLAYEY SAND)	38.3	1.86	3.4	19	1.378	33	28	756	1.1	---	---
48	5 SAND MIXTURES - (CLAYEY SAND)	36.8	1.85	2.33	17	1.405	32	27.2	670	1.1	1.1	1.1
49	5 SAND MIXTURES - (CLAYEY SAND)	41.8	2.24	2.42	21	1.484	34	28	878	---	---	---
50	5 SAND MIXTURES - (CLAYEY SAND)	46.1	2.19	2.26	23	1.464	35	28	915	---	---	---
51	7 SAND	30.7	1.27	2	24	1.444	39	31.8	1099	---	---	---
52	8 SAND TO CLEAN SAND	165.9	0.76	1.66	47	1.527	59	39.8	1253	---	---	---
53	8 SAND TO CLEAN SAND	225.7	0.45	1.58	64	1.56	62	34.4	1630	1.1	---	---
54	8 SAND TO CLEAN SAND	271.2	0.66	1.58	74	1.580	68	35.2	1875	1.1	1.1	1.1
55	8 SAND TO CLEAN SAND	240.8	1.05	1.85	71	1.631	62	34.4	1862	---	---	---
56	----- END OF SOUNDING -----											

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STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al, 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. 1/ (TSF)	OCR
1	6 SANDY SILT TO CLAYEY SILT	76.7	2.61	25	0.093	50%-65%	~43	173.2	---	---	---	---
2	12 DENSE SAND TO CLAYEY SAND	73.7	3.36	30	0.129	50%-65%	~43	162.2	---	---	---	---
3	2 SOFT CLAYS TO ORGANIC	6	3.12	13	0.19	---	---	---	0.0	0	0	0
4	9 SAND	257.4	1.78	57	0.254	>85%	~43	566.3	---	---	---	---
5	9 SAND	253.3	1.44	55	0.316	>85%	~48	557.0	---	---	---	---
6	9 SAND	199.8	1.22	44	0.349	>85%	~43	439.6	---	---	---	---
7	9 SAND	166.5	1.4	38	0.38	>85%	41-43	366.2	---	---	---	---
8	9 SAND	152.9	0.72	29	0.409	65%-85%	41-43	292.2	---	---	---	---
9	8 SAND TO SILTY SAND	106.1	0.84	24	0.439	50%-65%	39-41	233.5	---	---	---	---
10	9 SAND TO SILTY SAND	100.2	0.65	22	0.466	50%-65%	39-41	220.5	---	---	---	---
11	9 SAND TO SILTY SAND	102.4	0.58	22	0.495	50%-65%	39-41	225.2	---	---	---	---
12	9 SAND	139.5	0.68	30	0.529	65%-85%	39-41	306.9	---	---	---	---
13	6 SANDY SILT TO CLAYEY SILT	25.6	0.6	7	0.549	35-42%	31-33	56.1	---	---	---	---
14	6 SANDY SILT TO CLAYEY SILT	25.6	0.68	8	0.576	35-42%	31-33	56.3	---	---	---	---
15	8 SAND TO SILTY SAND	105.4	1.02	25	0.607	50%-65%	37-39	232.3	---	---	---	---
16	9 SAND	173.9	0.7	37	0.635	65%-85%	39-41	382.6	---	---	---	---
17	9 SAND	139.4	0.72	29	0.664	50%-65%	37-39	284.7	---	---	---	---
18	9 SAND TO SILTY SAND	126.6	1.02	30	0.694	50%-65%	37-39	276.3	---	---	---	---
19	9 SAND	122.7	0.52	36	0.722	50%-65%	37-39	269	---	---	---	---
20	9 SAND	116	0.45	34	0.749	50%-65%	37-39	255.1	---	---	---	---
21	9 SAND	117	0.49	35	0.777	50%-65%	37-39	257.4	---	---	---	---
22	9 SAND	123.5	0.52	36	0.803	50%-65%	37-39	271.5	---	---	---	---
23	9 SAND	125.3	0.61	37	0.833	50%-65%	37-39	277.9	---	---	---	---
24	9 SAND	129.9	0.64	38	0.861	50%-65%	37-39	285.5	---	---	---	---
25	9 SAND	123.3	0.61	36	0.889	50%-58%	37-39	271.3	---	---	---	---
26	9 SAND	108.6	0.57	33	0.916	50%-58%	35-37	238.8	---	---	---	---
27	8 SAND TO SILTY SAND	84.4	0.59	19	0.945	50%-58%	35-37	185.8	---	---	---	---
28	7 SILTY SAND TO SANDY SILT	41.2	0.71	11	0.971	35-42%	31-33	90.6	---	---	---	---
29	10 GRAVELLY SAND TO SAND	373.4	1.69	80	1.005	>85%	41-43	921.5	---	---	---	---
30	5 SAND TO SILTY SAND	110.3	0.88	26	1.034	50%-58%	35-37	248.4	---	---	---	---
31	7 SILTY SAND TO SANDY SILT	59.3	0.62	14	1.061	35-42%	29-35	130.5	---	---	---	---
32	5 CLAYEY SILT TO SILTY CLAY	39.4	0.89	9	1.096	---	---	---	1.1	3.0	0	0
33	7 SILTY SAND TO SANDY SILT	41.9	0.75	11	1.116	35-42%	31-33	92.1	---	---	---	---
34	8 SAND TO SILTY SAND	95.4	0.58	15	1.144	35-42%	35-38	159.8	---	---	---	---
35	7 SILTY SAND TO SANDY SILT	53.9	0.68	19	1.172	35-42%	31-33	118.5	---	---	---	---
36	7 SILTY SAND TO SANDY SILT	97.4	0.51	9	1.198	35-42%	29-31	82.3	---	---	---	---
37	5 CLAYEY SILT TO SILTY CLAY	20	0.48	6	1.223	---	---	---	1.1	4.1	0	0
38	5 CLAYEY SILT TO SILTY CLAY	18.5	0.59	6	1.249	---	---	---	1.1	3.1	0	0
39	4 SILTY CLAY TO CLAY	15.2	0.54	5	1.274	---	---	---	0.8	2.8	0	0
40	4 SILTY CLAY TO CLAY	18.7	0.55	6	1.293	---	---	---	0.9	3	0	0

Estimated Groundwater Depth (Feet): 5

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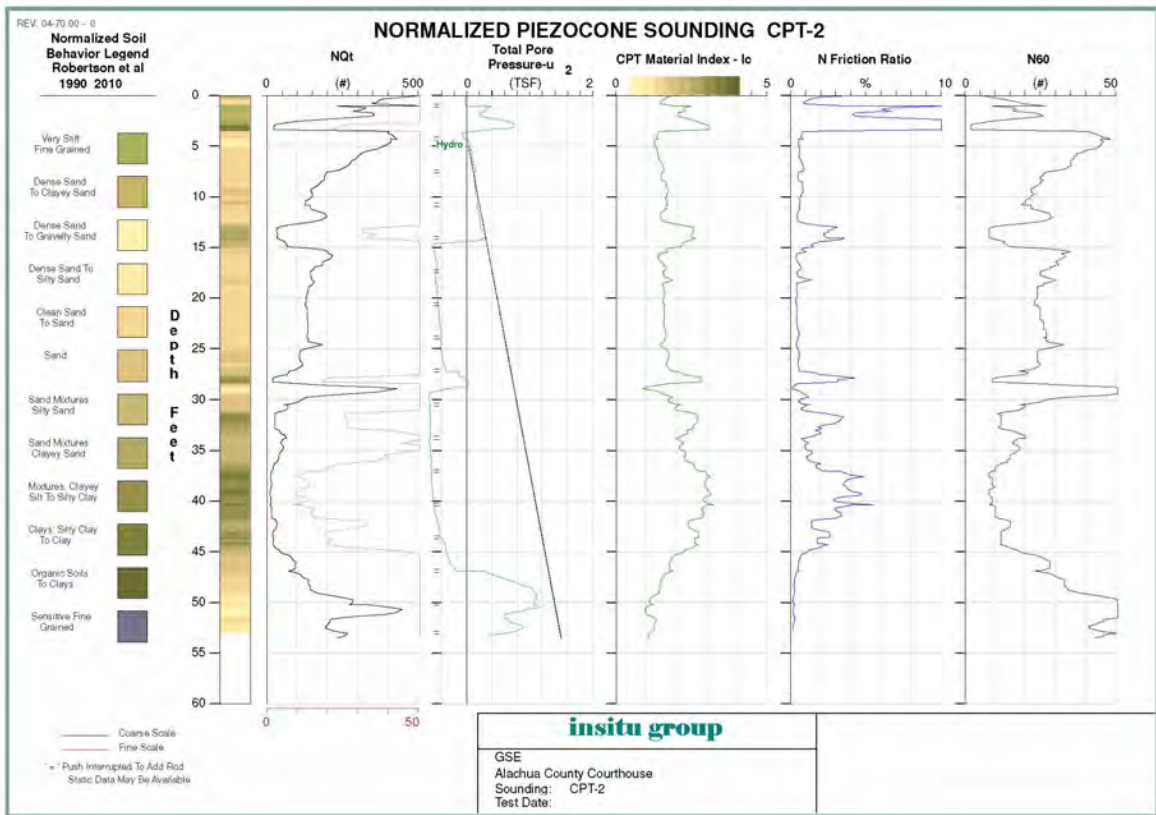
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STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al, 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. 1/ (TSF)	OCR
41	3 CLAYEY SILT TO SILTY CLAY	21.7	0.6	7	1.220	---	---	---	1.2	3.0	0	0
42	7 SILTY SAND TO SANDY SILT	39.1	0.58	10	1.252	35-42%	29-31	86.1	---	---	---	---
43	8 SANDY SILT TO CLAYEY SILT	81.4	0.61	9	1.379	35-42%	27-29	19.1	---	---	---	---
44	6 SANDY SILT TO CLAYEY SILT	30.4	0.55	8	1.494	38-42%	27-29	65.8	---	---	---	---
45	9 SAND TO SILTY SAND	79.9	0.64	17	1.433	38-42%	31-33	162.7	---	---	---	---
46	9 SAND	119.9	0.64	35	1.467	50%-58%	35-37	253.7	---	---	---	---
47	8 SAND	115.6	0.49	25	1.488	50%-58%	33-35	254.4	---	---	---	---
48	9 SAND	174.4	0.43	36	1.516	50%-58%	35-37	388.7	---	---	---	---
49	8 SAND	234.0	0.59	40	1.544	65%-85%	37-39	494.0	---	---	---	---
50	10 GRAVELLY SAND TO SAND	354.7	0.62	74	1.575	>85%	39-41	802.4	---	---	---	---
51	10 GRAVELLY SAND TO SAND	489.4	1.01	88	1.605	>85%	39-41	1059.9	---	---	---	---
52	10 GRAVELLY SAND TO SAND	359.5	0.61	83	1.636	69%-80%	33-39	570.9	---	---	---	---
53	----- END OF SOUNDING -----	300.0										

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NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-2

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	NFriction Ratio (%)	lc (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K0 (#)
1	11 DENSE SAND TO CLAYEY SAND	410	5.31	1.94	30	0.063	105	36.9	659	1.1	0	0
2	12 VERY STIFF FINE GRAINED	306	5.38	2.18	32	0.129	92	35.2	805	1.1	0	0
3	3 CLAYS - SILTY CLAY TO CLAY	31.5	10	2.97	3	0.19	---	---	---	0.4	0	0
4	8 SAND TO CLEAN SAND	427.4	0.69	1.58	48	0.254	109	38.0	1010	1.1	0	0
5	8 SAND TO CLEAN SAND	382.3	0.56	1.82	44	0.918	108	36	986	1.1	0	0
6	8 SAND TO CLEAN SAND	309.1	0.61	1.41	36	0.349	91	35.2	852	1.1	0	0
7	8 SAND TO CLEAN SAND	258.4	0.84	1.88	33	0.38	84	35.2	859	1.1	0	0
8	8 SAND TO CLEAN SAND	196.3	0.54	1.52	26	0.409	74	33.6	651	1.1	0	0
9	7 SAND	161.1	0.8	1.69	23	0.439	67	32.8	644	1.1	0	0
10	8 SAND TO CLEAN SAND	146.4	0.85	1.97	22	0.465	63	32.8	592	1.1	0	0
11	8 SAND TO CLEAN SAND	148.9	0.55	1.84	22	0.495	63	32.8	592	1.1	0	0
12	8 SAND TO CLEAN SAND	184.9	0.47	1.5	27	0.523	71	32.8	665	1.1	0	0
13	5 SAND MIXTURES - CLAYEY SAND	40.7	0.44	2.48	9	0.543	33	28	399	1.1	0	0
14	5 SAND MIXTURES - CLAYEY SAND	39.6	2.68	2.5	9	0.576	33	28	420	1.1	0	0
15	7 SAND	158.7	0.97	1.9	25	0.607	62	32.8	734	1.1	0	0
16	8 SAND TO CLEAN SAND	207.6	0.4	1.42	32	0.635	76	33.6	748	1.1	0	0
17	8 SAND TO CLEAN SAND	156.4	0.58	1.6	27	0.684	68	32.8	699	1.1	0	0
18	7 SAND	151.8	0.82	1.72	26	0.694	64	32.8	788	1.1	0	0
19	8 SAND TO CLEAN SAND	141.1	0.45	1.58	25	0.722	62	32.8	643	1.1	0	0
20	8 SAND TO CLEAN SAND	131.5	0.39	1.58	24	0.749	60	32	609	1.1	0	0
21	8 SAND TO CLEAN SAND	180.6	0.42	1.6	24	0.777	60	32	629	1.1	0	0
22	6 SAND TO CLEAN SAND	152.2	0.42	1.59	25	0.803	61	32	655	1.1	0	0
23	8 SAND TO CLEAN SAND	138.5	0.49	1.62	26	0.839	61	32	697	1.1	0	0
24	8 SAND TO CLEAN SAND	138	0.5	1.62	27	0.861	62	32.8	716	1.1	0	0
25	8 SAND TO CLEAN SAND	129	0.5	1.64	26	0.899	60	32	637	1.1	0	0
26	7 SAND	112	0.53	1.71	24	0.916	55	32	668	1.1	0	0
27	7 SAND	85.9	0.71	1.98	21	0.945	48	30.4	643	1.1	0	0
28	5 SAND MIXTURES - CLAYEY SAND	40.9	1.81	2.98	14	0.971	39	28	577	1.1	0	0
29	9 DENSE SILTY SAND TO SAND	385.7	0.45	1.26	62	1.005	101	36	1015	1.1	0	0
30	7 SAND	109.4	0.78	1.83	27	1.034	55	31.2	802	1.1	0	0
31	4 SAND MIXTURES - SILTY SAND	55.5	1.08	2.14	17	1.051	38	28.8	620	1.1	0	0
32	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	25.9	3.23	2.89	12	1.089	28	26.4	505	1.1	0	0
33	5 SAND MIXTURES - CLAYEY SAND	36.9	1.99	2.42	15	1.118	32	27.2	614	1.1	0	0
34	4 SAND MIXTURES - SILTY SAND	55.2	0.95	2.1	18	1.144	39	28.8	620	1.1	0	0
35	6 SAND MIXTURES - SILTY SAND	48.8	1.22	2.33	17	1.172	35	28	626	1.1	0	0
36	5 SAND MIXTURES - CLAYEY SAND	30.7	1.45	2.42	18	1.198	29	28.4	541	1.1	0	0
37	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	14.9	2.7	2.63	9	1.223	20	24	469	1.1	0	0
38	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	13.2	3.64	2.95	9	1.249	19	23.2	489	1.1	0	0
39	3 CLAYS - SILTY CLAY TO CLAY	10.1	4.2	3.08	8	1.274	---	---	---	0.91	0	0
40	3 CLAYS - SILTY CLAY TO CLAY	11.1	3.85	3.03	8	1.296	---	---	---	1.01	0	0

Estimated Groundwater Depth (Feet): 5


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Test Date:

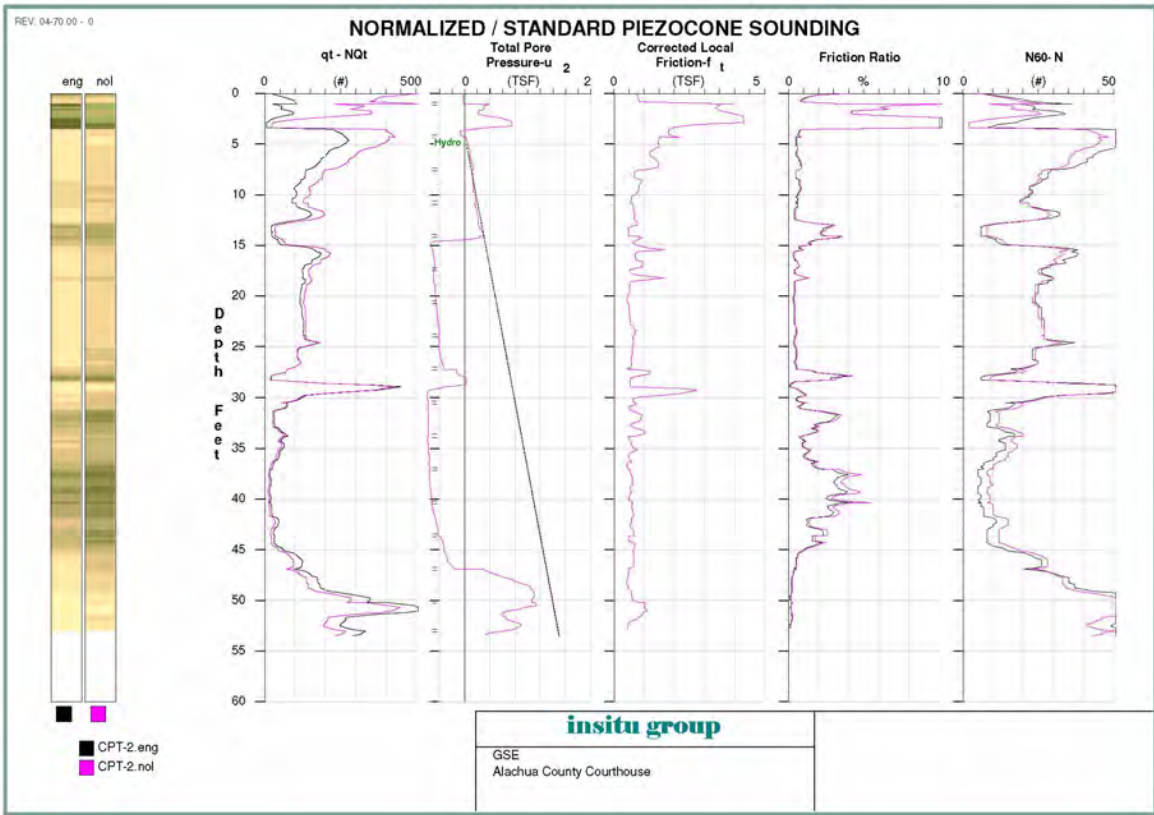
REV: 04/20/09 - 0

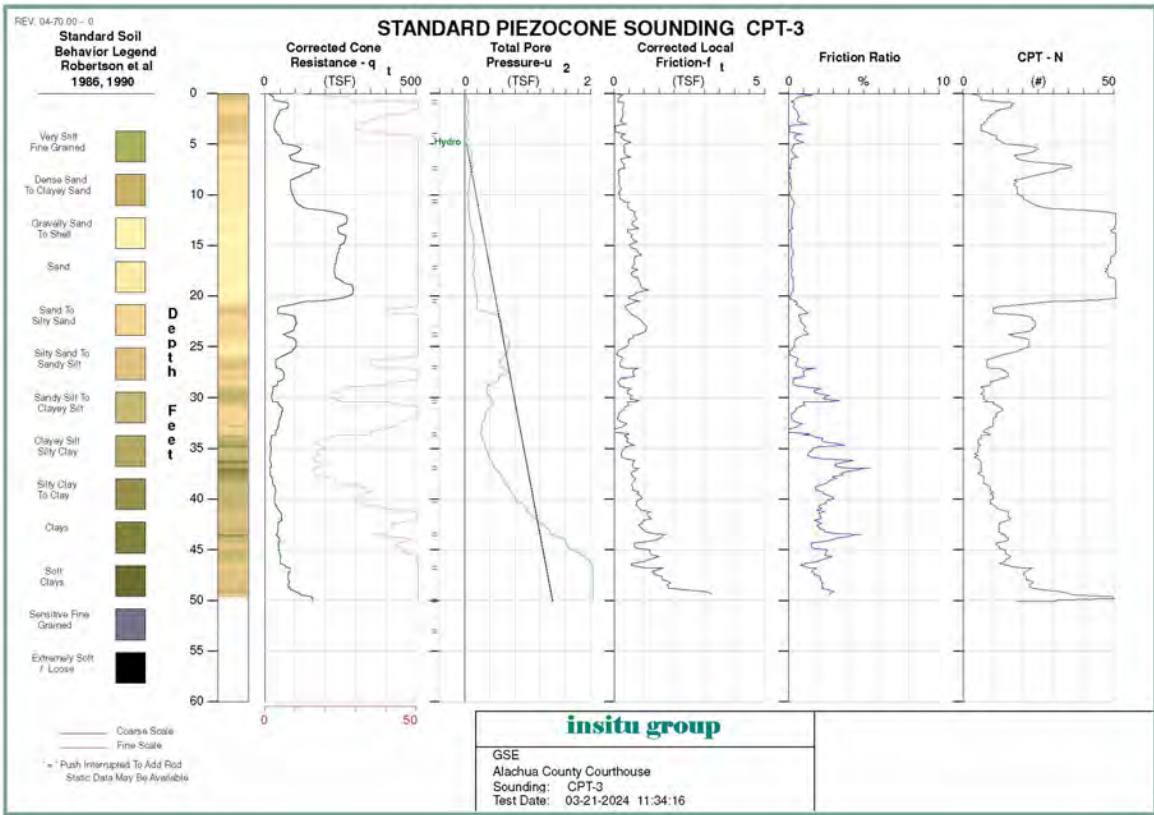
NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-2

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	NFriction Ratio F _r (%)	Ic (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K0 (#)
41	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	14.8	3.13	2.87	10	1.328	20	24	523	1.1	---	---
42	5 SAND MIXTURES - (CLAYEY SAND)	28.7	1.59	2.47	14	1.952	28	26.4	609	1.1	---	---
43	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	21.8	2.12	2.64	18	1.879	24	25.6	586	1.1	---	---
44	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	20.7	2.00	2.64	12	1.404	24	24.8	565	1.1	---	---
45	6 SAND MIXTURES - SILTY SAND	55.5	0.9	2.09	21	1.493	99	28.8	721	1.1	---	---
46	7 SAND	83.9	0.55	1.76	26	1.462	51	31.2	959	1.1	1.1	1.1
47	7 SAND	83.3	0.45	1.75	26	1.488	48	30.4	742	1.1	---	---
48	8 SAND TO CLEAN SAND	159.6	0.25	1.47	39	1.516	62	32.8	792	1.1	1.1	1.1
48	8 SAND TO CLEAN SAND	192	0.29	1.95	30	1.544	71	33.6	879	1.1	---	---
50	8 DENSE SILTY SAND TO SAND	300.2	0.20	1.14	96	1.575	91	35.2	1099	1.1	---	---
51	8 DENSE SILTY SAND TO SAND	404.6	0.21	1.99	60	1.600	95	36.8	1247	1.1	---	---
52	9 DENSE SILTY SAND TO SAND	598.8	0.25	1.8	44	1.636	78	38.8	954	1.1	---	---
53	----- END OF SOUNDING -----											



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Test Date:





REV: 04-20 09 - 0

STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al, 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. 1/ (TSF)	OCR
1	SAND TO SILTY SAND	59	0.22	12	0.053	50%-55%	4-3	120.9	---	---	---	---
2	SILTY SAND TO SANDY SILT	42.4	0.27	10	0.107	50%-55%	4-1-3	90.3	---	---	---	---
3	SAND TO SILTY SAND	39.3	0.15	7	0.159	50%-55%	37-33	66.6	---	---	---	---
4	SAND TO SILTY SAND	46.9	0.24	10	0.212	50%-55%	39-41	100.8	---	---	---	---
5	SAND TO SILTY SAND	89.3	0.39	19	0.268	55%-60%	4-1-3	196.6	---	---	---	---
6	SAND TO SILTY SAND	95.4	0.37	20	0.299	55%-60%	39-41	198.9	---	---	---	---
7	SAND	157.6	0.31	32	0.319	>85%	4-1-3	346.9	---	---	---	---
8	SAND	121.7	0.16	25	0.342	65%-85%	4-1-3	267.7	---	---	---	---
9	SAND	83.9	0.16	18	0.355	55%-65%	39-41	184.7	---	---	---	---
10	SAND	92	0.18	19	0.387	55%-65%	39-41	202.5	---	---	---	---
11	SAND	119.9	0.44	24	0.414	55%-65%	39-41	246.2	---	---	---	---
12	GRAVELLY SAND TO SAND	254.9	0.7	54	0.442	>85%	4-3	560.5	---	---	---	---
13	GRAVELLY SAND TO SAND	252.2	0.63	62	0.478	>85%	4-3	555	---	---	---	---
14	GRAVELLY SAND TO SAND	261.6	0.59	55	0.5	>85%	4-1-3	575.5	---	---	---	---
15	GRAVELLY SAND TO SAND	248.4	0.62	52	0.529	>85%	4-1-3	546.4	---	---	---	---
16	SAND	236.8	0.76	59	0.557	>85%	4-1-3	520.9	---	---	---	---
17	SAND	230	0.66	49	0.586	>85%	4-1-3	506	---	---	---	---
18	SAND	234.9	0.68	50	0.614	>85%	4-1-3	516.7	---	---	---	---
19	GRAVELLY SAND TO SAND	284.1	0.84	61	0.645	>85%	4-1-3	625.1	---	---	---	---
20	GRAVELLY SAND TO SAND	261.6	0.81	55	0.673	>85%	4-1-3	575.5	---	---	---	---
21	SAND TO SILTY SAND	88	0.32	30	0.7	50%-55%	35-37	183.7	---	---	---	---
22	SAND TO SILTY SAND	33.6	0.21	20	0.727	50%-55%	35-37	184.3	---	---	---	---
23	SAND TO SILTY SAND	46.7	1.03	22	0.757	50%-55%	37-39	212.8	---	---	---	---
24	SAND TO SILTY SAND	78	0.63	18	0.793	50%-55%	35-37	171.7	---	---	---	---
25	SAND	86.4	0.31	21	0.809	50%-55%	35-37	212.2	---	---	---	---
26	SAND TO SILTY SAND	47	0.21	10	0.831	55-62%	33-35	109.4	---	---	---	---
27	SILTY SAND TO SANDY SILT	46.5	0.5	11	0.857	35-42%	31-33	96.7	---	---	---	---
28	SAND TO SILTY SAND	56.5	0.32	13	0.881	45%-50%	39-33	124.3	---	---	---	---
29	SILTY SAND TO SANDY SILT	28.2	0.89	7	0.906	35-42%	29-31	52.1	---	---	---	---
30	SANDY SILT TO CLAYEY SILT	26.1	0.57	8	0.931	35-42%	29-31	57.6	---	---	---	---
31	SAND TO SILTY SAND	53.5	0.34	12	0.956	35-42%	33-35	117.9	---	---	---	---
32	SAND TO SILTY SAND	46.6	0.46	10	0.979	35-42%	31-33	106.9	---	---	---	---
33	SAND TO SILTY SAND	39.3	0.12	8	0.998	35-42%	31-33	86.4	---	---	---	---
34	SANDY SILT TO CLAYEY SILT	24.5	0.4	7	1.022	35-42%	27-29	53.9	---	---	---	---
35	SANDY SILT TO CLAYEY SILT	18.9	0.99	5	1.046	39-42%	25-27	41	---	---	---	---
36	CLAYEY SILT TO SILTY CLAY	18.0	0.44	5	1.07	---	---	---	0.9	3.6	0	3
37	SILTY CLAY TO CLAY	15.6	0.69	6	1.096	---	---	---	0.9	3.4	0	3
38	CLAYEY SILT TO SILTY CLAY	22.9	0.65	7	1.121	---	---	---	1.9	3.5	0	5
39	SANDY SILT TO CLAYEY SILT	33.7	0.88	9	1.148	35-42%	29-31	74.2	---	---	---	---
40	SANDY SILT TO CLAYEY SILT	30.1	0.8	8	1.175	35-42%	27-29	66.4	---	---	---	---

Estimated Groundwater Depth (Feet): 5

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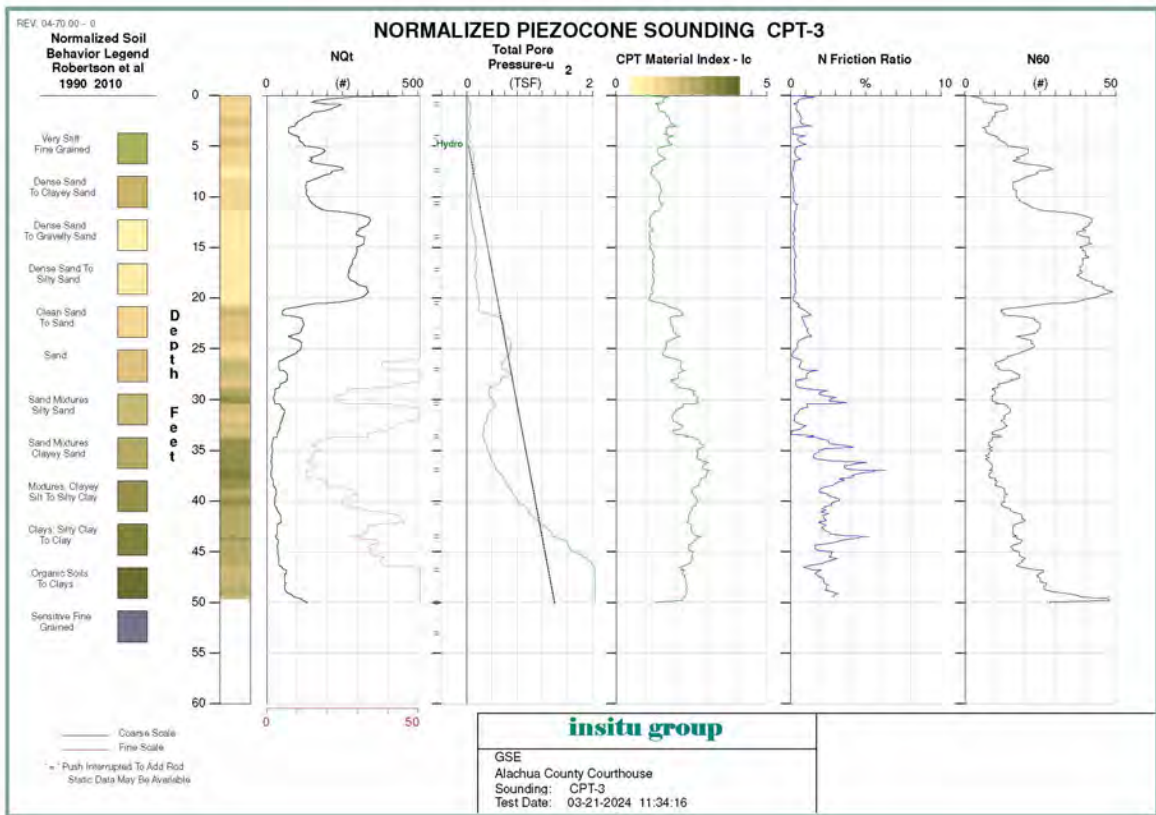
REV: 04.70.00 - 0

STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al, 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. 1/ (TSF)	OCR
41	6 SANDY SILT TO CLAYEY SILT	46.1	0.98	13	1.03	35-42%	31-33	98.2	--	--	--	--
43	7 SILTY SAND TO SANDY SILT	50.2	1.05	14	1.01	35-42%	31-33	110.5	--	--	--	--
43	6 SANDY SILT TO CLAYEY SILT	41.6	1.09	12	1.28	35-42%	29-31	91.6	--	--	--	--
44	6 SANDY SILT TO CLAYEY SILT	42.3	1.37	14	1.288	35-42%	29-31	93.1	--	--	--	--
45	6 SANDY SILT TO CLAYEY SILT	45.3	1	13	1.517	35-42%	29-31	99.9	--	--	--	--
46	6 SANDY SILT TO CLAYEY SILT	50.6	1.09	14	1.346	35-42%	31-33	111.3	--	--	--	--
47	7 SILTY SAND TO SANDY SILT	77.8	1.3	21	1.575	42%-50%	33-35	171.2	--	--	--	--
48	7 SILTY SAND TO SANDY SILT	77.3	1.72	22	1.466	42%-50%	33-35	170.2	--	--	--	--
48	6 SANDY SILT TO CLAYEY SILT	98.6	2.7	31	1.438	42%-50%	33-35	217.1	--	--	--	--
50	----- END OF SOUNDING -----	166.9										

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NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-3

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	NFriction Ratio (%)	lc (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K0 (#)
1	8 SAND TO CLEAN SAND	180.5	0.37	1.42	11	0.053	74	33.6	255	..	..	..
2	7 SAND	130.4	0.63	1.69	9	0.107	61	32	259	..	..	..
3	7 SAND	82.2	0.49	1.9	7	0.158	46	30.4	211	..	..	..
4	7 SAND	101.5	0.52	1.75	11	0.212	55	31.2	292	..	..	..
5	8 SAND TO CLEAN SAND	157.9	0.43	1.59	18	0.268	67	32.8	444	..	..	..
6	8 SAND TO CLEAN SAND	135.5	0.41	1.38	16	0.299	66	32.9	469	..	..	..
7	9 DENSE SILTY SAND TO SAND	226	0.19	1.22	26	0.319	80	34.4	529	..	..	..
8	9 DENSE SILTY SAND TO SAND	173.4	0.13	1.27	21	0.342	70	33.6	434	..	..	..
9	8 SAND TO CLEAN SAND	126.8	0.22	1.47	16	0.365	60	32	365	..	..	..
10	8 SAND TO CLEAN SAND	159.3	0.19	1.43	17	0.387	61	32	401	..	..	..
11	8 SAND TO CLEAN SAND	161.4	0.19	1.5	22	0.414	67	33.9	534	..	..	..
12	9 DENSE SILTY SAND TO SAND	321.3	0.27	1.16	40	0.442	95	36	752	..	..	..
13	9 DENSE SILTY SAND TO SAND	311.4	0.25	1.15	40	0.471	94	36	774	..	..	..
14	9 DENSE SILTY SAND TO SAND	314.4	0.22	1.12	40	0.5	94	36	773	..	..	..
15	9 DENSE SILTY SAND TO SAND	297.4	0.25	1.17	40	0.529	92	35.2	792	..	..	..
16	9 DENSE SILTY SAND TO SAND	284	0.32	1.24	40	0.557	90	35.2	814	..	..	..
17	9 DENSE SILTY SAND TO SAND	270.2	0.28	1.23	38	0.586	87	35.2	789	..	..	..
18	9 DENSE SILTY SAND TO SAND	271.9	0.28	1.24	39	0.614	89	35.2	897	..	..	..
19	9 DENSE SILTY SAND TO SAND	322.1	0.33	1.21	47	0.645	95	36	940	..	..	..
20	9 DENSE SILTY SAND TO SAND	289.9	0.23	1.16	41	0.673	91	35.2	812	..	..	..
21	7 SAND	104.3	0.59	1.75	20	0.7	54	31.2	572	..	..	..
22	7 SAND	98.6	0.85	1.97	21	0.727	53	31.2	692	..	..	..
23	7 SAND	111.6	1.07	1.89	25	0.757	58	32	750	..	..	..
24	7 SAND	87.9	0.80	1.9	20	0.783	50	30.4	610	..	..	..
25	8 SAND TO CLEAN SAND	104.1	0.32	1.62	21	0.809	54	31.2	550	..	..	..
26	7 SAND	50.7	0.66	1.97	15	0.831	39	28.9	296	..	..	..
27	6 SAND MIXTURES - SILTY SAND	46.6	1.19	2.21	14	0.857	36	28	485	..	..	..
28	7 SAND	58.9	0.67	1.99	15	0.881	41	29.6	490	..	..	..
29	5 SAND MIXTURES - CLAYEY SAND	28.7	1.46	2.44	10	0.906	29	26.4	429	..	..	..
30	5 SAND MIXTURES - CLAYEY SAND	25.9	2.36	2.6	11	0.931	27	26.4	479	..	..	..
31	7 SAND	52.8	0.65	2.02	15	0.956	38	28.9	480	..	..	..
32	7 SAND	46.9	0.74	1.94	15	0.979	36	28	392	..	..	..
33	7 SAND	57.1	0.92	2.03	11	0.998	32	27.2	351	..	..	..
34	5 SAND MIXTURES - CLAYEY SAND	22	1.76	2.88	10	1.022	26	25.6	428	..	..	..
35	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	15.9	2.33	2.76	8	1.046	21	24	395	..	..	..
36	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	19.9	2.97	2.87	8	1.07	19	24	462	..	..	..
37	3 CLAYS - SILTY CLAY TO CLAY	13.2	4.66	3.01	9	1.096	..	..	..	1.04	1	..
38	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	18.5	3.12	2.76	10	1.121	20	24.8	504	..	..	..
39	5 SAND MIXTURES - CLAYEY SAND	27.8	2.15	2.55	15	1.148	28	28.4	572	..	..	..
40	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	24	2.86	2.87	10	1.175	25	25.6	586

Estimated Groundwater Depth (Feet): %

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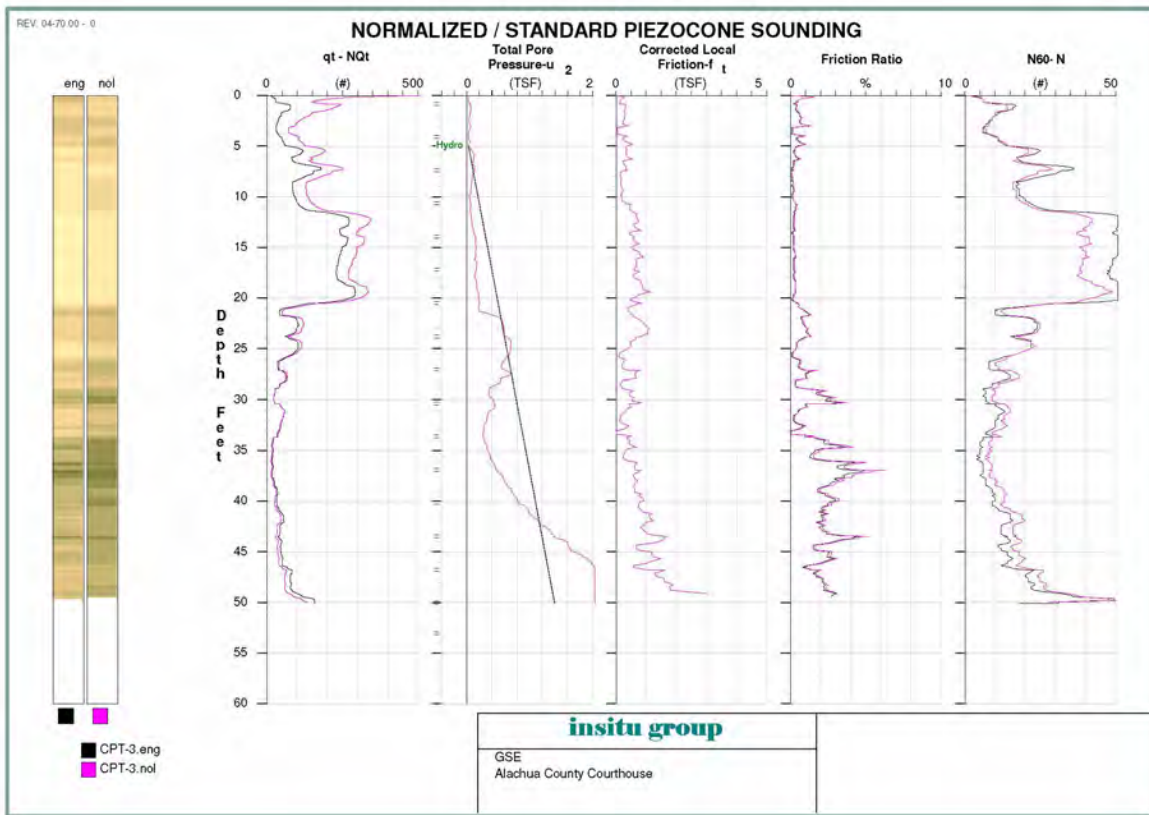
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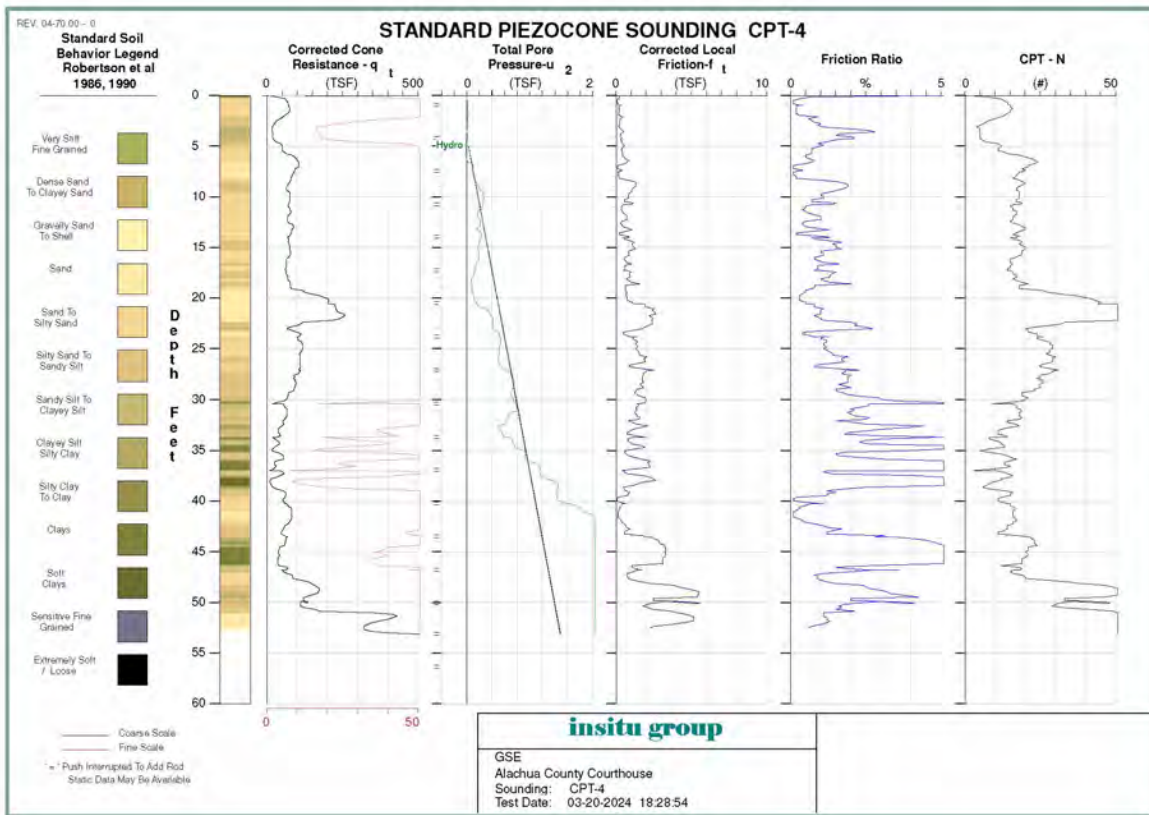
NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-3

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	NFriction Ratio Fr (%)	Ic (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K0 (#)
41	SAND MIXTURES - CLAYEY SAND	36.3	2.24	2.47	17	1209	32	27.2	701	--	--	--
42	SAND MIXTURES - CLAYEY SAND	40	2.18	2.48	18	1231	33	28	746	--	--	--
43	SAND MIXTURES - CLAYEY SAND	81.6	2.62	2.55	16	126	30	27.2	712	--	--	--
44	SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	81.5	3.48	2.88	17	1288	30	27.2	800	--	--	--
45	SAND MIXTURES - CLAYEY SAND	33.5	2.33	2.5	17	1317	30	27.2	709	--	--	--
46	SAND MIXTURES - CLAYEY SAND	37	2.25	2.46	19	1346	32	27.2	777	--	--	--
47	SAND MIXTURES - SILTY SAND	59.3	1.72	2.24	25	1375	40	29.6	600	--	--	--
48	SAND MIXTURES - CLAYEY SAND	58.3	2.65	2.33	26	1406	40	29.8	1024	--	--	--
49	SAND MIXTURES - CLAYEY SAND	71.1	2.81	2.32	33	1438	45	29.8	1299	--	--	--
50	----- END OF SOUNDING -----											

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STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al, 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. 1/ (TSF)	OCR
1	SAND TO SILTY SAND	70	0.19	10	0.053	50%-55%	3-0	154.1	---	---	---	---
2	SAND TO SILTY SAND	59.5	0.27	11	0.107	50%-55%	4-0	111.3	---	---	---	---
3	SANDY SILT TO CLAYEY SILT	18.7	0.27	8	0.16	42%-50%	35-37	41.8	---	---	---	---
4	SANDY SILT TO CLAYEY SILT	18.7	0.30	8	0.213	42%-50%	35-37	41.1	---	---	---	---
5	SILTY SAND TO SANDY SILT	48.6	0.45	12	0.269	50%-55%	37-39	107	---	---	---	---
6	SAND TO SILTY SAND	86.2	0.58	20	0.296	58%-65%	39-41	199.7	---	---	---	---
7	SAND	99.1	0.27	21	0.32	58%-65%	39-41	218.1	---	---	---	---
8	SAND TO SILTY SAND	82.7	0.38	18	0.345	58%-65%	39-41	182	---	---	---	---
9	SILTY SAND TO SANDY SILT	86.2	1.14	18	0.375	50%-55%	37-39	148.8	---	---	---	---
10	SAND TO SILTY SAND	79.8	0.72	18	0.402	55%-65%	37-39	162.8	---	---	---	---
11	SAND TO SILTY SAND	72.1	0.52	17	0.426	50%-55%	37-39	159.6	---	---	---	---
12	SAND TO SILTY SAND	68.3	0.64	16	0.455	50%-55%	37-39	150.3	---	---	---	---
13	SAND TO SILTY SAND	85.6	0.65	19	0.483	58%-65%	37-39	184.1	---	---	---	---
14	SAND TO SILTY SAND	70	0.68	17	0.509	50%-55%	37-39	154.1	---	---	---	---
15	SILTY SAND TO SANDY SILT	75.3	1.06	19	0.539	50%-55%	37-39	165.8	---	---	---	---
16	SAND TO SILTY SAND	87.3	0.87	16	0.568	60%-65%	38-37	148	---	---	---	---
17	SILTY SAND TO SANDY SILT	60.9	0.84	15	0.593	60%-65%	38-37	194	---	---	---	---
18	SILTY SAND TO SANDY SILT	69.9	0.97	17	0.621	60%-65%	38-37	183.9	---	---	---	---
19	SAND TO SILTY SAND	94.4	0.63	21	0.649	60%-65%	37-39	207.7	---	---	---	---
20	SAND	192.3	0.78	42	0.677	>85%	39-41	429.1	---	---	---	---
21	SAND	222.8	2.08	58	0.71	>85%	39-41	460.1	---	---	---	---
22	SAND	218.6	2.35	58	0.743	>85%	39-41	474.9	---	---	---	---
23	SILTY SAND TO SANDY SILT	84.1	1.80	23	0.774	50%-55%	35-37	185	---	---	---	---
24	SAND TO SILTY SAND	109.4	1.15	26	0.803	60%-65%	37-39	234.2	---	---	---	---
25	SAND TO SILTY SAND	110.3	1.44	28	0.834	60%-65%	37-39	249.3	---	---	---	---
26	SILTY SAND TO SANDY SILT	107.5	1.92	29	0.865	50%-55%	35-37	226.8	---	---	---	---
27	SILTY SAND TO SANDY SILT	106.7	1.87	29	0.897	60%-65%	35-37	234.9	---	---	---	---
28	SILTY SAND TO SANDY SILT	82	1.75	25	0.928	60%-65%	35-37	202.5	---	---	---	---
29	SILTY SAND TO SANDY SILT	81.3	1.44	22	0.958	50%-55%	35-37	178.9	---	---	---	---
30	CLAYEY SILT TO SILTY CLAY	43.9	1.79	16	0.988	---	---	---	1.7	3.6	0	8
31	SILTY SAND TO SANDY SILT	63.7	1.33	18	1.018	40%-50%	33-35	140.8	---	---	---	---
32	SANDY SILT TO CLAYEY SILT	55.6	1.28	16	1.046	35-42%	31-33	122.4	---	---	---	---
33	SANDY SILT TO CLAYEY SILT	38.9	1.04	12	1.075	35-42%	31-33	85.5	---	---	---	---
34	SILTY CLAY w/ CLAY	30.4	1.23	11	1.100	---	---	---	1.0	2.4	0	8
35	CLAYEY SILT TO SILTY CLAY	28.7	1.01	9	1.131	---	---	---	1.6	3.6	0	8
36	CLAYS	36.7	1.88	15	1.161	---	---	---	2.8	4.9	0	8
37	CLAYEY SILT TO SILTY CLAY	31.7	0.88	10	1.188	---	---	---	1.9	3.2	0	8
38	SOFT CLAYS TO ORGANIC	11	1.89	10	1.217	---	---	---	0.5	0.5	0	1-1.5
39	SILTY SAND TO SANDY SILT	58.5	0.74	14	1.245	35-42%	31-33	117.4	---	---	---	---
40	SAND TO SILTY SAND	88.9	0.95	19	1.269	35-42%	31-33	129.7	---	---	---	---



Estimated Groundwater Depth (Feet) %

GSE
Alachua County Courthouse
Sounding: CPT-4
Test Date: 03-20-2024 18:28:54

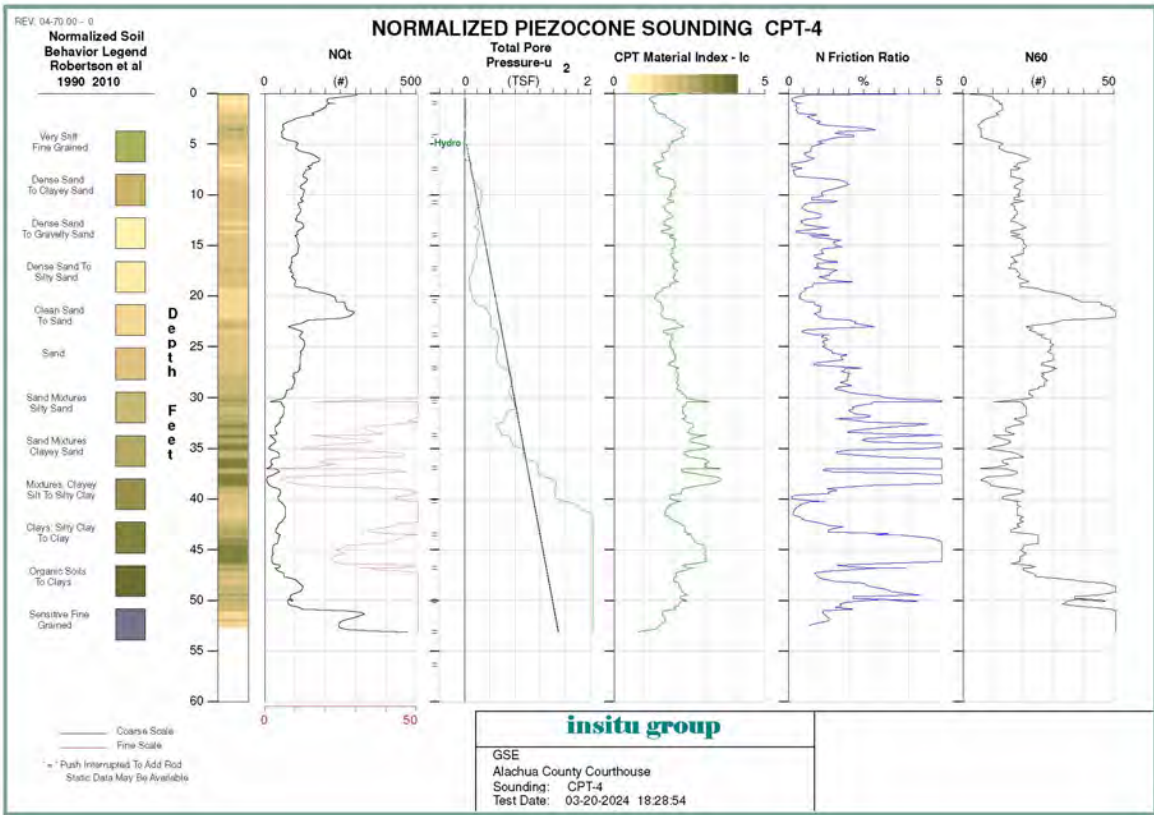
REV: 04-20 09 - 0

STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al. 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. 1/ (TSF)	OCR
41	3 SAND	75.8	0.16	17	1.202	42%-50%	33-35	173.1	---	---	---	---
42	8 SAND TO SILTY SAND	71.4	0.44	16	1.217	42%-50%	33-35	157	---	---	---	---
43	7 SILTY SAND TO SANDY SILT	50.0	0.91	14	1.345	35-42%	31-33	110.7	---	---	---	---
44	5 CLAYEY SILT TO SILTY CLAY	61.8	2.85	23	1.577	---	---	---	---	2.5	0	5
45	3 CLAYS	88.9	8.27	21	1.408	---	---	---	---	1.1	0	8
46	5 CLAYS	39.6	2.67	16	1.44	---	---	---	---	1.5	0	6
47	7 SILTY SAND TO SANDY SILT	83.8	1.15	17	1.47	38-42%	31-33	140.4	---	---	---	---
48	7 SILTY SAND TO SANDY SILT	142.6	2.6	33	1.507	50%-58%	25-37	339.8	---	---	---	---
49	8 SANDY SILT TO CLAYEY SILT	154.6	5.89	32	1.388	50%-58%	25-37	340.5	---	---	---	---
50	7 SILTY SAND TO SANDY SILT	119.8	3.47	36	1.379	50%-58%	33-35	253.6	---	---	---	---
51	3 SAND	195.8	3.88	77	1.056	>65%	37-39	579.8	---	---	---	---
52	8 SAND	252.2	4.16	87	1.044	>65%	39-41	375.7	---	---	---	---
53	----- END OF SOUNDING -----	356.4										

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NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-4

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	NFriction Ratio Fr (%)	lc (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K0 (#)
1	8 DENSE SILTY SAND TO SAND	327.0	0.25	1.31	12	0.053	76	33.8	26.4	..	..	..
2	8 SAND TO CLEAN SAND	144.8	0.53	1.61	11	0.107	84	32.8	27.8	..	..	..
3	8 SAND MIXTURES - SILTY SAND	84.9	1.45	2.15	6	0.16	43	29.6	20.3	..	..	..
4	8 SAND MIXTURES - SILTY SAND	55.4	1.78	2.26	6	0.219	40	28.6	23.2	..	..	..
5	7 SAND	102.4	0.92	1.87	12	0.269	54	31.0	37.0	..	..	..
6	8 SAND TO CLEAN SAND	158.3	0.66	1.65	19	0.286	66	32.8	46.8	..	..	..
7	8 SAND TO CLEAN SAND	155.2	0.27	1.43	19	0.32	66	32.8	43.9	..	..	..
8	8 SAND TO CLEAN SAND	134	0.43	1.59	17	0.345	61	32	44.2	..	..	..
9	7 SAND	121.2	1.75	2.01	18	0.375	58	32	60.1	..	..	..
10	7 SAND	121.7	0.98	1.93	18	0.402	58	32	55.4	..	..	..
11	7 SAND	112.4	0.72	1.79	17	0.408	55	32	42.9	..	..	..
12	7 SAND	105.9	0.94	1.87	17	0.455	55	31.2	51.8	..	..	..
13	7 SAND	132	0.78	1.77	20	0.483	59	32	52.0	..	..	..
14	7 SAND	102.4	0.98	1.89	18	0.509	54	31.2	54.4	..	..	..
15	7 SAND	108.8	1.40	1.98	20	0.539	55	32	65.8	..	..	..
16	7 SAND	93.1	1	1.93	18	0.565	51	31.2	54.8	..	..	..
17	7 SAND	82.6	1.08	1.99	17	0.589	48	30.4	53.5	..	..	..
18	7 SAND	92.6	1.26	2	19	0.631	51	31.2	62.9	..	..	..
19	7 SAND	116.8	0.67	1.75	22	0.649	57	32	61.4	..	..	..
20	8 SAND TO CLEAN SAND	220.5	0.4	1.39	25	0.677	79	34.4	79.9	..	..	..
21	8 SAND TO CLEAN SAND	257.8	0.93	1.59	47	0.71	85	35.2	118.1	..	..	..
22	8 SAND TO CLEAN SAND	246	1.09	1.85	47	0.743	83	34.4	104.0	..	..	..
23	8 SAND MIXTURES - SILTY SAND	97.6	1.79	2.09	24	0.774	52	31.2	82.8	..	..	..
24	7 SAND	118.5	1.1	1.88	27	0.803	58	32	81.5	..	..	..
25	7 SAND	123.6	1.28	1.91	29	0.834	59	32	90.2	..	..	..
26	7 SAND	115.4	1.71	2.02	30	0.865	57	32	98.0	..	..	..
27	7 SAND	111.9	1.77	2.04	30	0.897	56	32	109.0	..	..	..
28	8 SAND MIXTURES - SILTY SAND	84.3	1.91	2.11	27	0.929	51	31.2	90.9	..	..	..
29	8 SAND MIXTURES - SILTY SAND	81.3	1.8	2.14	24	0.958	48	30.4	85.9	..	..	..
30	5 SAND MIXTURES - CLAYEY SAND	41.9	4.15	2.6	17	0.988	34	28	80.4	..	..	..
31	8 SAND MIXTURES - SILTY SAND	60.8	2.14	2.29	21	1.018	41	29.8	89.8	..	..	..
32	5 SAND MIXTURES - CLAYEY SAND	51.5	2.97	2.97	16	1.046	38	28.8	77.6	..	..	..
33	5 SAND MIXTURES - CLAYEY SAND	34.5	2.91	2.55	16	1.075	31	27.2	66.8	..	..	..
34	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	26	4.29	2.75	14	1.103	27	26.4	67.7	..	..	..
35	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	21.8	4.09	2.8	12	1.131	25	25.6	61.4	..	..	..
36	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	29.9	3.42	2.79	17	1.161	29	26.4	85.1	..	..	..
37	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	25	3.31	2.7	14	1.189	26	25.6	64.8	..	..	..
38	3 CLAYS - SILTY CLAY TO CLAY	6.9	19	3.43	8	1.217	..	..	..	0.62	0	..
39	6 SAND MIXTURES - SILTY SAND	42.7	1.44	2.29	18	1.245	34	28	68.8	..	..	..
40	7 SAND	47.5	0.61	2.08	17	1.269	35	28.0	54.5

Estimated Groundwater Depth (Feet): 5


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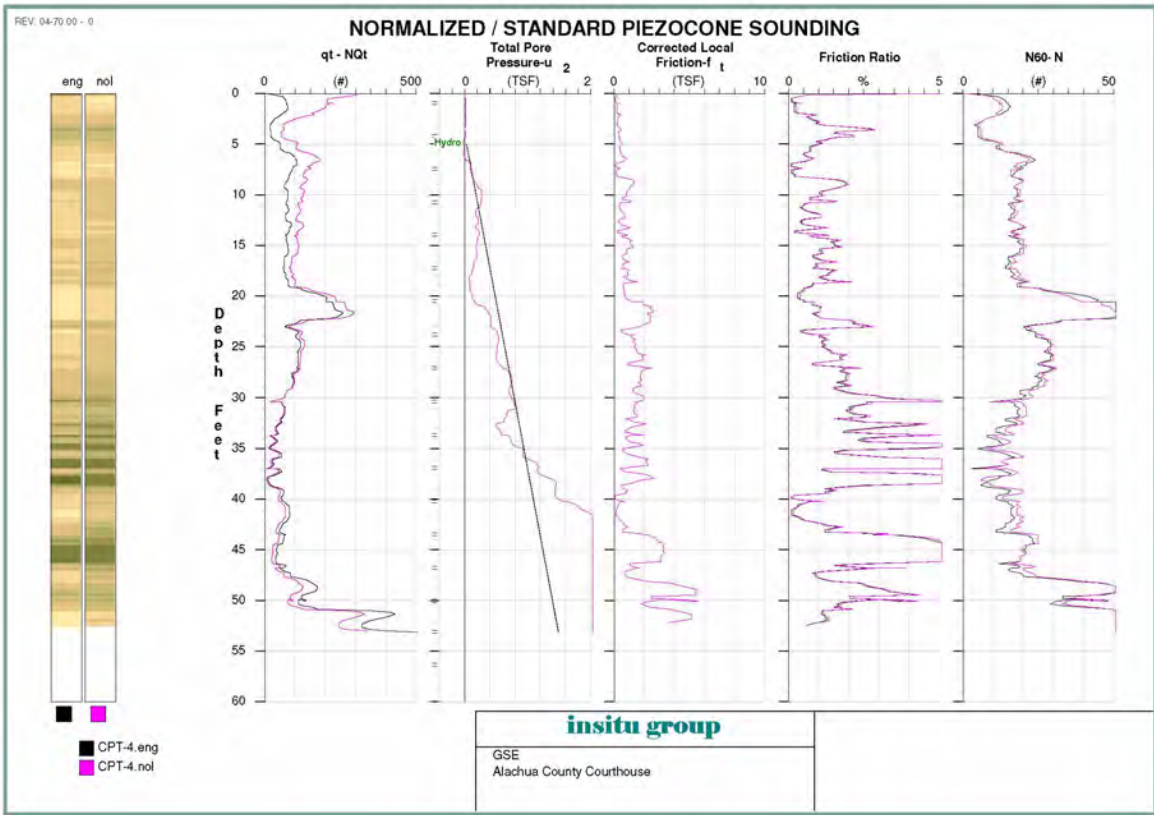
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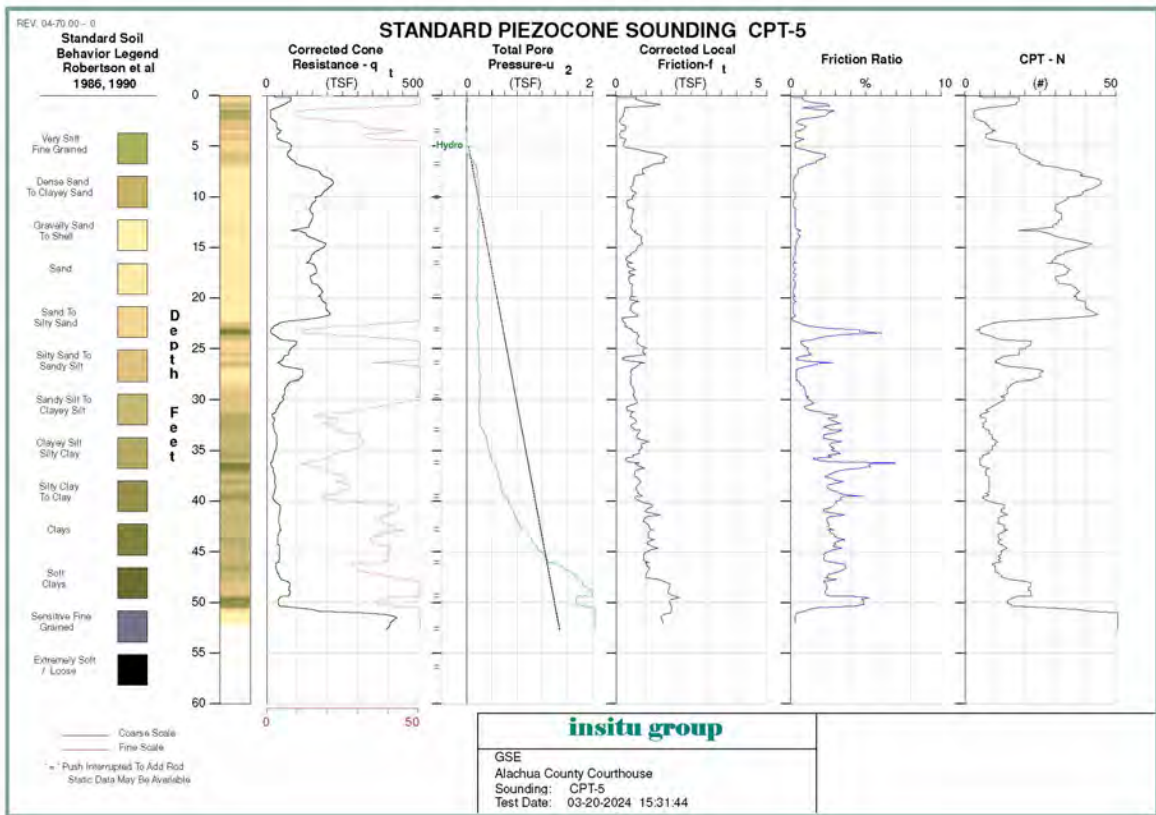
NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-4

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	NFriction Ratio Fr (%)	lc (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K0 (#)
41	7 SAND	66	0.2	1.73	18	1,200	43	29.8	437	1.1	---	---
42	7 SAND	56.6	0.63	1.99	18	1,317	40	28.9	515	1.1	---	---
43	5 SAND MIXTURES - CLAYEY SAND	37.1	1.9	2.42	16	1,345	30	27.2	736	---	---	---
44	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	44.1	4.48	2.61	28	1,377	35	28	1158	---	---	---
45	8 CLAYS - SILTY CLAY TO CLAY	24.8	9.15	3.01	20	1,409	---	---	---	2.54	1	---
46	3 CLAYS - SILTY CLAY TO CLAY	22.3	6.11	3	19	1,444	---	---	---	2.58	1	---
47	3 SAND MIXTURES - CLAYEY SAND	44.2	1.89	3.38	22	1,47	15	28	869	1.1	---	---
48	6 SAND MIXTURES - SILTY SAND	109.5	1.95	2.08	41	1,509	54	31.2	1590	1.1	---	---
49	8 SAND MIXTURES - SILTY SAND	107.1	3.54	2.28	31	1,588	55	31.2	1956	---	---	---
50	8 SAND MIXTURES - SILTY SAND	30.7	2.96	2.3	40	1,573	48	30.4	1544	---	---	---
51	7 SAND	225.9	1.81	1.74	74	1,608	60	34.4	1972	---	---	---
52	8 SAND TO CLEAN SAND	369.1	1.19	1.67	78	1,644	66	36.2	3089	---	---	---
53	----- END OF SOUNDING -----											



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STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al, 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. 1/ (TSF)	OCR
1	7 SILTY SAND TO SANDY SILT	45.6	0.45	13	0.058	90%-98%	3-43	109.1	---	---	---	---
2	5 CLAYEY SILT TO SILTY CLAY	11.7	0.21	3	0.109	---	---	---	0.7	5.8	0	3.6
3	7 SILTY SAND TO SANDY SILT	37.1	0.24	8	0.162	90%-98%	39-41	91.8	---	---	---	---
4	7 SILTY SAND TO SANDY SILT	36.4	0.21	8	0.215	90%-98%	37-39	80.1	---	---	---	---
5	9 SAND TO SILTY SAND	77.4	0.47	17	0.272	98%-99%	39-41	179.4	---	---	---	---
6	7 SILTY SAND TO SANDY SILT	75.3	1.59	21	0.302	98%-99%	39-41	165.8	---	---	---	---
7	8 SAND TO SILTY SAND	122.2	1.09	26	0.332	85%-85%	41-43	269	---	---	---	---
8	9 SAND	196	0.68	42	0.36	>85%	>43	491.2	---	---	---	---
9	9 SAND	205.9	0.52	42	0.388	>85%	>43	451.7	---	---	---	---
10	9 SAND	169.5	0.53	36	0.415	>85%	41-43	364.2	---	---	---	---
11	9 SAND	148.7	0.45	31	0.442	85%-85%	41-43	316.2	---	---	---	---
12	9 SAND	149.7	0.53	31	0.469	>85%	39-41	329.5	---	---	---	---
13	9 SAND	119.8	0.55	25	0.496	88%-85%	39-41	250.4	---	---	---	---
14	9 SAND	155.4	0.93	54	0.525	65%-85%	39-41	341.8	---	---	---	---
15	9 SAND	176.4	0.68	38	0.554	65%-85%	39-41	368.5	---	---	---	---
16	9 SAND	141.8	0.99	30	0.58	65%-85%	39-41	312.3	---	---	---	---
17	9 SAND	153.2	0.45	32	0.607	65%-85%	39-41	337.1	---	---	---	---
18	9 SAND	144.9	0.48	31	0.633	65%-85%	39-41	318.8	---	---	---	---
19	9 SAND	178.2	0.53	37	0.661	63%-85%	39-41	385.5	---	---	---	---
20	9 SAND	176.5	0.55	38	0.688	65%-85%	39-41	388.9	---	---	---	---
21	9 SAND	197.4	0.51	42	0.716	>85%	39-41	434.4	---	---	---	---
22	9 SAND	115.8	0.89	24	0.741	58%-85%	37-39	254.7	---	---	---	---
23	4 SILTY CLAY w/ CLAY	14.6	0.5	5	0.766	---	---	---	9.8	8.8	0	5
24	7 SILTY SAND TO SANDY SILT	61.2	0.71	15	0.792	42%-50%	35-36	134.8	---	---	---	---
25	8 SAND TO SILTY SAND	77.4	0.9	19	0.821	60%-58%	35-37	170.3	---	---	---	---
26	7 SILTY SAND TO SANDY SILT	44.7	0.58	11	0.847	35-42%	31-53	98.9	---	---	---	---
27	8 SAND TO SILTY SAND	99.2	0.55	22	0.875	50%-58%	35-37	218.2	---	---	---	---
28	8 SAND TO SILTY SAND	95	0.48	21	0.901	50%-58%	35-37	209.1	---	---	---	---
29	9 SAND TO SILTY SAND	58.6	0.57	14	0.928	42%-50%	33-35	129	---	---	---	---
30	7 SILTY SAND TO SANDY SILT	49.1	0.64	12	0.954	35-42%	31-33	108.1	---	---	---	---
31	7 SILTY SAND TO SANDY SILT	30	0.42	8	0.979	35-42%	29-31	86.1	---	---	---	---
32	5 CLAYEY SILT TO SILTY CLAY	26.5	0.6	7	1.004	---	---	---	1.2	3.4	0	4
33	5 CLAYEY SILT TO SILTY CLAY	24.3	0.68	8	1.031	---	---	---	1.8	3.8	0	4
34	6 SANDY SILT TO CLAYEY SILT	31.4	0.88	10	1.057	35-42%	29-31	89.2	---	---	---	---
35	5 CLAYEY SILT TO SILTY CLAY	25.9	0.74	8	1.084	---	---	---	1.5	3.4	0	4
36	4 SILTY CLAY w/ CLAY	14.4	0.54	5	1.109	---	---	---	1.8	2.6	0	3
37	5 CLAYEY SILT TO SILTY CLAY	20.9	0.69	7	1.135	---	---	---	1.2	3	0	4
38	5 CLAYEY SILT TO SILTY CLAY	25.7	0.76	8	1.161	---	---	---	1.5	3.2	0	4
39	5 CLAYEY SILT TO SILTY CLAY	23.9	0.72	8	1.187	---	---	---	1.4	3.3	0	4
40	9 CLAYEY SILT TO SILTY CLAY	24.8	0.8	8	1.214	---	---	---	1.5	3.1	0	4

Estimated Groundwater Depth (Feet): 5


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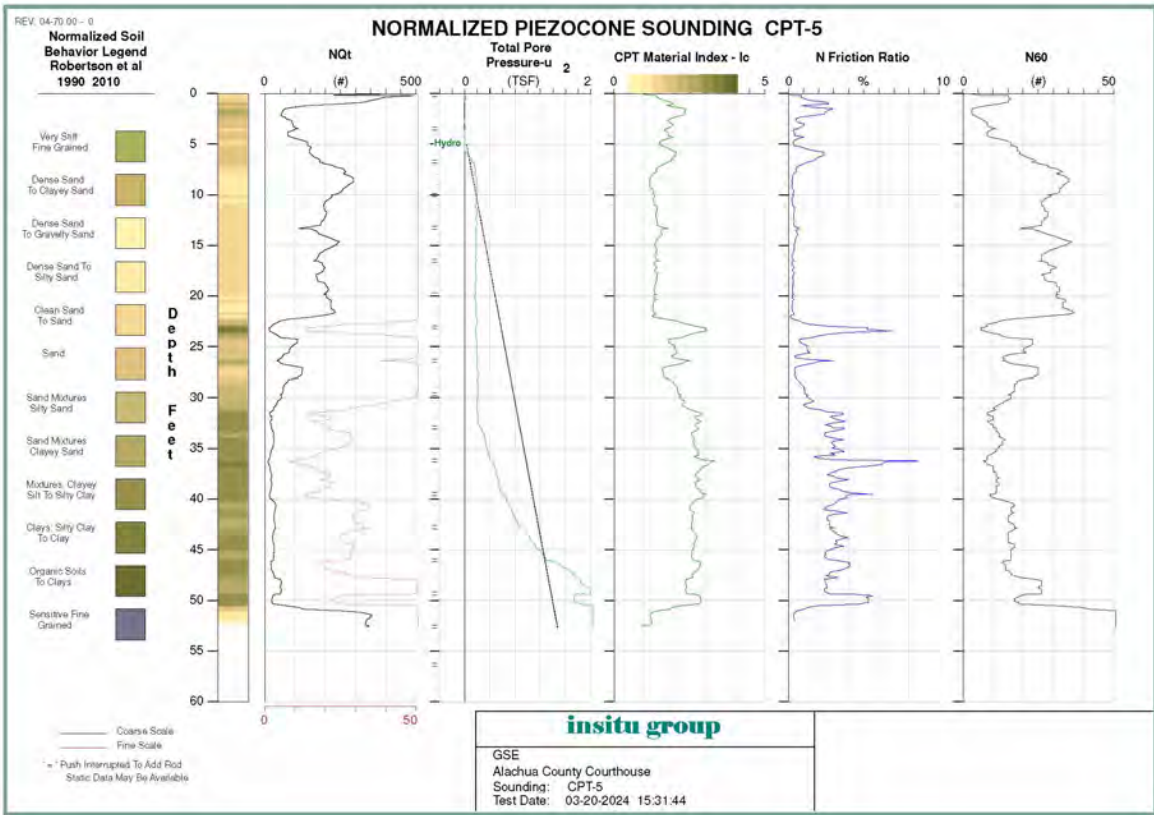
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STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al, 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. 1/ (TSF)	OCR
41	6 SANDY SILT TO CLAYEY SILT	418	1.12	13	1.243	35.42%	29.31	92	---	---	---	---
42	6 SANDY SILT TO CLAYEY SILT	38.7	0.96	12	1.27	35.42%	29.41	95.1	---	---	---	---
43	6 SANDY SILT TO CLAYEY SILT	40.7	1.12	13	1.299	35.42%	29.31	92.5	---	---	---	---
44	6 SANDY SILT TO CLAYEY SILT	36	1.12	12	1.326	35.42%	29.31	79.8	---	---	---	---
45	6 SANDY SILT TO CLAYEY SILT	39.9	0.99	12	1.355	35.42%	29.31	97.9	---	---	---	---
46	6 SANDY SILT TO CLAYEY SILT	35.9	1.01	11	1.383	35.42%	27.29	74.7	---	---	---	---
47	6 SANDY SILT TO CLAYEY SILT	34.7	1.02	11	1.411	35.42%	27.29	75.4	---	---	---	---
48	6 SANDY SILT TO CLAYEY SILT	67.4	1.88	20	1.442	35.42%	31.33	148.4	---	---	---	---
49	6 SANDY SILT TO CLAYEY SILT	63.4	1.92	21	1.472	35.42%	31.33	152.7	---	---	---	---
50	3 SILTY CLAY to CLAY	37.9	1.3	19	1.503	---	---	---	---	---	---	---
51	3 SAND	998.9	1.74	69	1.535	>65%	37.53	825.7	---	---	---	---
52	10 GRAVELLY SAND TO SAND	410.2	1.54	68	1.568	>65%	39.41	902.5	---	---	---	---
----- END OF SOUNDING -----												



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NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-5

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	NFriction Ratio Fr (%)	lc (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K0 (#)
1	7 SAND	237.0	1.71	1.01	12	0.058	52	34.4	352	..	..	..
2	8 SAND MIXTURES - SILTY SAND	58	1.8	2.25	4	0.109	40	28.9	144	..	..	..
3	7 SAND	69	0.64	1.79	9	0.162	55	31.2	258	..	..	..
4	7 SAND	84.4	0.58	1.82	9	0.215	49	30.4	260	..	..	..
5	8 SAND TO CLEAN SAND	144.2	0.6	1.94	17	0.272	64	32.8	442	..	..	..
6	7 SAND	197.5	2.11	2	21	0.302	67	32.9	679	..	..	..
7	8 SAND TO CLEAN SAND	206.5	0.88	1.64	26	0.332	76	34.4	688	..	..	..
8	9 DENSE SILTY SAND TO SAND	274.1	0.33	1.26	39	0.36	88	35.2	692	..	..	..
9	9 DENSE SILTY SAND TO SAND	275.3	0.25	1.2	32	0.388	88	35.2	672	..	..	..
10	8 SAND TO CLEAN SAND	225.4	0.32	1.33	29	0.415	80	34.4	639	..	..	..
11	8 SAND TO CLEAN SAND	164.1	0.31	1.87	26	0.442	74	33.6	592	..	..	..
12	8 SAND TO CLEAN SAND	198.9	0.25	1.99	28	0.468	75	33.6	622	..	..	..
13	8 SAND TO CLEAN SAND	154.6	0.48	1.56	22	0.496	66	32.8	585	..	..	..
14	8 SAND TO CLEAN SAND	202.4	0.59	1.49	31	0.525	76	33.6	752	..	..	..
15	8 SAND TO CLEAN SAND	218.8	0.58	1.38	32	0.554	79	34.4	724	..	..	..
16	8 SAND TO CLEAN SAND	172.9	0.27	1.39	26	0.58	70	33.8	588	..	..	..
17	8 SAND TO CLEAN SAND	163.1	0.28	1.38	26	0.607	72	33.6	627	..	..	..
18	8 SAND TO CLEAN SAND	171.4	0.31	1.42	27	0.633	69	33.6	674	..	..	..
19	8 SAND TO CLEAN SAND	201.5	0.3	1.35	31	0.661	75	33.6	681	..	..	..
20	8 SAND TO CLEAN SAND	200.1	0.31	1.36	32	0.688	75	33.6	704	..	..	..
21	9 DENSE SILTY SAND TO SAND	218	0.25	1.26	34	0.716	78	34.4	712	..	..	..
22	8 SAND TO CLEAN SAND	190.3	0.29	1.51	28	0.741	80	32	558	..	..	..
23	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	17.2	0.76	2.85	7	0.766	22	24.8	958	..	..	..
24	8 SAND MIXTURES - SILTY SAND	69.4	1.18	2.07	18	0.792	44	29.6	591	..	..	..
25	7 SAND	85.5	1.18	2	21	0.821	49	30.4	687	..	..	..
26	8 SAND MIXTURES - SILTY SAND	48.4	1.31	2.23	14	0.847	37	28.8	522	..	..	..
27	7 SAND	109.7	0.59	1.74	23	0.875	54	31.2	655	..	..	..
28	7 SAND	37.6	0.51	1.74	22	0.901	52	31.2	607	..	..	..
29	8 SAND MIXTURES - SILTY SAND	59.4	1.01	2.09	17	0.928	41	29.6	577	..	..	..
30	8 SAND MIXTURES - SILTY SAND	48.7	1.34	2.23	16	0.954	37	29.6	579	..	..	..
31	5 SAND MIXTURES - CLAYEY SAND	28.6	1.48	2.44	11	0.979	28	26.4	446	..	..	..
32	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	18.6	0.2	2.79	5	1.004	23	24.8	459	..	..	..
33	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	21.8	2.88	2.71	11	1.081	24	25.6	488	..	..	..
34	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	27.8	2.98	2.83	13	1.057	28	26.4	532	..	..	..
35	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	21.5	3.17	2.74	11	1.084	24	25.6	557	..	..	..
36	8 CLAYS - SILTY CLAY TO CLAY	11.1	4.38	3.05	8	1.108	..	..	..	0.88	1.0	..
37	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	16.6	3.65	2.86	10	1.135	21	24.8	506	..	..	..
38	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	20.3	3.22	2.76	11	1.161	24	24.8	556	..	..	..
39	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	18.3	3.31	2.8	11	1.187	22	24.8	541
40	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	18.6	3.54	2.82	12	1.214	23	24.8	578

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Test Date: 03-20-2024 15:31:44

Estimated Groundwater Depth (Feet) %

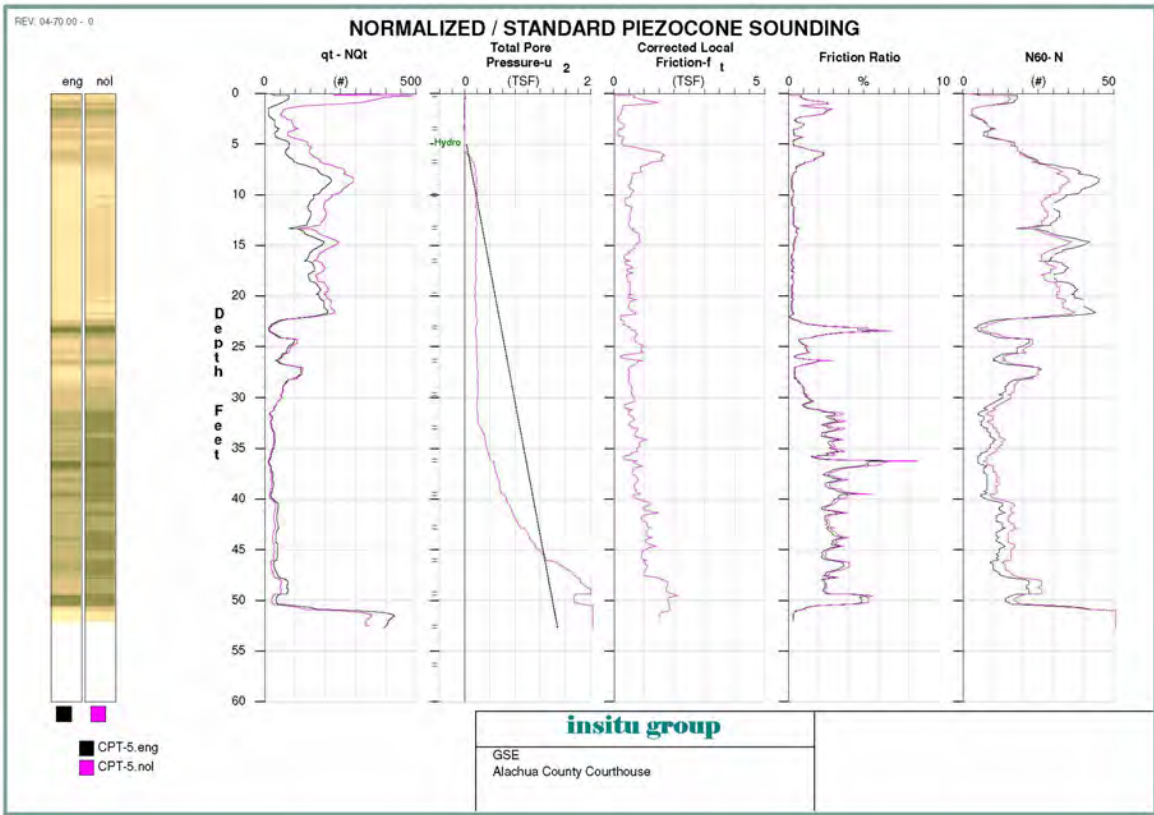
REV: 04/20/09 - 0

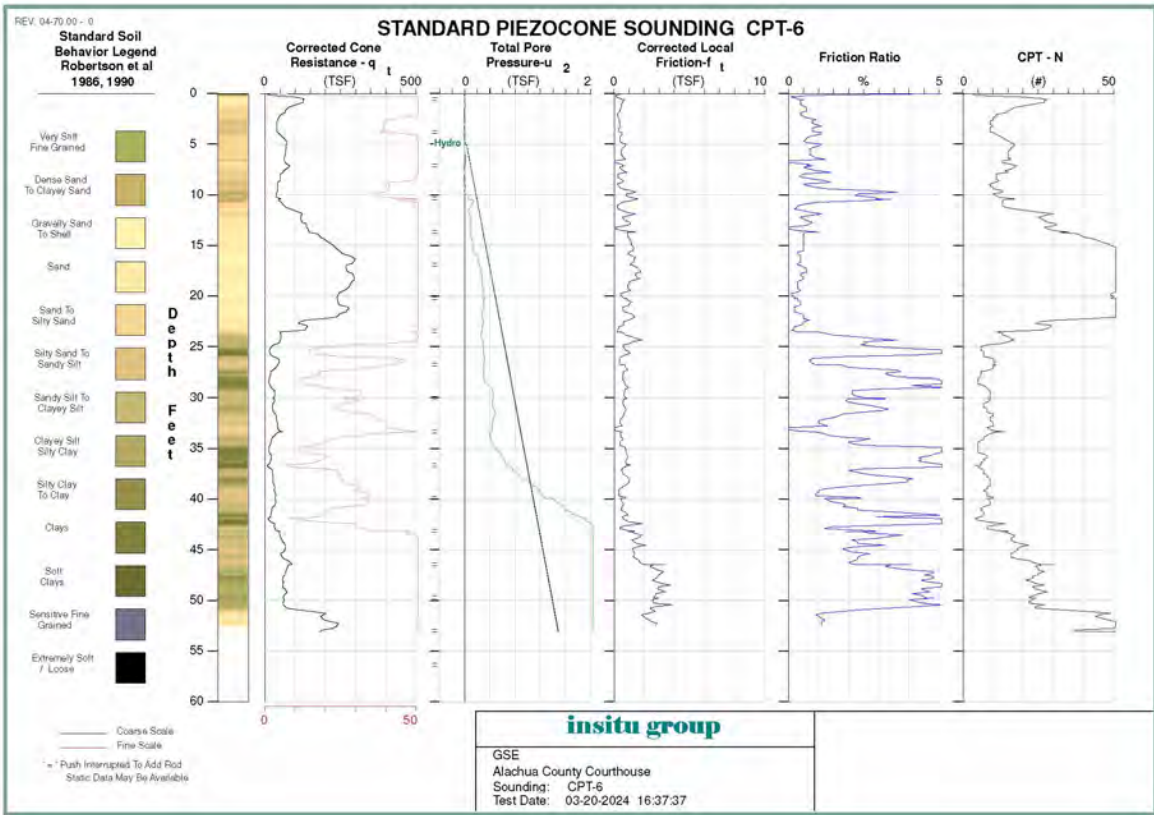
NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-5

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	Friction Ratio F _r (%)	f _c (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K ₀ (#)
41	3 SAND MIXTURES - CLAYEY SAND	32.4	2.85	2.57	17	1.243	30	27.2	739	---	---	---
42	5 SAND MIXTURES - CLAYEY SAND	28.1	2.84	2.59	16	1.27	28	26.4	682	---	---	---
43	5 SAND MIXTURES - CLAYEY SAND	30	2.92	2.6	16	1.299	29	26.4	759	---	---	---
44	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	25.8	3.30	2.89	18	1.328	27	26.8	727	---	---	---
45	5 SAND MIXTURES - CLAYEY SAND	29.2	2.65	2.6	16	1.355	29	26.4	791	---	---	---
46	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	22.9	3.22	2.72	18	1.383	25	26.6	709	---	---	---
47	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	23	3.18	2.72	18	1.411	25	23.6	721	---	---	---
48	5 SAND MIXTURES - CLAYEY SAND	47.3	2.58	2.42	24	1.442	26	23.9	695	---	---	---
49	5 SAND MIXTURES - CLAYEY SAND	47.7	2.73	2.48	25	1.472	26	28.8	1038	---	---	---
50	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	20.2	5.14	2.89	18	1.509	25	26.6	328	---	---	---
51	8 SAND TO CLEAN SAND	207.8	0.59	1.48	55	1.535	80	34.4	1538	---	---	---
52	9 DENSE SILTY SAND TO SAND	304.9	0.57	1.23	88	1.588	90	---	1888	---	---	---
53	----- END OF SOUNDING -----											



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STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al. 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. 1/ (TSF)	OCR
1	SAND	114.4	0.52	25	0.057	>85%	3-8	251.7	---	---	---	---
2	SAND TO SILTY SAND	55.4	0.28	12	0.112	58%-55%	41-43	121.8	---	---	---	---
3	SILTY SAND TO SANDY SILT	39.2	0.36	9	0.167	50%-58%	39-41	86.2	---	---	---	---
4	SILTY SAND TO SANDY SILT	44.6	0.42	11	0.222	50%-53%	39-41	98.6	---	---	---	---
5	SAND TO SILTY SAND	69.6	0.6	16	0.279	58%-65%	39-41	155.0	---	---	---	---
6	SAND TO SILTY SAND	65.7	0.52	15	0.305	50%-58%	39-41	144.6	---	---	---	---
7	SAND TO SILTY SAND	73.9	0.41	16	0.331	58%-65%	39-41	182.6	---	---	---	---
8	SAND TO SILTY SAND	51.9	0.41	12	0.356	50%-58%	37-39	114.3	---	---	---	---
9	SILTY SAND TO SANDY SILT	40.9	0.4	10	0.381	50%-58%	35-37	50.1	---	---	---	---
10	SANDY SILT TO CLAYEY SILT	42.6	1.26	14	0.41	50%-68%	35-37	92.7	---	---	---	---
11	SAND TO SILTY SAND	84	0.52	14	0.435	50%-58%	37-39	140.9	---	---	---	---
12	SAND TO SILTY SAND	117.6	0.88	27	0.463	58%-65%	39-41	256.7	---	---	---	---
13	SAND	134.6	0.64	25	0.492	65%-85%	39-41	296.3	---	---	---	---
14	SAND	165.6	1.04	37	0.521	65%-85%	39-41	364.9	---	---	---	---
15	SAND	223.7	1.2	50	0.559	>85%	41-43	492.1	---	---	---	---
16	SAND	277.1	1.19	69	0.583	>85%	41-43	609.6	---	---	---	---
17	SAND	269.8	1.32	59	0.615	>85%	41-43	599.5	---	---	---	---
18	SAND	292.2	1.45	64	0.646	>85%	41-43	649.9	---	---	---	---
19	GRAVELLY SAND TO SAND	274.5	0.97	59	0.676	>85%	41-43	602.4	---	---	---	---
20	SAND	238.8	0.86	50	0.704	>85%	41-43	525.4	---	---	---	---
21	GRAVELLY SAND TO SAND	261.8	0.79	55	0.734	>85%	41-43	576	---	---	---	---
22	SAND	210.7	1.17	47	0.764	>85%	39-41	469.5	---	---	---	---
23	SAND	129.5	0.41	29	0.791	59%-65%	37-39	285	---	---	---	---
24	SILTY SAND TO SANDY SILT	51.5	0.94	14	0.818	42%-50%	39-35	113.4	---	---	---	---
25	CLAYEY SILT TO SILTY CLAY	22.5	0.79	8	0.845	---	---	---	1.6	3.6	0	6
26	SILTY SAND TO SANDY SILT	16.1	0.46	5	0.87	35-42%	31-33	79.5	---	---	---	---
27	SANDY SILT TO CLAYEY SILT	34	0.89	10	0.897	35-42%	31-33	74.9	---	---	---	---
28	CLAYS	19.6	0.61	5	0.922	---	---	---	0.6	2.2	0	3
29	CLAYEY SILT TO SILTY CLAY	25	0.77	8	0.949	---	---	---	1.6	3.2	0	6
30	SANDY SILT TO CLAYEY SILT	29.1	0.67	9	0.975	35-42%	29-31	64	---	---	---	---
31	CLAYEY SILT TO SILTY CLAY	24.7	0.73	8	1	---	---	---	1.6	3.2	0	6
32	SILTY SAND TO SANDY SILT	37.4	0.49	5	1.029	35-42%	31-33	82.9	---	---	---	---
33	SAND TO SILTY SAND	47.9	0.5	11	1.05	35-42%	31-33	105.1	---	---	---	---
34	SANDY SILT TO CLAYEY SILT	24.1	0.48	7	1.074	35-42%	27-29	83	---	---	---	---
35	CLAYS	12.2	0.68	5	1.1	---	---	---	0.6	1.7	0	3
36	CLAYS	16.7	0.84	7	1.126	---	---	---	1.1	2.3	0	3
37	CLAYS	15	0.7	6	1.152	---	---	---	0.6	2.1	0	3
38	CLAYEY SILT TO SILTY CLAY	25.6	0.96	9	1.179	---	---	---	1.6	2.6	0	6
39	SILTY SAND TO SANDY SILT	31.3	0.98	8	1.204	35-42%	27-29	89.9	---	---	---	---
40	SANDY SILT TO CLAYEY SILT	81.8	0.61	3	1.229	35-42%	29-31	73.7	---	---	---	---

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Estimated Groundwater Depth (Feet): 5

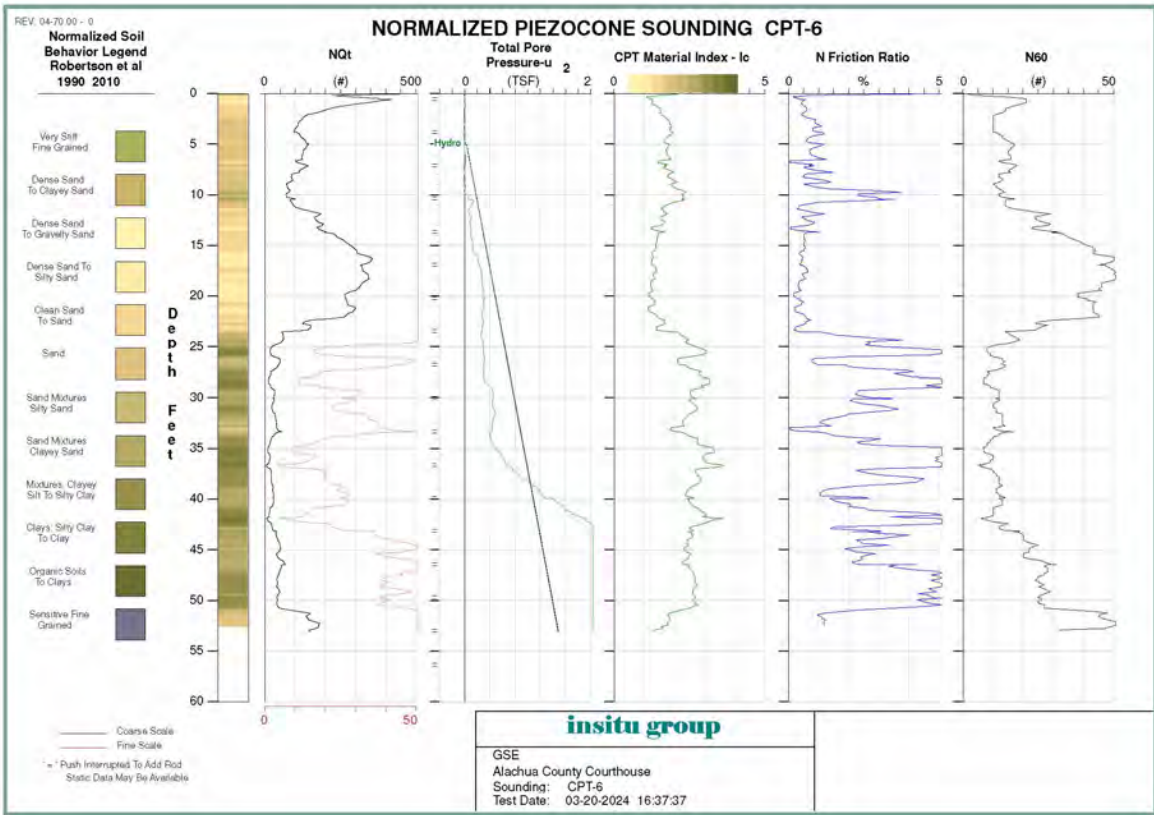
REV: 04/20/09 - 0

STANDARD SOIL BEHAVIOR TABLE

Depth (Feet)	Soil Behavior Type (Robertson et al, 1986, 1990)	Qt (TSF)	Corrected Local Friction Lt (TSF)	CPT N (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Undrained Shear Strength (TSF)	Sens.	Comp. I _v (TSF)	OCR
41	5. CLAYEY SILT TO SILTY CLAY	21.6	0.59	7	1.255	---	---	---	1.2	3.7	0	0
42	3. CLAYS	17.3	0.66	7	1.291	---	---	---	1.0	1.8	0	0
43	8 SANDY SILT TO CLAYEY SILT	41	0.99	13	1.309	35-42%	29-31	60.2	---	---	---	---
44	6 SANDY SILT TO CLAYEY SILT	56.1	1.46	17	1.398	35-42%	31-33	123.4	---	---	---	---
45	7 SILTY SAND TO SANDY SILT	61.9	1.34	18	1.368	35-42%	31-33	106.5	---	---	---	---
46	6 SANDY SILT TO CLAYEY SILT	76.4	2.02	23	1.4	42%-50%	33-35	188.1	---	---	---	---
47	6 CLAYEY SILT TO SILTY CLAY	69.4	2.02	26	1.432	---	---	---	0.9	2.0	0	0
48	12 DENSE SAND TO CLAYEY SAND	58.6	3	34	1.465	35-42%	31-33	128.9	---	---	---	---
49	5 CLAYEY SILT TO SILTY CLAY	68.5	3.05	36	1.497	---	---	---	1.0	2.2	0	0
50	1 SILTY CLAY to CLAY	99.8	3.62	39	1.53	---	---	---	1.7	2.1	0	0
51	8 SAND TO SILTY SAND	144.9	7.38	58	1.562	30%-50%	35-37	348.6	---	---	---	---
52	8 SAND	216.1	9.5	81	1.596	30%-45%	33-36	479.4	---	---	---	---
53	----- END OF SOUNDING -----	204.4										

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NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-6

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	NFriction Ratio Fr (%)	lc (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K0 (#)
1	8 DENSE SILTY SAND TO SAND	319.2	0.45	1.3	20	0.057	34	36	425	..	..	..
2	8 SAND TO CLEAN SAND	152	0.52	1.58	12	0.112	45	32.8	297	..	..	..
3	7 SAND	107.4	0.62	1.96	10	0.167	55	31.2	255	..	..	..
4	7 SAND	105.1	0.64	1.97	11	0.222	54	31.2	241	..	..	..
5	7 SAND	136.9	0.88	1.76	16	0.279	62	32.8	462	..	..	..
6	7 SAND	122.7	0.79	1.77	15	0.305	59	32	447	..	..	..
7	8 SAND TO CLEAN SAND	126.3	0.55	1.67	16	0.331	60	32	437	..	..	..
8	7 SAND	92.7	0.79	1.97	13	0.356	51	31.2	395	..	..	..
9	7 SAND	73.8	0.98	2	11	0.381	45	30.4	365	..	..	..
10	8 SAND MIXTURES - SILTY SAND	31.2	2.59	2.9	14	0.41	48	30.4	355	..	..	..
11	7 SAND	37.6	0.5	1.74	15	0.436	52	31.2	412	..	..	..
12	8 SAND TO CLEAN SAND	169.5	0.75	1.65	26	0.469	69	33.6	678	..	..	..
13	8 SAND TO CLEAN SAND	160.7	0.47	1.5	27	0.492	71	33.6	742	..	..	..
14	8 SAND TO CLEAN SAND	217.4	0.63	1.52	33	0.521	76	34.4	811	..	..	..
15	8 SAND TO CLEAN SAND	278.3	0.53	1.39	41	0.553	89	35.2	939	..	..	..
16	8 DENSE SILTY SAND TO SAND	339.5	0.43	1.27	47	0.589	97	36	999	..	..	..
17	8 SAND TO CLEAN SAND	317.9	0.49	1.32	47	0.615	95	36	1026	..	..	..
18	9 DENSE SILTY SAND TO SAND	307	0.49	1.31	51	0.646	99	36	1099	..	..	..
19	9 DENSE SILTY SAND TO SAND	307.6	0.55	1.24	46	0.676	99	35.2	943	..	..	..
20	9 DENSE SILTY SAND TO SAND	263.6	0.27	1.23	40	0.704	86	35.2	819	..	..	..
21	9 DENSE SILTY SAND TO SAND	294.5	0.28	1.22	43	0.734	90	35.2	877	..	..	..
22	8 SAND TO CLEAN SAND	231.8	0.55	1.46	41	0.764	81	34.4	965	..	..	..
23	8 SAND TO CLEAN SAND	140.3	0.91	1.5	20	0.791	63	32.8	615	..	..	..
24	8 SAND MIXTURES - SILTY SAND	57.8	1.87	2.26	17	0.818	40	29.8	620	..	..	..
25	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	24.6	3.74	2.74	10	0.846	26	25.8	487	..	..	..
26	6 SAND MIXTURES - SILTY SAND	38.2	1.32	2.31	12	0.87	39	28	463	..	..	..
27	5 SAND MIXTURES - CLAYEY SAND	35.3	2.12	2.46	18	0.897	31	27.2	526	..	..	..
28	3 CLAYS - SILTY CLAY TO CLAY	13	5.08	3.04	7	0.922	..	..	..	0.65	..	..
29	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	24.4	3.3	2.71	11	0.949	26	25.8	517	..	..	..
30	5 SAND MIXTURES - CLAYEY SAND	27.8	2.44	2.58	19	0.975	28	26.4	515	..	..	..
31	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	23.9	3.17	2.72	11	1	29	25.8	517	..	..	..
32	5 SAND MIXTURES - CLAYEY SAND	34.6	1.37	2.35	16	1.026	31	27.2	571	..	..	..
33	6 SAND MIXTURES - SILTY SAND	44	0.65	2.09	14	1.05	35	28	668	..	..	..
34	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	20.7	2.21	2.66	10	1.074	24	25.8	462	..	..	..
35	8 CLAYS - SILTY CLAY TO CLAY	9.2	6.72	3.53	7	1.1	..	..	..	0.78	..	..
36	8 CLAYS - SILTY CLAY TO CLAY	14.7	5.01	2.99	10	1.126	..	..	..	1.19	..	..
37	3 CLAYS - SILTY CLAY TO CLAY	11	5.42	3.11	8	1.152	..	..	..	0.92	..	..
38	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	19.9	4.09	2.94	12	1.179	33	24.8	613	..	..	..
39	5 SAND MIXTURES - CLAYEY SAND	25.1	1.28	2.45	12	1.204	36	26.4	472	..	..	..
40	5 SAND MIXTURES - CLAYEY SAND	25.8	1.35	2.55	13	1.229	27	26.4	586

Estimated Groundwater Depth (Feet): 5


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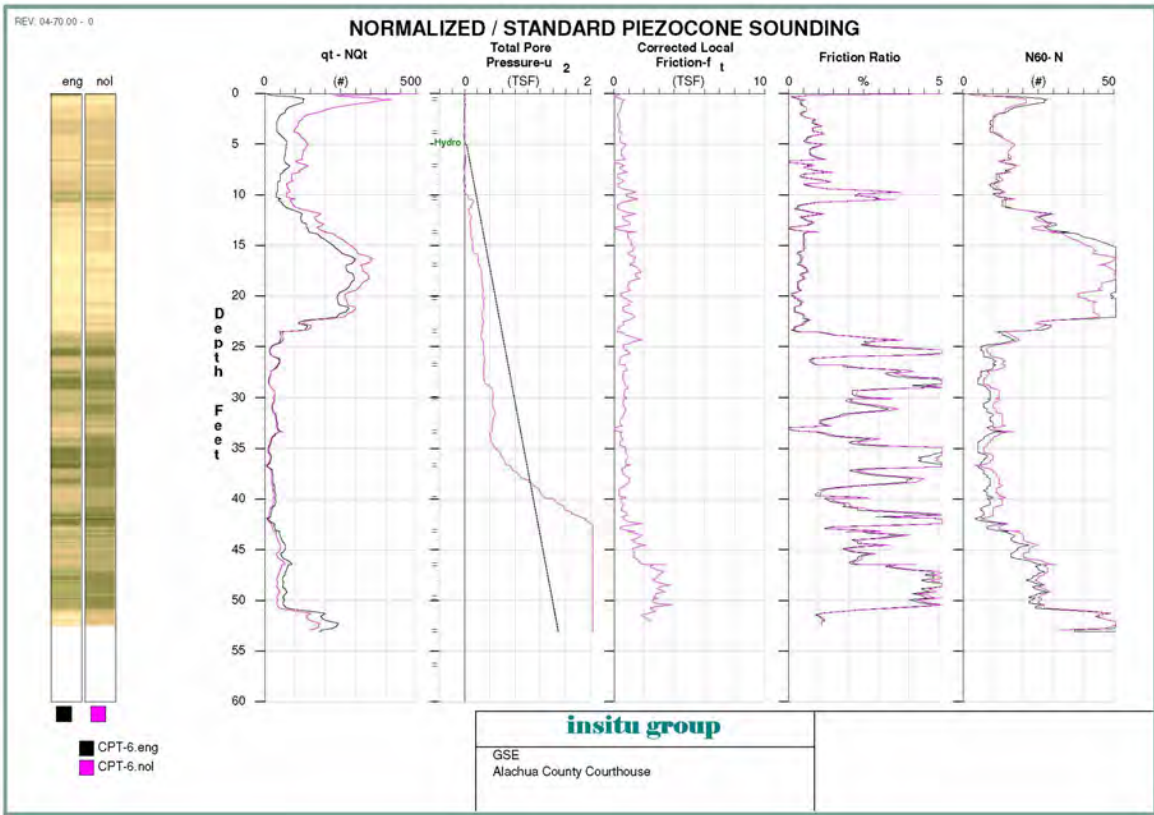
REV: 04/20/09 - 0

NORMALIZED SOIL BEHAVIOR TABLE - SOUNDING CPT-6

Depth (Feet)	Normalized Soil Behavior Type	Nqt (#)	NFriction Ratio Fr (%)	lc (#)	CPT N60 (#)	Vertical Effective Stress (TSF)	Relative Density (%)	Friction Angle (Degrees)	Youngs Modulus (TSF)	Su (TSF)	OCR (#)	K0 (#)
41	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	15.3	3.02	2.64	10	1.255	21	24	519	1.1	---	---
42	3 CLAYS - SILTY CLAY TO CLAY	11.3	3.42	3.15	10	1.281	---	---	---	1.960	1.0	---
43	5 SAND MIXTURES - CLAYEY SAND	30.2	2.41	2.55	16	1.909	39	28.4	999	---	---	---
44	5 SAND MIXTURES - CLAYEY SAND	41.5	2.72	2.48	21	1.388	34	28	889	---	---	---
45	5 SAND MIXTURES - CLAYEY SAND	45.5	2.25	2.99	22	1.858	30	28	879	---	---	---
46	5 SAND MIXTURES - CLAYEY SAND	35.5	2.73	2.79	27	1.4	39	29.9	1092	1.1	1.1	1.1
47	3 SAND MIXTURES - CLAYEY SAND	47.2	4.51	3.99	27	1.452	38	28.8	1153	1.1	---	---
48	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	98.7	5.37	2.71	35	1.465	39	30	1249	1.1	1.1	1.1
49	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	45	4.65	2.61	28	1.407	35	28	1281	---	---	---
50	4 SILT MIXTURES - CLAYEY SILT TO SILTY CLAY	37.9	4.95	2.99	26	1.53	32	27.2	1232	---	---	---
51	7 SAND	162.5	1.66	2.99	44	1.569	54	31.8	1556	---	---	---
52	7 SAND	157.2	1.17	1.81	32	1.888	67	32.8	1514	---	---	---
53	----- END OF SOUNDING -----											



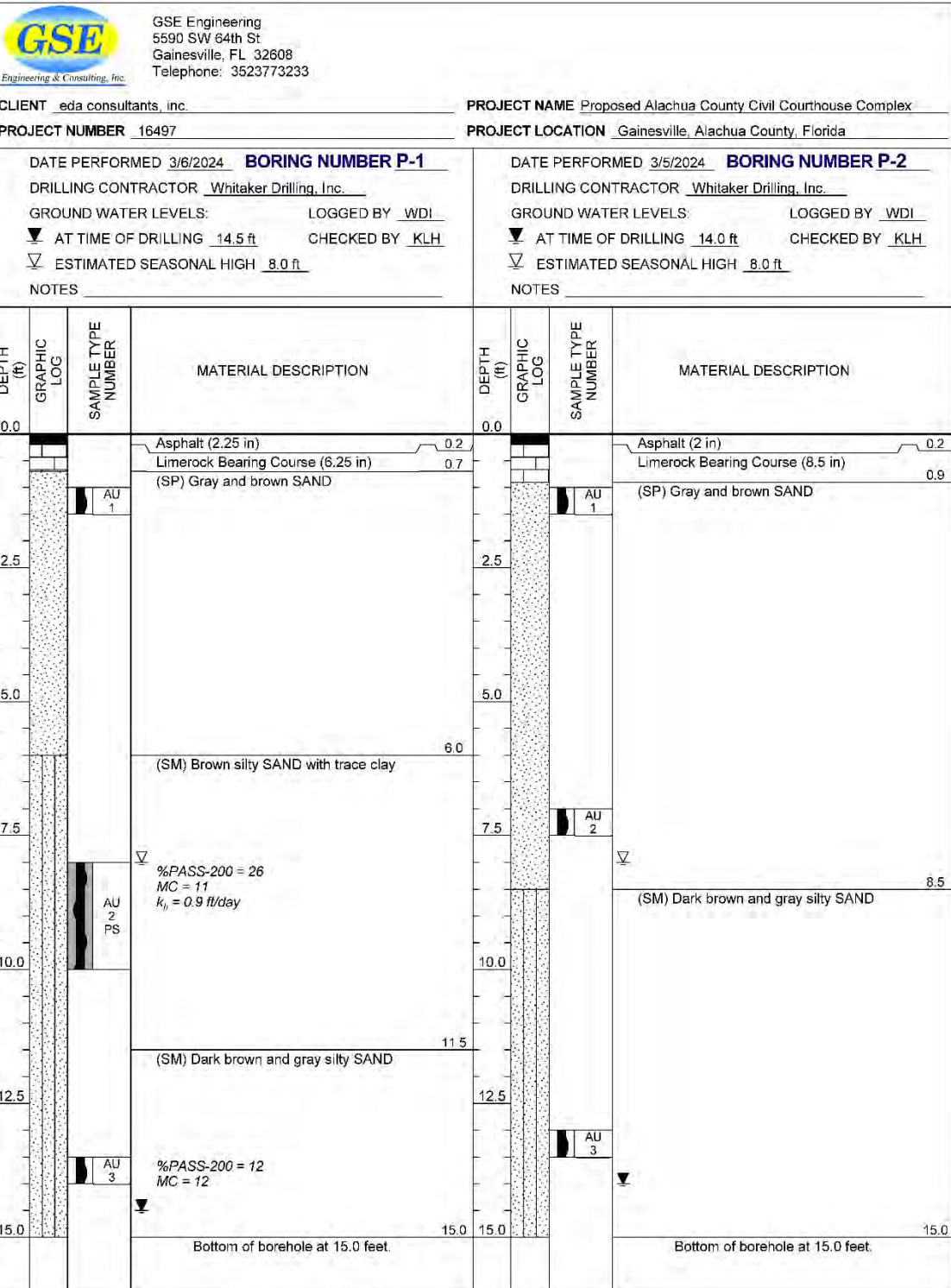
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 Alachua County Courthouse
 Sounding: CPT-6
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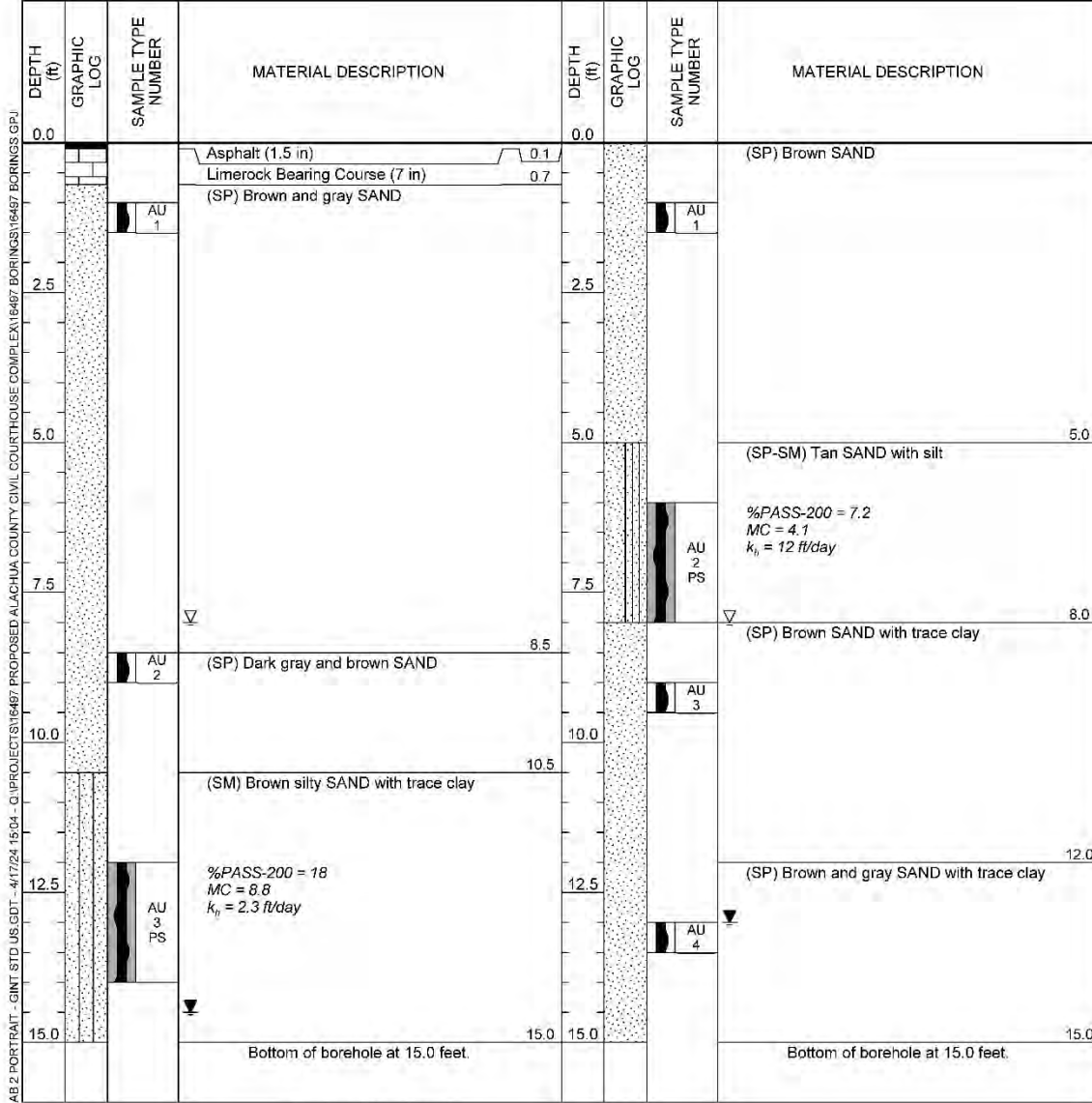
*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024


5.3 Auger Boring Logs



	GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233
CLIENT <u>eda consultants, inc.</u>	PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>
PROJECT NUMBER <u>16497</u>	PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>
DATE PERFORMED <u>3/5/2024</u> BORING NUMBER P-3 DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u> GROUND WATER LEVELS: _____ LOGGED BY <u>WDI</u> ▼ AT TIME OF DRILLING <u>14.5 ft</u> CHECKED BY <u>KLH</u> ▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u> NOTES _____	DATE PERFORMED <u>3/6/2024</u> BORING NUMBER P-4 DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u> GROUND WATER LEVELS: _____ LOGGED BY <u>WDI</u> ▼ AT TIME OF DRILLING <u>13.0 ft</u> CHECKED BY <u>KLH</u> ▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u> NOTES _____



(Continued Next Page)

		GSE Engineering 5590 SW 64th St Gainesville, FL 32608 Telephone: 3523773233						
CLIENT <u>eda consultants, inc.</u>		PROJECT NAME <u>Proposed Alachua County Civil Courthouse Complex</u>						
PROJECT NUMBER <u>16497</u>		PROJECT LOCATION <u>Gainesville, Alachua County, Florida</u>						
DATE PERFORMED <u>3/5/2024</u> BORING NUMBER P-5 DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u> GROUND WATER LEVELS: LOGGED BY <u>WDI</u> ▼ AT TIME OF DRILLING <u>12.0 ft</u> CHECKED BY <u>KLH</u> ▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u> NOTES _____		DATE PERFORMED <u>3/5/2024</u> BORING NUMBER P-6 DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u> GROUND WATER LEVELS: LOGGED BY <u>WDI</u> ▼ AT TIME OF DRILLING <u>11.3 ft</u> CHECKED BY <u>KLH</u> ▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u> NOTES _____						
AB 2 PORTRAIT - GINT STD, US GDT - 4/17/24 15:04 - C:\PROJECTS\16487 PROPOSED ALACHUA COUNTY CIVIL COURTHOUSE COMPLEX\16487 BORINGS GPJ	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
	0.0			(SP) Brown and gray SAND	0.0			(SP) Brown and gray SAND
	2.5		AU 1		2.5			
	5.0			(SP) Tan SAND	5.0		AU 2	(SP) Brown SAND
	7.5			▽ %PASS-200 = 3.5 MC = 2.9 $k_f = 26 \text{ ft/day}$	7.5		AU 3	(SM) Dark brown silty SAND
	10.0		AU 2 PS		10.0			
	12.5			(SM) Dark gray and brown silty SAND	11.0			▼
	12.5		AU 3		12.5		AU 4	
	15.0			Bottom of borehole at 15.0 feet.	15.0			Bottom of borehole at 15.0 feet.

(Continued Next Page)



GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DATE PERFORMED 3/5/2024 **BORING NUMBER P-7**
 DRILLING CONTRACTOR Whitaker Drilling, Inc.
 GROUND WATER LEVELS: LOGGED BY WDI
 ▼ AT TIME OF DRILLING 12.0 ft CHECKED BY KLH
 ▽ ESTIMATED SEASONAL HIGH 8.0 ft
 NOTES _____

DATE PERFORMED 3/5/2024 **BORING NUMBER P-8**
 DRILLING CONTRACTOR Whitaker Drilling, Inc.
 GROUND WATER LEVELS: LOGGED BY WDI
 ▼ AT TIME OF DRILLING 12.5 ft CHECKED BY KLH
 ▽ ESTIMATED SEASONAL HIGH 8.0 ft
 NOTES _____

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP) Brown and gray SAND	0.0			(SP) Brown SAND
2.5		AU 1		2.5		AU 1	
4.0			(SP) Brown SAND	4.0			
5.0		AU 2		5.0			
6.5				6.5			(SP-SM) Dark brown SAND with silt
7.0			(SP) Brown SAND with trace clay	7.0		AU 2 PS	%PASS-200 = 11 MC = 4.8 k _n = 0.6 ft/day
7.5		AU 3		7.5			
10.0				10.0			
11.0				11.0			(SP) Brown SAND with trace clay
12.5		AU 4		12.5		AU 3	
15.0			Bottom of borehole at 15.0 feet.	15.0			Bottom of borehole at 15.0 feet.

AB 2 PORTRAIT - GINT STD US GDT - 4/17/24 15:04 - C:\PROJECTS\16497 PROPOSED ALACHUA COUNTY CIVIL COURTHOUSE COMPLEX\16497 BORINGS\6497 BORINGS.GPJ

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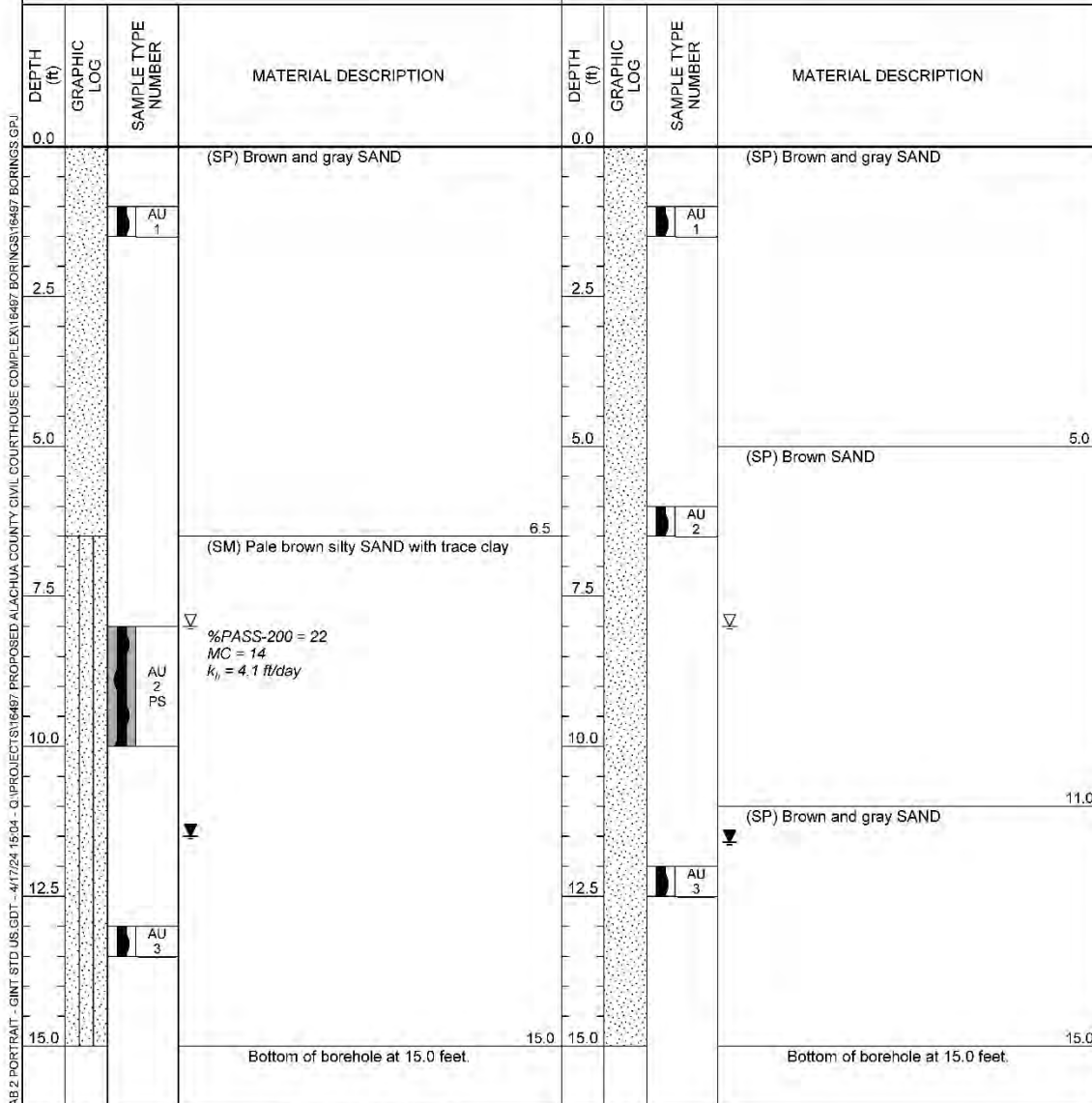


GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DATE PERFORMED 3/5/2024 **BORING NUMBER P-9**
 DRILLING CONTRACTOR Whitaker Drilling, Inc.
 GROUND WATER LEVELS: LOGGED BY WDI
 ▼ AT TIME OF DRILLING 11.5 ft CHECKED BY KLH
 ▽ ESTIMATED SEASONAL HIGH 8.0 ft
 NOTES _____

DATE PERFORMED 3/5/2024 **BORING NUMBER P-10**
 DRILLING CONTRACTOR Whitaker Drilling, Inc.
 GROUND WATER LEVELS: LOGGED BY WDI
 ▼ AT TIME OF DRILLING 11.6 ft CHECKED BY KLH
 ▽ ESTIMATED SEASONAL HIGH 8.0 ft
 NOTES _____



(Continued Next Page)

GSE Engineering & Consulting, Inc.
 GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

DATE PERFORMED 3/5/2024 **BORING NUMBER P-11**
 DRILLING CONTRACTOR Whitaker Drilling, Inc.
 GROUND WATER LEVELS: LOGGED BY WDI
 ▼ AT TIME OF DRILLING 12.0 ft CHECKED BY KLH
 ▽ ESTIMATED SEASONAL HIGH 8.0 ft
 NOTES _____

DATE PERFORMED 3/5/2024 **BORING NUMBER P-12**
 DRILLING CONTRACTOR Whitaker Drilling, Inc.
 GROUND WATER LEVELS: LOGGED BY WDI
 ▼ AT TIME OF DRILLING 12.0 ft CHECKED BY KLH
 ▽ ESTIMATED SEASONAL HIGH 8.0 ft
 NOTES _____

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP) Brown and gray SAND	0.0			(SP) Brown SAND
2.5		AU 1		2.5		AU 1	
5.0				5.0			
6.5			(SP-SM) Dark brown SAND with silt	6.5		AU 2 PS	(SP) Brown and gray SAND with silt %PASS-200 = 5.8 MC = 3.7 k _v = 17 ft/day
7.5				7.5			
10.0		AU 2 PS	%PASS-200 = 11 MC = 11 k _v = 2.3 ft/day	10.0			
12.0			(SP) Brown and gray SAND	12.0			(SM) Dark brown silty SAND
12.5		AU 3		12.5		AU 3	
15.0			Bottom of borehole at 15.0 feet.	15.0			Bottom of borehole at 15.0 feet.

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 GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

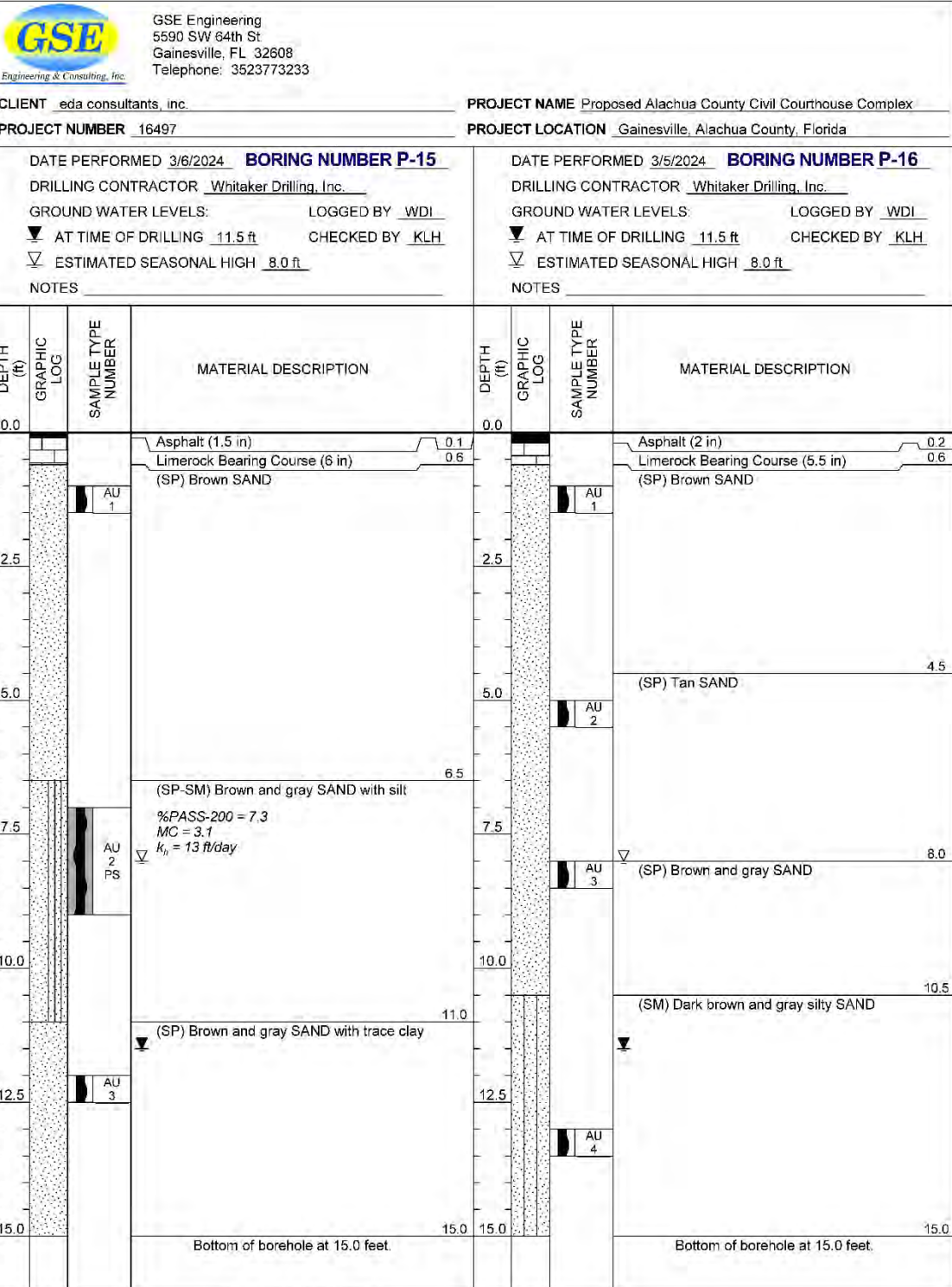
CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

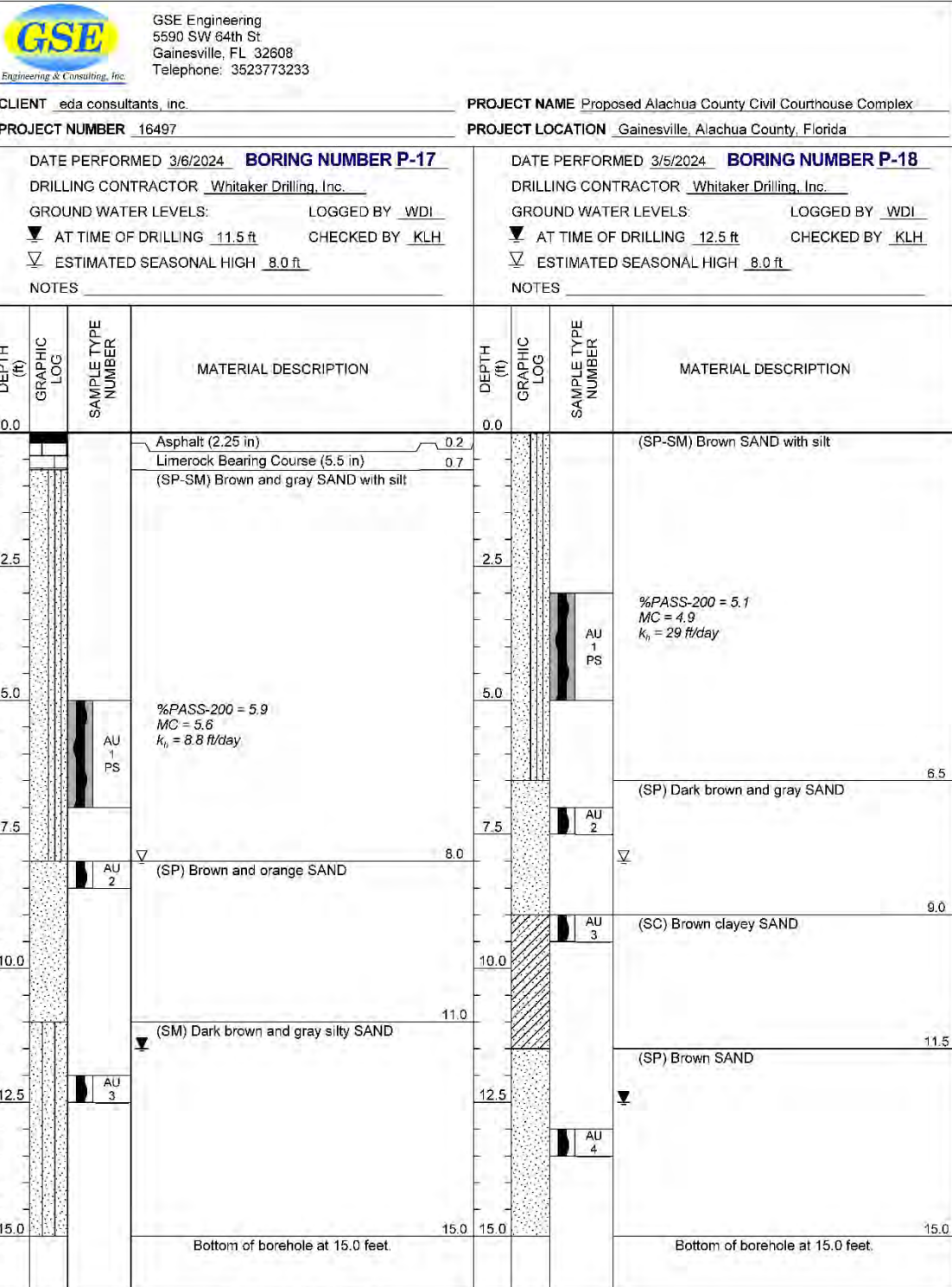
DATE PERFORMED <u>3/5/2024</u> BORING NUMBER P-13	DATE PERFORMED <u>3/5/2024</u> BORING NUMBER P-14
DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>	DRILLING CONTRACTOR <u>Whitaker Drilling, Inc.</u>
GROUND WATER LEVELS: LOGGED BY <u>WDI</u>	GROUND WATER LEVELS: LOGGED BY <u>WDI</u>
▼ AT TIME OF DRILLING <u>11.0 ft</u> CHECKED BY <u>KLH</u>	▼ AT TIME OF DRILLING <u>12.0 ft</u> CHECKED BY <u>KLH</u>
▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>	▽ ESTIMATED SEASONAL HIGH <u>8.0 ft</u>
NOTES _____	NOTES _____

DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			Asphalt (3 in) 0.3 Limerock Bearing Course (4 in) 0.6 (SP) Brown SAND	0.0			(SP) Gray and brown SAND
2.5		AU 1		2.5		AU 1	
5.0			(SP) Tan SAND	5.0			(SP) Tan SAND %PASS-200 = 3.5 MC = 2.8 k _v = 19 ft/day
7.5		AU 2		7.5		AU 2 PS	
8.5			(SM) Dark brown silty SAND %PASS-200 = 12 MC = 9.6 ORG = 1.3	8.5			(SP) Brown SAND
10.0		AU 3		10.0		AU 3	
12.5				12.5			(SP-SM) Dark brown and gray SAND with silt
15.0		AU 4		12.5		AU 4	%PASS-200 = 11 MC = 22 ORG = 1.3
15.0			Bottom of borehole at 15.0 feet.	15.0			Bottom of borehole at 15.0 feet.

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GSE Engineering & Consulting, Inc.
 GSE Engineering
 5590 SW 64th St
 Gainesville, FL 32608
 Telephone: 3523773233

CLIENT eda consultants, inc. PROJECT NAME Proposed Alachua County Civil Courthouse Complex
 PROJECT NUMBER 16497 PROJECT LOCATION Gainesville, Alachua County, Florida

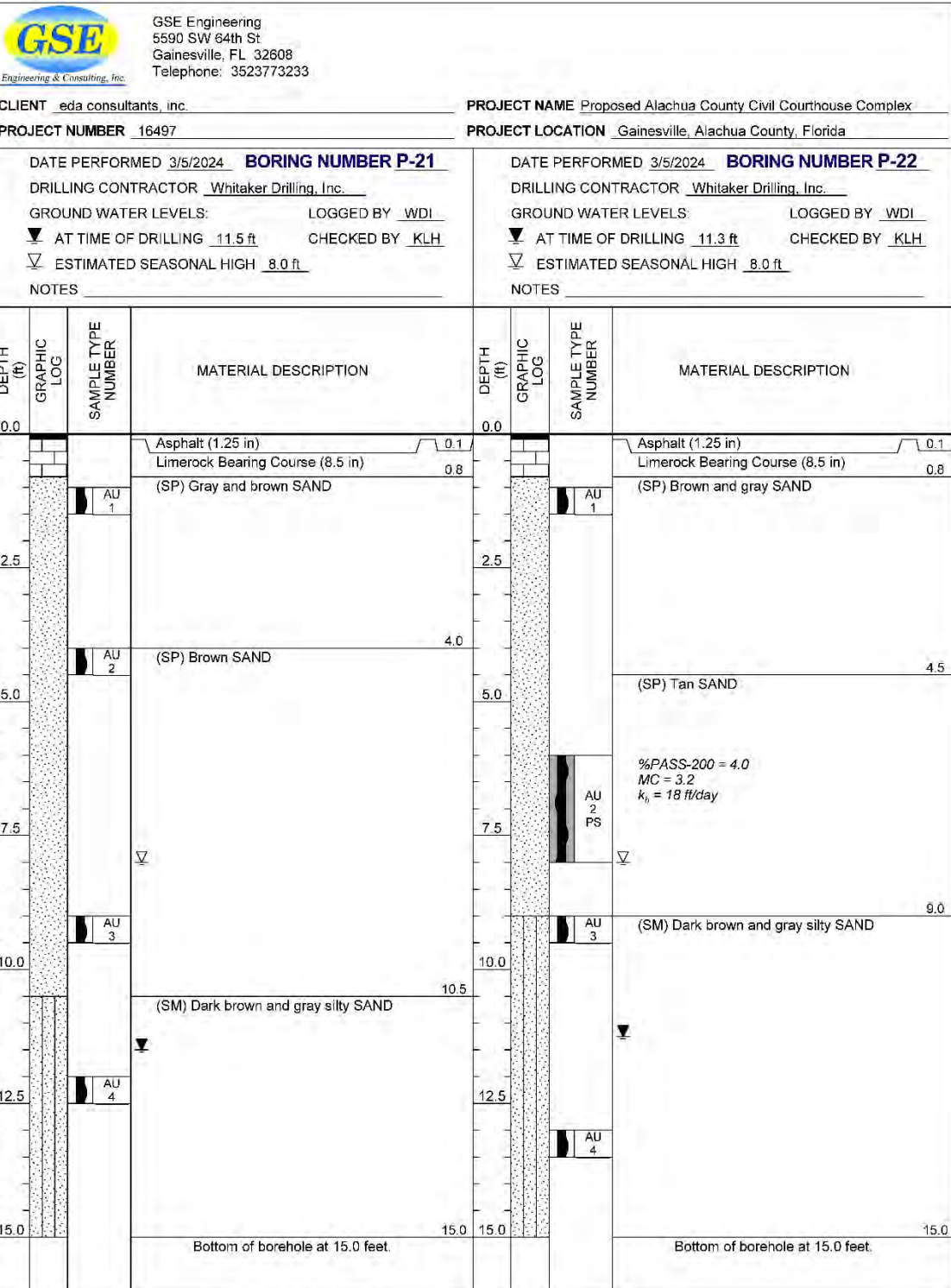
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 DRILLING CONTRACTOR Whitaker Drilling, Inc.
 GROUND WATER LEVELS: LOGGED BY WDI
 ▼ AT TIME OF DRILLING 12.0 ft CHECKED BY KLH
 ▽ ESTIMATED SEASONAL HIGH 8.0 ft
 NOTES _____

DATE PERFORMED 3/5/2024 **BORING NUMBER P-20**
 DRILLING CONTRACTOR Whitaker Drilling, Inc.
 GROUND WATER LEVELS: LOGGED BY WDI
 ▼ AT TIME OF DRILLING 11.3 ft CHECKED BY KLH
 ▽ ESTIMATED SEASONAL HIGH 8.0 ft
 NOTES _____

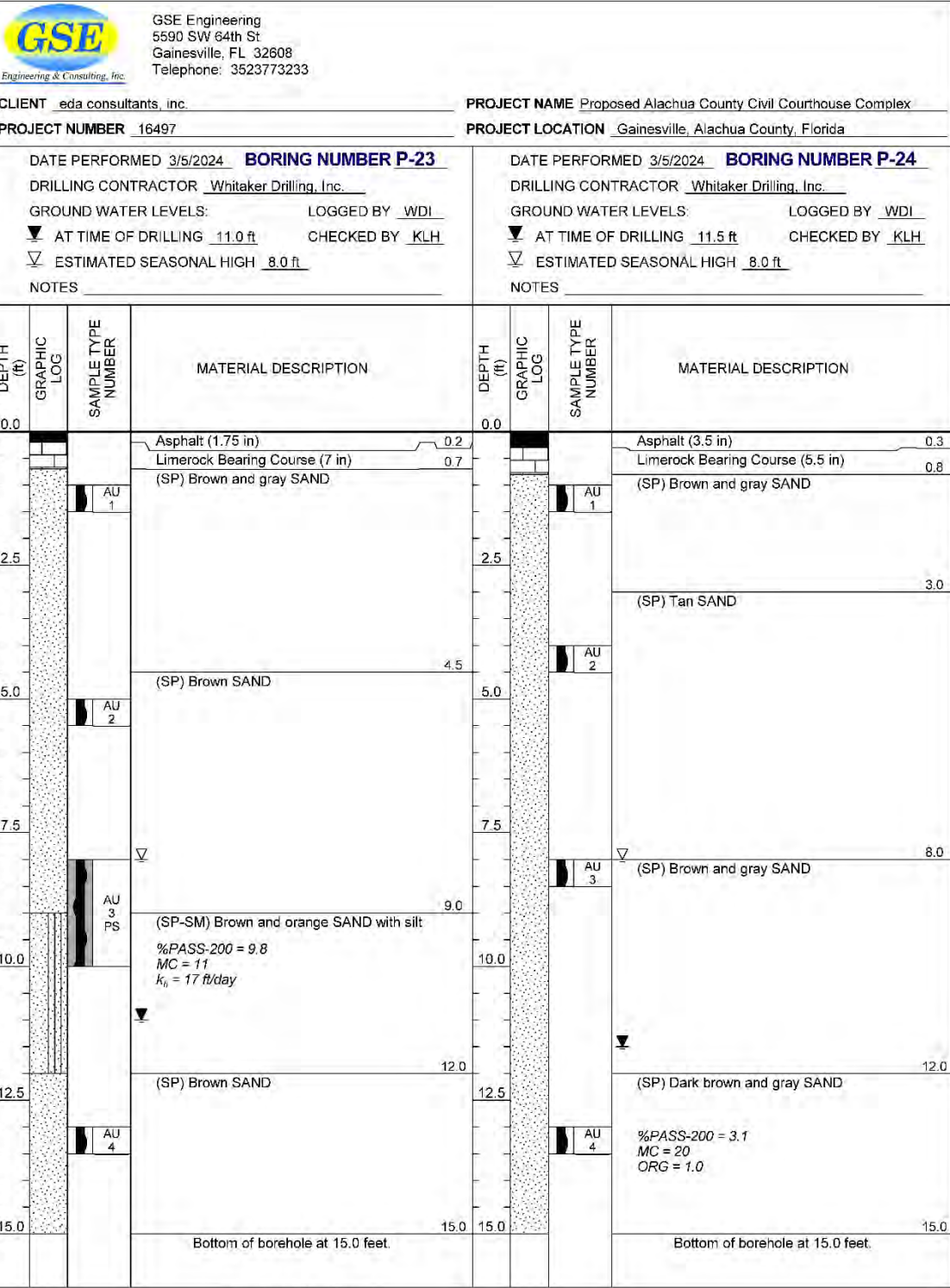
DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION	DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE NUMBER	MATERIAL DESCRIPTION
0.0			(SP) Gray and brown SAND with trace limestone	0.0			Asphalt (3 in) 0.3 Limerock Bearing Course (5 in) 0.7 (SP) Brown and gray SAND
2.5		AU 1		2.5		AU 1	
4.5			(SP-SM) Tan SAND with silt	4.5			
5.0				5.0			
7.5				7.5			
8.0			▽ %PASS-200 = 6.7 MC = 3.8 k _v = 9.7 ft/day	8.0			▽ (SP-SM) Dark brown and gray SAND with silt
10.0		AU 2 PS		10.0		AU 2 PS	%PASS-200 = 7.0 MC = 11 k _v = 19 ft/day
10.0		AU 3	(SP) Brown SAND with trace clay	10.0		AU 3	
12.5			▼	12.5			▼
13.0		AU 4	(SM) Dark brown and gray silty SAND	13.0		AU 3	
15.0			Bottom of borehole at 15.0 feet.	15.0			Bottom of borehole at 15.0 feet.

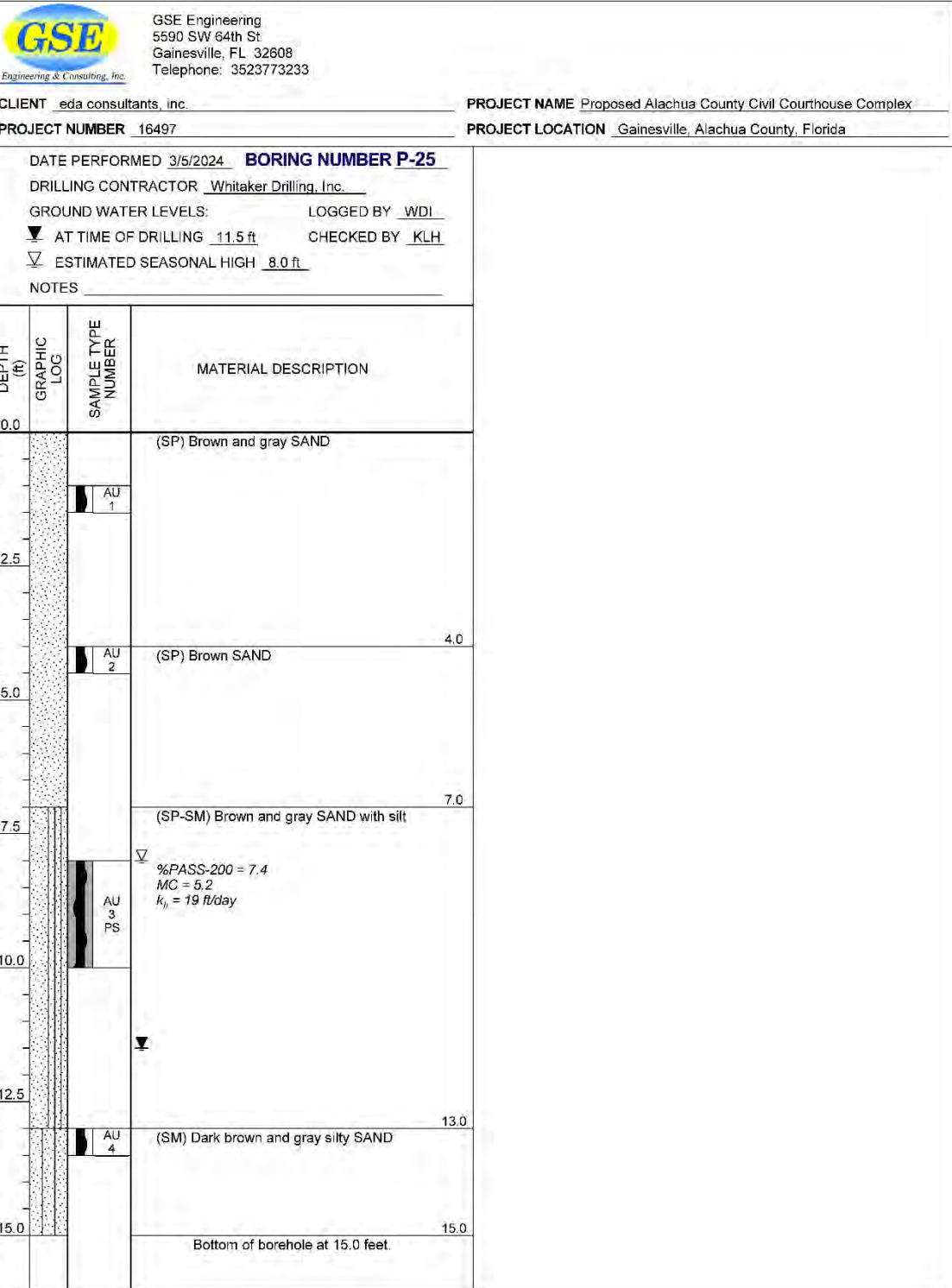
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*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

5.4 Laboratory Results



SUMMARY REPORT OF LABORATORY TEST RESULTS

Project Number: 16497

Project Name: Proposed Alachua County Civil Courthouse Complex

Boring Number	Depth (ft)	Soil Description	Natural Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	Percent Passing No. 200 Sieve	Organic Content (%)	Hydraulic Conductivity (ft/day)	Unified Soil Classification
B-2	23.5-25	Firm gray, green, and orange CLAY	44	105	31	74	87			CH
B-10	7-8.5	Loose to medium dense brown, gray, and orange clayey SAND	16				28			SC
B-15	33.5-35	Very loose to medium dense gray and green clayey SAND with trace clay and phosphate	51	42	17	25	28			SC
P-1	8-10	Brown silty SAND with trace clay	11				26		0.9	SM
P-1	13.5-14	Dark brown and gray silty SAND	12				12			SM
P-3	12-14	Brown silty SAND with trace clay	8.8				18		2.3	SM
P-4	6-8	Tan SAND with silt	4.1				7.2		12	SP-SM
P-5	8-10	Tan SAND	2.9				3.5		26	SP
P-8	6-8	Dark brown SAND with silt	4.8				11		0.6	SP-SM
P-9	8-10	Pale brown silty SAND with trace clay	14				22		4.1	SM
P-11	8-10	Dark brown SAND with silt	11				11		2.3	SP-SM
P-12	5-7	Brown and gray SAND with silt	3.7				5.8		17	SP-SM



SUMMARY REPORT OF LABORATORY TEST RESULTS

Project Number: 16497

Project Name: Proposed Alachua County Civil Courthouse Complex

Boring Number	Depth (ft)	Soil Description	Natural Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	Percent Passing No. 200 Sieve	Organic Content (%)	Hydraulic Conductivity (ft/day)	Unified Soil Classification
P-13	9-9.5	Dark brown silty SAND	9.6				12	1.3		SM
P-14	5-7	Tan SAND	2.8				3.5		19	SP
P-14	13-13.5	Dark brown and gray SAND with silt	22				11	1.3		SP-SM
P-15	7-9	Brown and gray SAND with silt	3.1				7.3		13	SP-SM
P-17	5-7	Brown and gray SAND with silt	5.6				5.9		8.8	SP-SM
P-18	3-5	Brown SAND with silt	4.9				5.1		29	SP-SM
P-19	8-10	Tan SAND with silt	3.8				6.7		9.7	SP-SM
P-20	9-11	Dark brown and gray SAND with silt	11				7.0		19	SP-SM
P-22	6-8	Tan SAND	3.2				4.0		18	SP
P-23	8-10	Brown and orange SAND with silt	11				9.8		17	SP-SM
P-24	13-13.5	Dark brown and gray SAND	20				3.1	1.0		SP
P-25	8-10	Brown and gray SAND with silt	5.2				7.4		19	SP-SM

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

5.5 Key to Soil Classification

KEY TO SOIL CLASSIFICATION CHART

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests				SYMBOLS		GROUP NAME		
				GRAPHIC	LETTER			
COARSE-GRAINED SOILS More than 50% retained on No. 200 sieve	Gravels More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels	$Cu \geq 4$ and $1 \leq Cc \leq 3$		GW	Well graded GRAVEL		
		Less than 5% fines	$Cu < 4$ and/or $1 > Cc > 3$		GP	Poorly graded GRAVEL		
		Gravels with fines	Fines classify as ML or MH		GM	Silty GRAVEL		
		More than 12% fines	Fines classify as CL or CH		GC	Clayey GRAVEL		
	Sands 50% or more of coarse fraction passes No. 4 sieve	Clean Sands	$Cu \geq 6$ and $1 \leq Cc \leq 3$		SW	Well graded SAND		
		Less than 5% fines	$Cu < 6$ and/or $1 > Cc > 3$		SP	Poorly graded SAND		
		Sand with fines	Fines classify as ML or MH		SP-SM	SAND with silt		
		5% ≤ fines < 12%	Fines classify as CL or CH		SP-SC	SAND with clay		
		Sand with fines	Fines classify as ML or MH		SM	Silty SAND		
		12% ≤ fines < 30%	Fines classify as CL or CH		SC	Clayey SAND		
		Sand with fines	Fines classify as ML or MH		SM	Very silty SAND		
		30% fines or more	Fines classify as CL or CH		SC	Very clayey SAND		
		FINE-GRAINED SOILS 50% or more passes the No. 200 sieve	Clays	inorganic	50% ≤ fines < 70%		CL/CH	Sandy CLAY
				70% ≤ fines < 85%		CL/CH	CLAY with sand	
fines ≥ 85%				CL/CH	CLAY			
Silt and Clays	inorganic		PI > 7 and plots on/above "A" line		CL	Lean CLAY		
	Liquid Limit less than 50		PI < 4 or plots below "A" line		ML	SILT		
	organic		Liquid Limit - oven dried < 0.75		OL	Organic clay		
	Liquid Limit - not dried			OL	Organic silt			
Silt and Clays	inorganic		PI plots on or above "A" line		CH	Fat CLAY		
	Liquid Limit 50 or more		PI plots below "A" line		MH	Elastic SILT		
	organic		Liquid Limit - oven dried < 0.75		OH	Organic clay		
	Liquid Limit - not dried		OH	Organic silt				
HIGHLY ORGANIC SOILS	Primarily organic matter, dark in color, and organic odor				PT	PEAT		

CORRELATION OF PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY

	No. OF BLOWS, N	RELATIVE DENSITY		No. OF BLOWS, N	CONSISTENCY
SANDS:	0 - 4	Very Loose		0 - 2	Very Soft
	5 - 10	Loose		3 - 4	Soft
	11 - 30	Medium dense	SILTS &	5 - 8	Firm
	31 - 50	Dense	CLAYS:	9 - 15	Stiff
	OVER 50	Very Dense		16 - 30	Very Stiff
			31 - 50	Hard	
			OVER 50	Very Hard	

LIMESTONE:	No. OF BLOWS, N	RELATIVE DENSITY
	0 - 8	Very Soft
	9 - 18	Soft
	19 - 32	Moderately Hard
	33 - 50	Hard
OVER 50	Very Hard	

SAMPLE GRAPHIC TYPE LEGEND



Location of SPT Sample



Location of Auger Sample

PARTICLE SIZE IDENTIFICATION

BOULDERS:	Greater than 300 mm
COBBLES:	75 mm to 300 mm
GRAVEL:	Coarse - 19.0 mm to 75 mm
	Fine - 4.75 mm to 19.0 mm
SANDS:	Coarse - 2.00 mm to 4.75 mm
	Medium - 0.425 mm to 2.00 mm
	Fine - 0.075 mm to 0.425 mm
SILTS & CLAYS:	Less than 0.075 mm

LABORATORY TEST LEGEND

LL =	Liquid Limit, %
PL =	Plastic Limit, %
PI =	Plasticity Index, %
% PASS - 200 =	Percent Passing the No. 200 Sieve
MC =	Moisture Content, %
ORG =	Organic Content, %
k_h =	Horizontal Hydraulic Conductivity, ft/day

6.0 LIMITATIONS

6.1 Warranty

This report has been prepared for our client for their exclusive use, in accordance with generally accepted soil and foundation engineering practices, and makes no other warranty either expressed or implied as to the professional advice provided in the report.

6.2 SPT, CPT, and Auger Borings

The determination of soil type and conditions was performed from the ground surface to the maximum depth of the borings, only. Any changes in subsurface conditions that occur between or below the borings would not have been detected or reflected in this report.

Soil classifications that were made in the field are based upon identifiable textural changes, color changes, changes in composition or changes in resistance to penetration in the intervals from which the samples were collected. Abrupt changes in soil type, as reflected in boring logs and/or cross sections may not actually occur, but instead, be transitional.

Depth to the water table is based upon observations made during the performance of the auger and SPT borings; and the CPT soundings. This depth is an estimate and does not reflect the annual variations that would be expected in this area due to fluctuations in rainfall and rates of evapotranspiration.

6.3 Site Figures

The measurements used for the preparation of the figures in this report were made using the provided site plan and by estimating distances from existing structures and site features. Figures in this report were not prepared by a licensed land surveyor and should not be interpreted as such.

6.4 Unanticipated Soil Conditions

The analysis and recommendations submitted in this report are based upon the data obtained from soil borings performed at the locations indicated on Figure 2. This report does not reflect any variations that may occur between these borings.

The nature and extent of variations between borings may not become known until excavation begins. If variations appear, we may have to re-evaluate our recommendations after performing on-site observations and noting the characteristics of any variations.

6.5 Misinterpretation of Soil Engineering Report

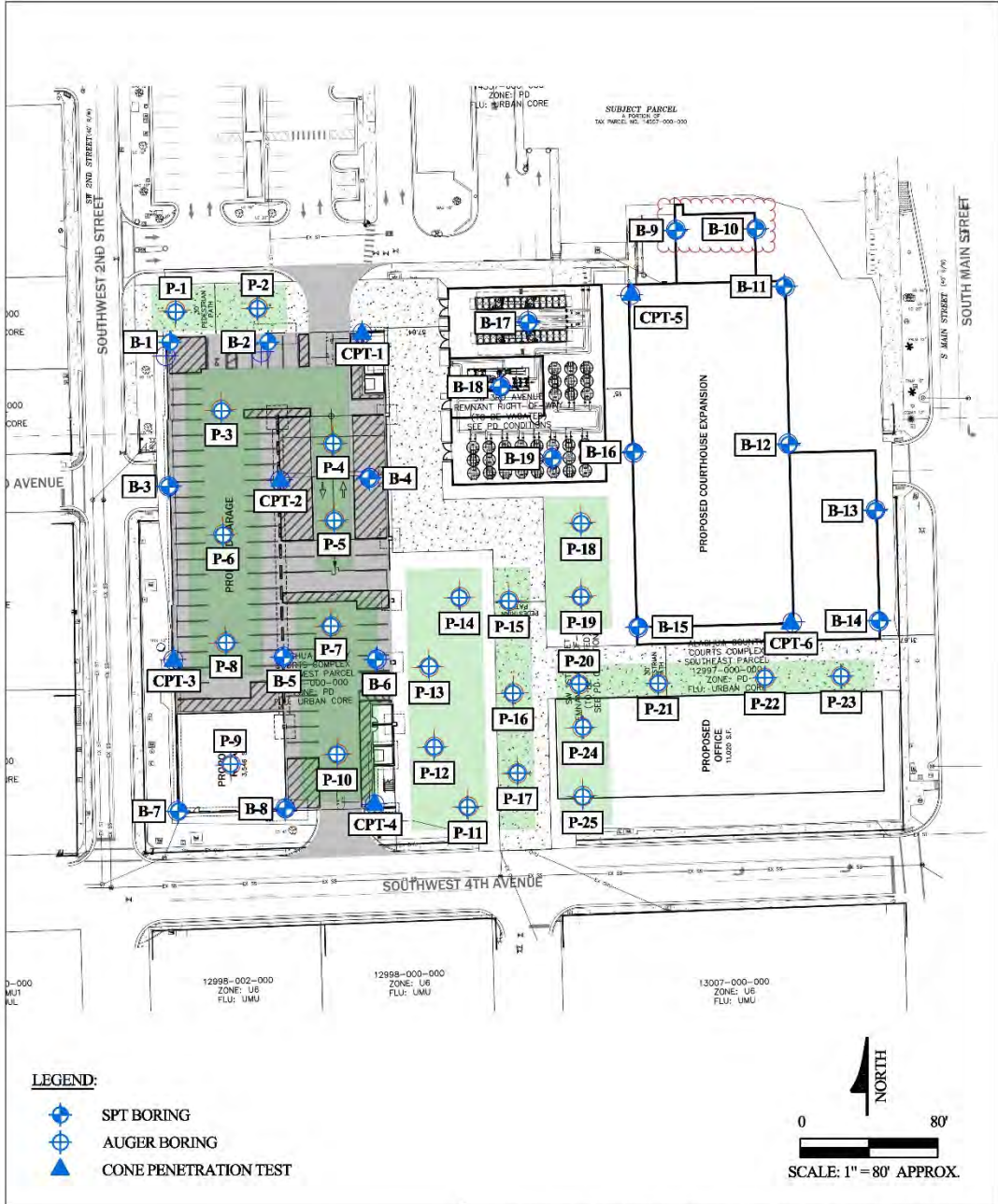
GSE Engineering & Consulting, Inc. is responsible for the conclusions and opinions contained within this report based upon the data relating only to the specific project and location discussed herein. If others make the conclusions or recommendations based upon the data presented, those conclusions or recommendations are not the responsibility of GSE.

*Summary Report of a Geotechnical Site Exploration
Proposed Alachua County Civil Courthouse Complex
Gainesville, Alachua County, Florida
GSE Project No. 16497*

May 20, 2024

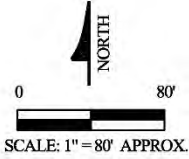
FIGURES





LEGEND:

- SPT BORING
- AUGER BORING
- CONE PENETRATION TEST



SITE PLAN SHOWING APPROXIMATE LOCATIONS OF FIELD TESTS			FIGURE 2
PROPOSED ALACHUA COUNTY CIVIL COURTHOUSE COMPLEX GAINESVILLE, ALACHUA COUNTY, FLORIDA GSE PROJECT NO. 16497			DESIGNED BY : AXL CHECKED BY : KLH DRAWN BY : EEW

Exhibit I: Not Used

Exhibit J: Schedule of Values



Alachua County Courthouse PG Contract Schedule of Values

Finrock Project 23-2002 08/26/2024

Description	TOTAL
DIVISION 1 - GENERAL REQUIREMENTS	\$619,689
DIVISION 2 - EXISTING CONDITIONS	\$0
DIVISION 3 - CONCRETE	\$6,447,437
DIVISION 4 - MASONRY	\$131,284
DIVISION 5 - METALS	\$201,780
DIVISION 6 - WOOD & PLASTICS	\$1,600
DIVISION 7 - THERMAL & MOISTURE PROTECTION	\$339,388
DIVISION 8 - DOORS & WINDOWS	\$217,960
DIVISION 9 - FINISHES	\$194,653
DIVISION 10 - SPECIALTIES	\$82,161
DIVISION 11 - EQUIPMENT	\$217,830
DIVISION 12 - FURNISHINGS	\$6,000
DIVISION 13 - SPECIAL CONSTRUCTION	\$0
DIVISION 14 - CONVEYING SYSTEMS	\$171,000
DIVISION 21 - FIRE PREVENTION	\$434,484
DIVISION 22 - PLUMBING	\$188,137
DIVISION 23 - HVAC	\$186,524
DIVISION 26- ELECTRICAL	\$723,468
DIVISION 27 - COMMUNICATIONS	\$3,750
DIVISION 28 - ELECTRONIC SAFETY AND SECURITY	\$73,322
DIVISION 31 - EARTHWORK	\$71,403
DIVISION 32- SURFACE IMPROVEMENTS	\$0
DIVISION 33 - UTILITIES	\$0
SUBTOTAL	\$10,311,870
DESIGN FEES	\$389,747
BOND	\$32,967
GENERAL CONTRACTOR'S FEE	\$442,416
DESIGN BUILD TOTAL	\$11,177,000

Exhibit K: Logistics Plan

ALACHUA COUNTY COURTHOUSE PG. SITE LOGISTICS PLAN

Sheet List Table	
Sheet Number	Sheet Title
SL-2	ERECTION ZONE CHART
SL-3	SITE LOGISTICS MAIN OVERVIEW
SL-4	ZONE 2
SL-5	ZONE 5
SL-6	ZONE 6
SL-7	ZONE 8
SL-8	ZONE 12
SL-9	CRANE DISMANTLE



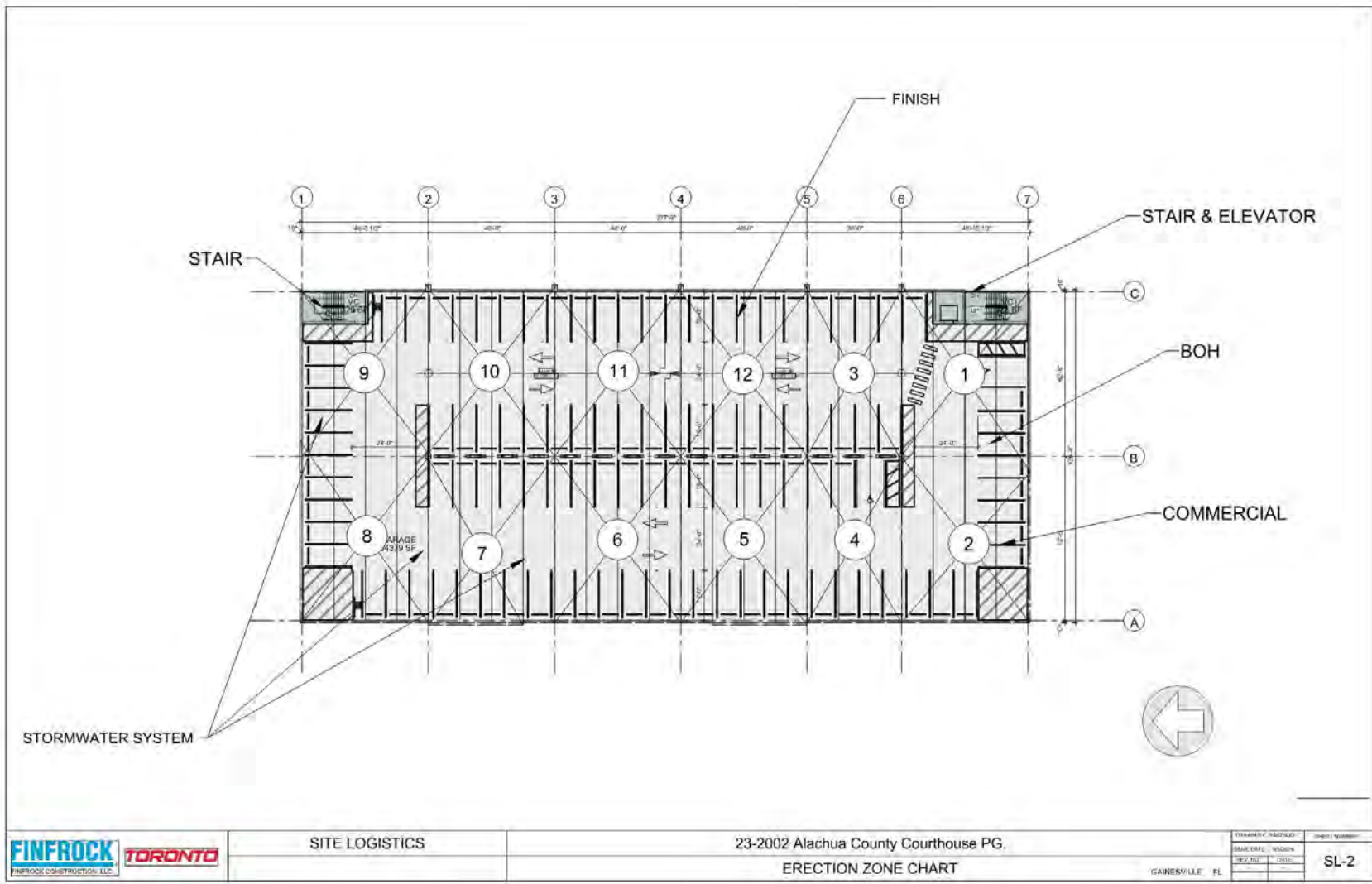
SITE LOGISTICS

23-2002 Alachua County Courthouse PG.

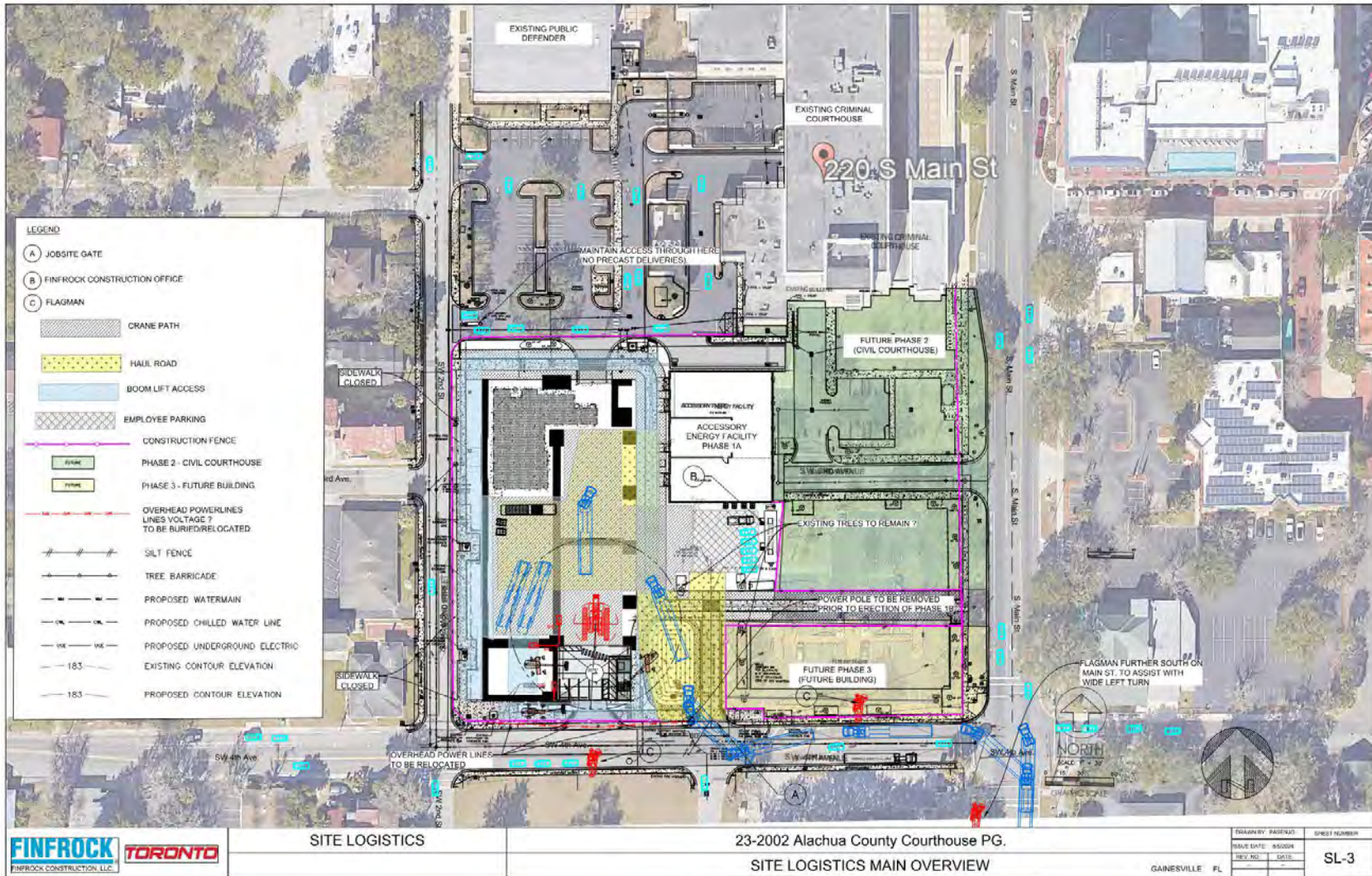
COVER SHEET

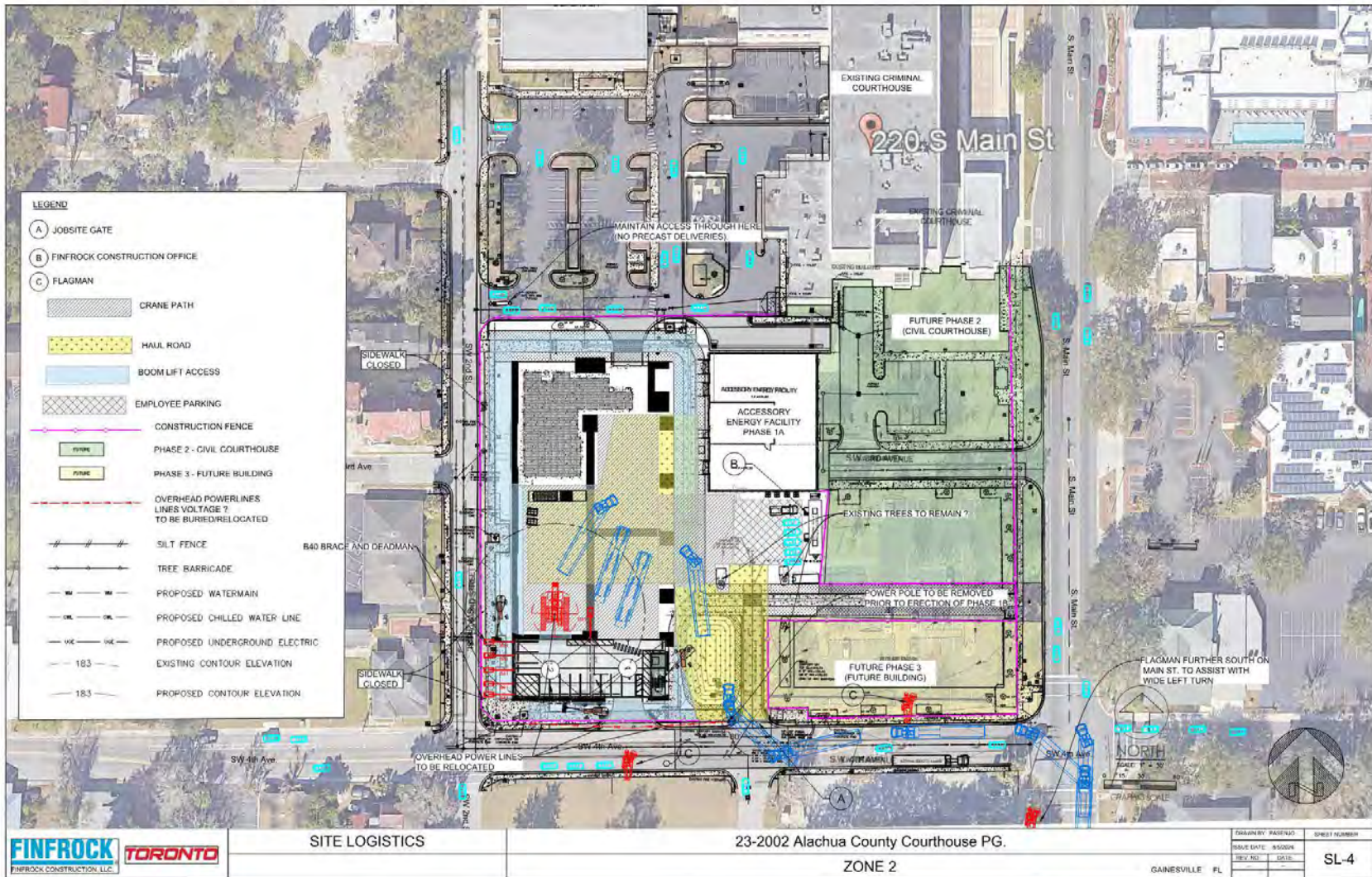
— GAINESVILLE — FL

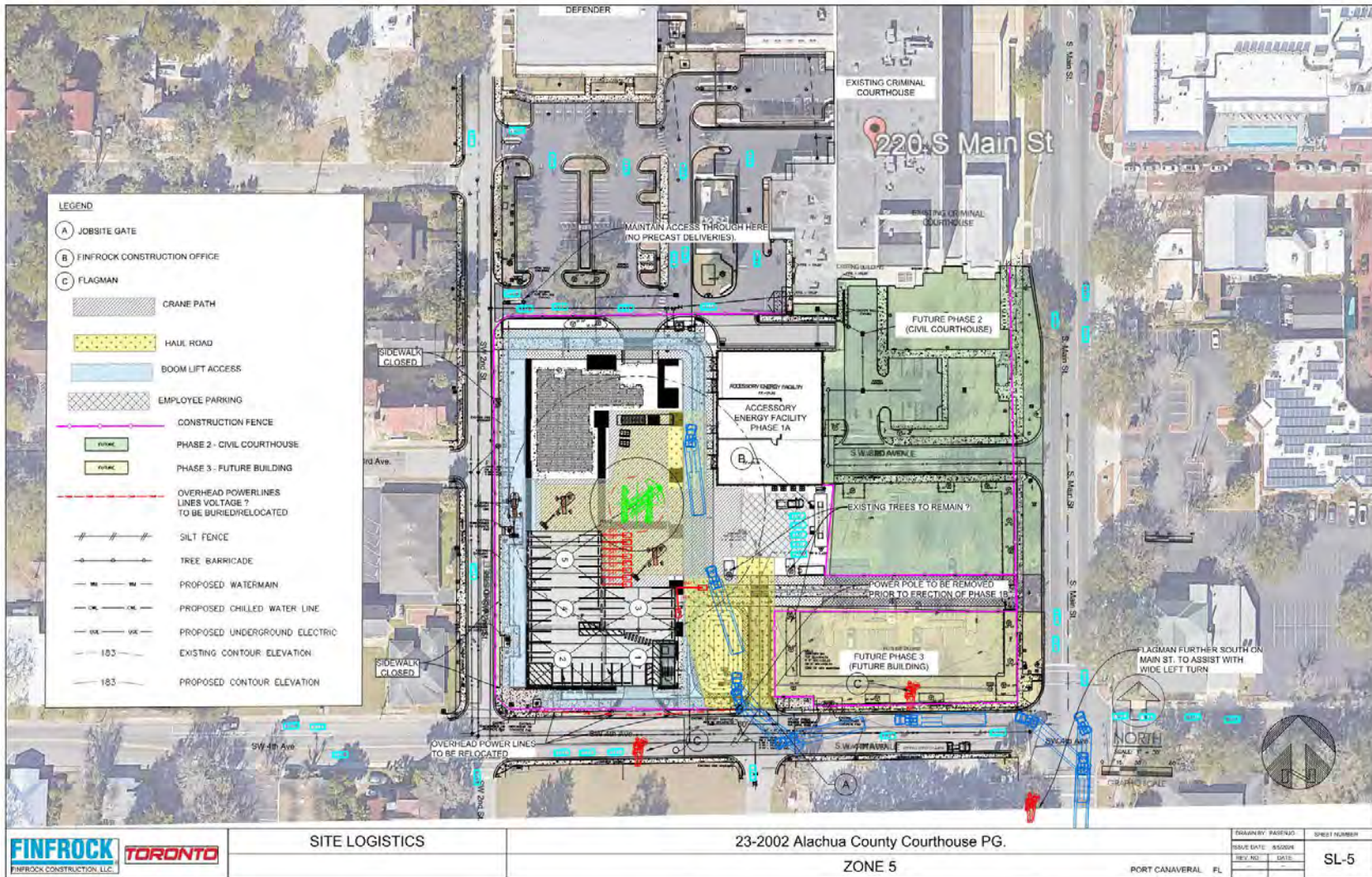
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<small>DATE</small>	<small>OF</small>
<small>DATE</small>	<small>OF</small>
<small>DATE</small>	<small>OF</small>
<small>DATE</small>	SL-1

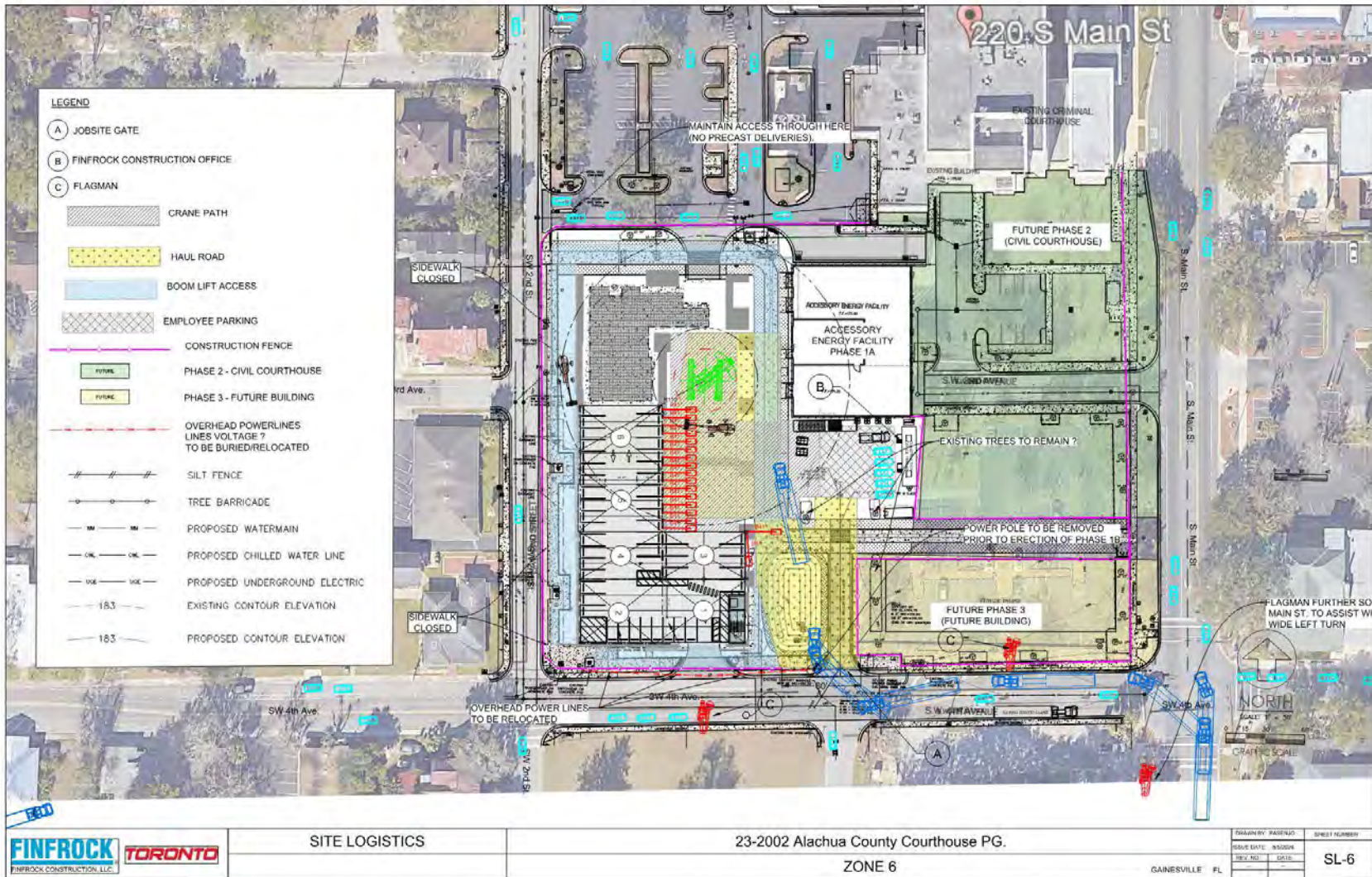


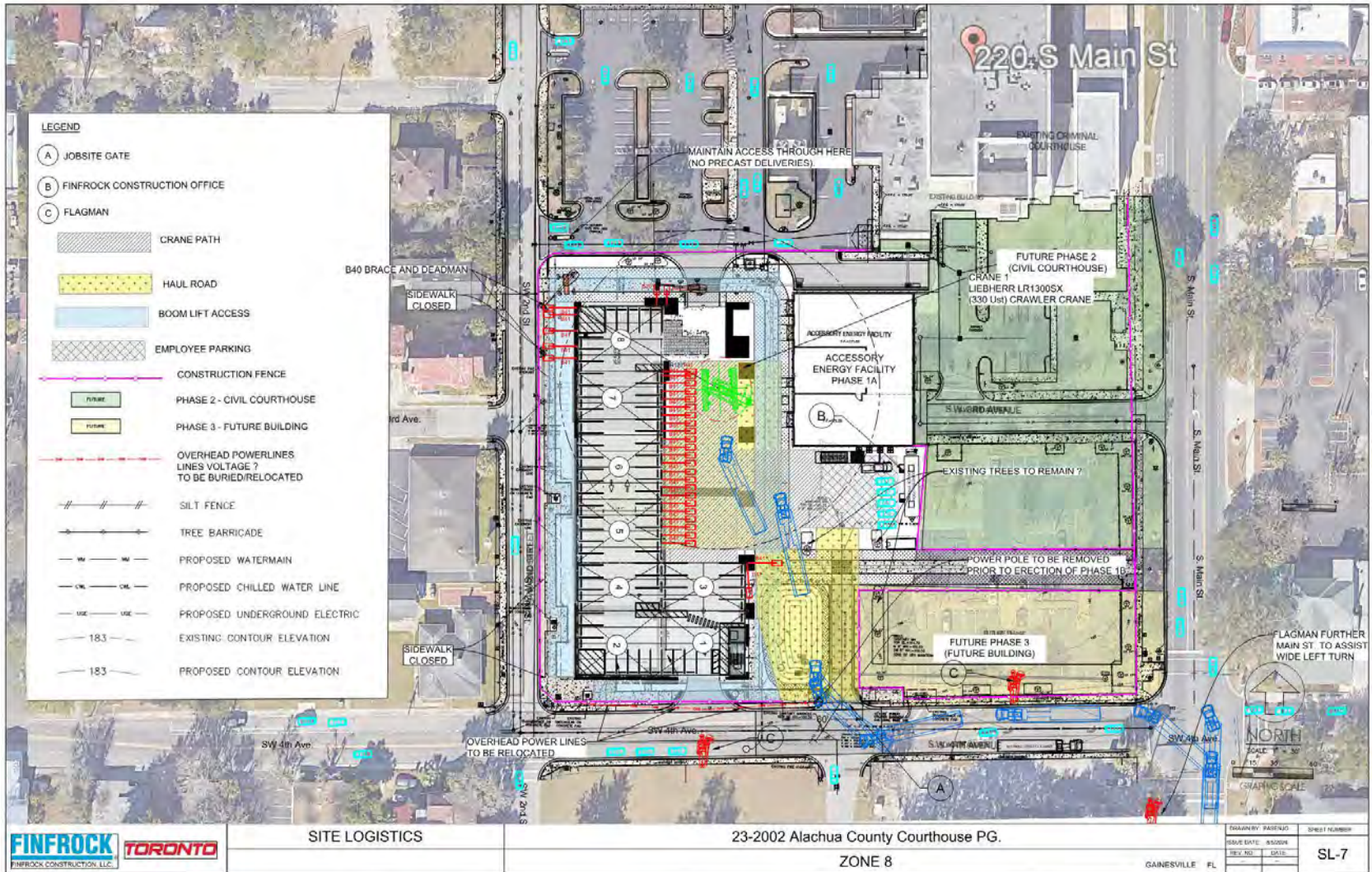
	SITE LOGISTICS	23-2002 Alachua County Courthouse PG.	<table border="1"> <tr> <td>DATE:</td> <td>11/11/2023</td> </tr> <tr> <td>BY:</td> <td>WAGNER</td> </tr> <tr> <td>REV:</td> <td>001</td> </tr> <tr> <td>DATE:</td> <td></td> </tr> </table>	DATE:	11/11/2023	BY:	WAGNER	REV:	001	DATE:	
	DATE:	11/11/2023									
BY:	WAGNER										
REV:	001										
DATE:											
		ERECTION ZONE CHART	<table border="1"> <tr> <td>PROJECT:</td> <td>SL-2</td> </tr> <tr> <td>LOCATION:</td> <td>GAINESVILLE, FL</td> </tr> </table>	PROJECT:	SL-2	LOCATION:	GAINESVILLE, FL				
PROJECT:	SL-2										
LOCATION:	GAINESVILLE, FL										

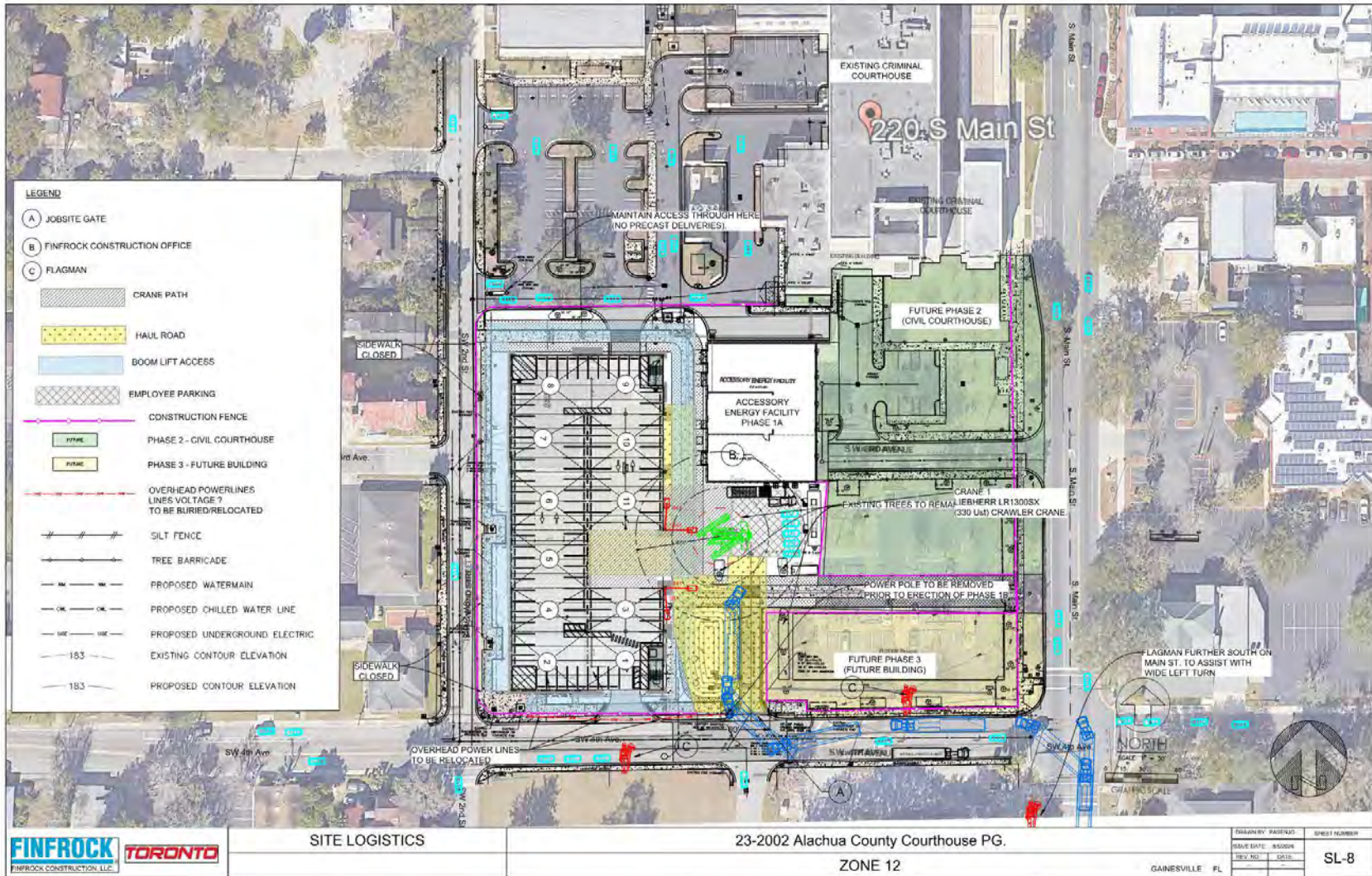












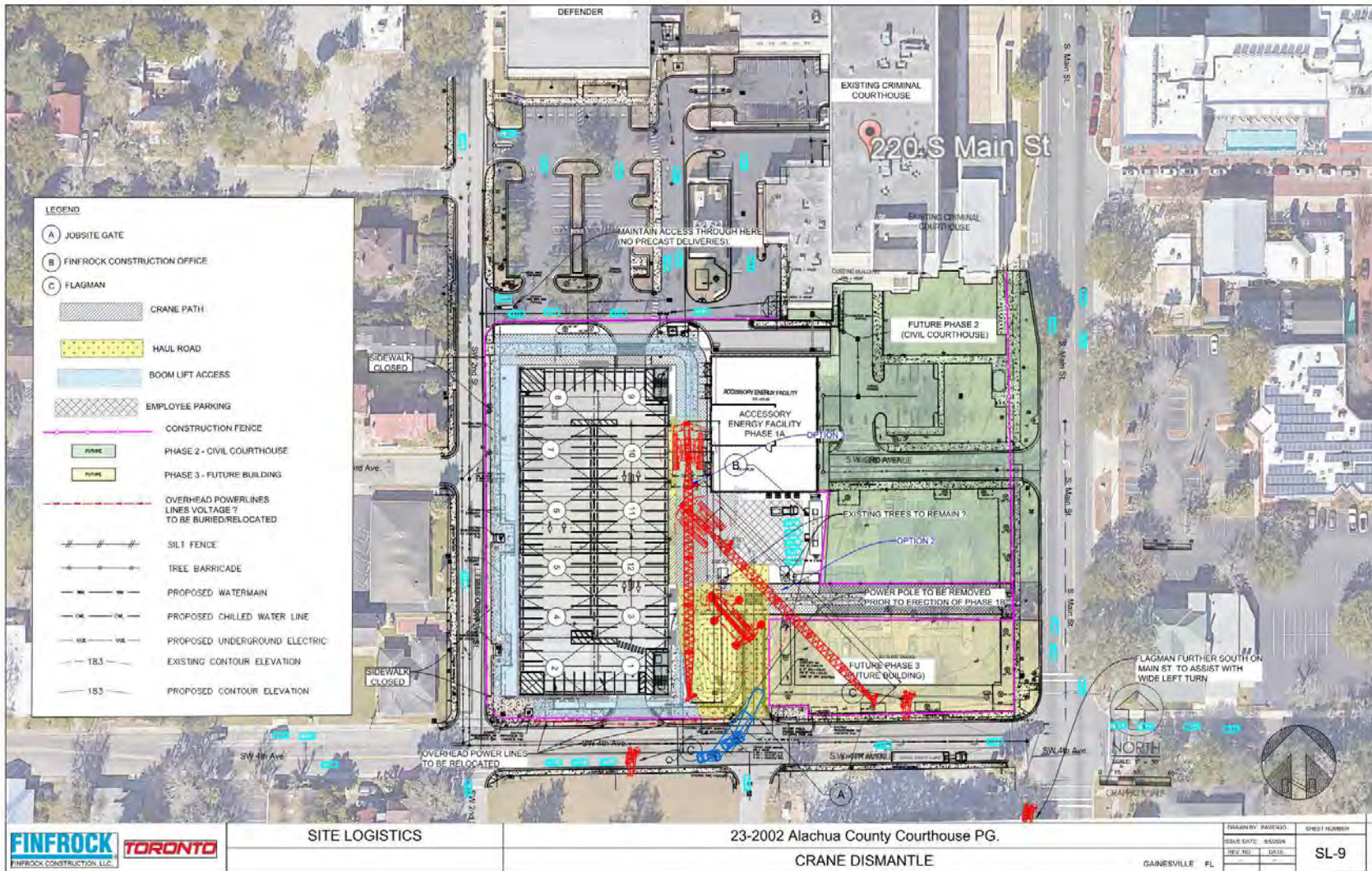


Exhibit L: Design-Builder’s Final Payment Affidavit Form

STATE OF FLORIDA
COUNTY OF _____

Before me, the undersigned authority, personally appeared _____, who after being duly sworn, deposes and says:

(1) He or she is the (title) _____, of _____, which does business in the State of Florida, hereinafter referred to as the “Design-Builder.”

(2) Design-Builder, pursuant to that certain General Construction Agreement No. _____ (“Agreement”) with Alachua County, a charter county and political subdivision of the State of Florida, hereinafter referred to as the “Owner,” has furnished or caused to be furnished labor, materials, and services for Bid or RFP No. _____; _____, as more particularly set forth in said Agreement.

(3) This affidavit is executed by the Design-Builder in accordance with §713.06 of the Florida Statutes for the purposes of obtaining final payment from the Owner in the amount of \$_____.

(3) Design-Builder certifies, represents and warrants that it has paid all persons defined in §713.01, Florida Statutes, who furnished labor, services, or materials for the prosecution of the Work provided for in the Agreement (“Claimants”), all amounts owed them from any previous payments received by Design-Builder from the Owner and has not withheld any such amounts.

(4) Design-Builder certifies, represents and warrants that all Work to be performed under the Agreement has been fully completed, and all Claimants have been paid in full.

(5) In accordance with the Contract Documents and in consideration of \$_____ paid, Design-Builder releases and waives for itself and all Claimants, including their successors and assigns, all claims demands, damages, costs and expenses, whether in agreement or in tort, against Owner relating in any way to the performance of the Agreement.(6) Design-Builder certifies, represents and warrants for itself and its subcontractors, materialmen, successors and assigns, that all charges for labor, materials, supplies, lands, licenses and other expenses for which Owner might be sued or for which a lien or a demand against any payment bond might be filed, have been fully satisfied and paid.

(7) Design-Builder agrees to indemnify, defend and save harmless Owner from all demands or suits, actions, claims of liens or other charges filed or asserted against Owner arising out of the performance by Design-Builder of the Work covered by the Agreement.

Design-Builder:

By: _____

Its: _____

Date: _____

Witnesses

[Corporate Seal]

STATE OF _____

Exhibit M: Waiver of Right Against Payment Bond Form

WAIVER OF RIGHT TO CLAIM AGAINST THE PAYMENT BOND (FINAL PAYMENT)

OWNER: Alachua County, a charter county and political subdivision of the State of Florida

DESIGN-BUILDER: _____

PROJECT: General Construction Agreement No. _____ (“Agreement”) for labor, materials, and services for Bid or RFP No. _____ Alachua County _____

The undersigned Claimant, for itself and its successors and assigns, and in consideration of the final payment made in the amount of \$ _____, hereby waives and releases its right to claim against the payment bond, and further waives, releases and discharges the Owner and Design-Builder from any and all claims, demands, obligations, damages, actions, and causes of action, direct or indirect, in law or in equity, for labor, services or materials furnished through _____ (insert date) to _____, on the job of **Alachua County**, a charter county and political subdivision of the State of Florida, for improvements associated with the above referenced Project.

DATED ON _____.

Claimant: _____

By: _____

(Name)

Title: _____

(Print Title)

STATE OF _____

COUNTY OF _____

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this day of _____, 20____, by _____.

Signature of Notary Public

Printed Name of Notary Public

Personally Known OR Produced Identification
Type of Identification Produced: _____

Exhibit N: Payment Bond Form

DESIGN-BUILDER (PRINCIPAL)

COMPANY (LEGAL NAME):
PRINCIPAL BUSINESS ADDRESS (No PO Box):
TELEPHONE NUMBER:

SURETY

COMPANY (LEGAL NAME):
PRINCIPAL BUSINESS ADDRESS (No PO Box):
TELEPHONE NUMBER:

OWNER (OBLIGEE)

NAME: Alachua County Board of County Commissioners
PRINCIPAL BUSINESS ADDRESS: 12 S.E. First Street, Gainesville, Florida 32601
TELEPHONE NUMBER: 352-374-5204

AGREEMENT DETAILS

DATE EXECUTED:
AMOUNT:
GENERAL DESCRIPTION:
STREET ADDRESS OF PROJECT:
PO NO. , RFP, OR BID NO. :

BOND

BOND NUMBER:
DATE:
AMOUNT:

KNOW ALL MEN BY THESE PRESENTS:

That Principal, hereinafter called Design-Builder, and Surety, as identified above, are bound to Alachua County, Florida, as Obligee, and hereinafter called the Owner, in the amount identified above, for the payment whereof Design-Builder and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally.

This payment bond is executed pursuant to §255.05, Florida Statutes, and claimants must comply with the notice and time limitations of §255.05(2). Florida Statutes.

WHEREAS, Design-Builder has by written Agreement entered into an Agreement, identified above, with Alachua County, which Contract Documents are by reference made part hereof, and for the purposes of this Bond are hereafter referred to as the "Agreement."

THE CONDITION OF THIS BOND is that if Design-Builder promptly makes payments to all persons defined in §713.01, Florida Statutes, who furnish labor, materials and supplies used directly or indirectly by Design-Builder in the performance of the Agreement; then DESIGN-BUILDER'S OBLIGATION SHALL BE VOID; OTHERWISE, IT SHALL REMAIN IN FULL FORCE AND EFFECT.

The surety hereby waives notice of and agrees that any changes in or under the Agreement and compliance or noncompliance with any formalities connected with the Agreement or the changes do not affect surety's obligation under this bond.

The provisions of this bond are subject to the time limitations of §255.05(2). In no event will the Surety be liable in the aggregate to claimants for more than the penal sum of this Payment Bond, regardless of the number of suits that may be filed by claimants.

Signed and sealed this _____ day of _____, 20_____.

DESIGN-BUILDER (PRINCIPAL)

Signed, sealed and delivered in the presence of:

By: _____

Witnesses as to Design-Builder

Name: _____

Title: _____

STATE OF _____

COUNTY OF _____

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this day of _____, 20____, by _____.

Signature of Notary Public

Printed Name of Notary Public

Personally Known OR Produced Identification

Type of Identification Produced: _____

SURETY

SIGNATURE: _____

SEAL

PRINTED NAME AND TITLE: ATTORNEY IN FACT

Exhibit O: Performance Bond Form

DESIGN-BUILDER (PRINCIPAL)

COMPANY (LEGAL NAME):
PRINCIPAL BUSINESS ADDRESS (No PO Box):
TELEPHONE NUMBER:

SURETY

COMPANY (LEGAL NAME):
PRINCIPAL BUSINESS ADDRESS (No PO Box):
TELEPHONE NUMBER:

OWNER (OBLIGEE)

NAME: Alachua County
PRINCIPAL BUSINESS ADDRESS: 12 S.E. First Street, Gainesville, Florida 32601
TELEPHONE NUMBER: 352-374-5204

AGREEMENT DETAILS

DATE EXECUTED:
AMOUNT:
GENERAL DESCRIPTION:
STREET ADDRESS OF PROJECT:
PO NO. , RFP, OR BID NO. :

BOND

BOND NUMBER:
DATE:
AMOUNT:

KNOW ALL MEN BY THESE PRESENTS:

That Principal, hereinafter called Design-Builder, and Surety, as identified above, are bound to Alachua County, Florida, as Obligee, and hereinafter called the Owner, in the amount identified above, for the payment whereof Design-Builder and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally.

WHEREAS, Design-Builder has by written Agreement entered into an Agreement, identified above, with Owner, which Contract Documents are by reference made a part hereof, and for the purposes of this Bond are hereafter referred to as the "Agreement";

THE CONDITION OF THIS BOND is that if Design-Builder:

1. performs the Agreement between Design-Builder and Owner, at the times and in the manner prescribed in the Agreement; and
2. pays Owner all losses, damages, including liquidated damages and damages caused by delay, expenses, costs and attorney's fees including appellate proceedings, that Owner sustains as a result of default by Design-Builder under the Agreement; and
3. performs the guarantee of all Work and materials furnished under the Agreement for the time specified in the Agreement; then THIS BOND IS VOID, OTHERWISE IT REMAINS IN FULL FORCE AND EFFECT.

Whenever Design-Builder shall be, and is declared by Owner to be, in default under the Agreement, and Owner having performed Owner's obligations there under, the Surety may promptly remedy the default, or shall promptly:

1. complete the Agreement in accordance with its terms and conditions; or
2. obtain a bid or bids for completing the Agreement in accordance with its terms and conditions, and upon determination by Surety of the lowest responsible bidder, or, if Owner elects, upon determination by Owner and Surety jointly of the lowest responsible bidder, arrange for an Agreement between such

Bidder and Owner, and make available as Work progresses sufficient funds, paid to Owner, to pay the cost of completion and other costs and damages for which the Surety may be liable hereunder.

No right of action shall accrue on this bond to or for the use of any person of corporation other than Owner named herein.

The Surety, for value received, hereby stipulates and agrees that no changes, extensions of time, alterations or additions to the terms of the Agreement or other Work to be performed hereunder, or the specifications referred to therein shall in any way affect its obligations under this bond, and it does hereby waive notice of any such changes, extensions of time, alterations or additions to the terms of the Agreement or to Work or to the specifications.

This instrument shall be construed in all respects as a common law bond. It is expressly understood that the time provisions and statute of limitations under §255.05, Florida Statutes, shall not apply to this bond.

In no event will the Surety be liable in the aggregate to Obligee for more than the penal sum of this Performance Bond regardless of the number of suits that may be filed by Obligee.

Signed and sealed this _____ day of _____, 20_____.

DESIGN-BUILDER (PRINCIPAL)

Signed, sealed and delivered in the presence of:

By: _____
Witnesses as to Design-Builder Name: _____ Title: _____

STATE OF _____
COUNTY OF _____

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this day of _____, 20____, by _____.

Signature of Notary Public

Printed Name of Notary Public

Personally Known OR Produced Identification
Type of Identification Produced: _____

SURETY
SIGNATURE: _____ SEAL

PRINTED NAME AND TITLE:

Exhibit P: Design-Build Notice to Proceed

NTP No.: _____

Agreement No.: 13979

Invoice/Billing Reference No.: _____

Project Description: Alachua County Judicial Justice Center Parking Structure

Owner: Alachua County, a Charter County and political subdivision of the State of Florida

Date Issued: _____

Owner Project Manager:

Design-Builder: Finrock Construction LLC

Design-Builder's Address: 2400 Apopka Boulevard, Apopka, FL 32703

Architect/Engineer: _____

This Notice to Proceed (NTP) is issued in accordance with the terms of the General Construction Agreement No. _____, dated _____ between the Owner and the Design-Builder (“Agreement”). Execution of this NTP by Owner shall serve as authorization for the Design-Builder to perform the Work for the above project as set forth in that certain the Agreement, including its exhibits, and further delineated in the specifications, conditions and requirements stated in the following listed documents which are attached hereto and made a part hereof.

ATTACHMENTS:

- DRAWINGS/PLANS/SPECIFICATIONS
- SCOPE OF WORK
- SPECIAL CONDITIONS
- SCHEDULE OF VALUES
- _____

The Design-Builder shall provide said services pursuant to this Notice to Proceed, its attachments and the above-referenced Agreement, which is incorporated herein by reference as if it had been set out in its entirety. Whenever the Notice to Proceed conflicts with said Agreement, the Agreement shall prevail.

TIME FOR COMPLETION: The Work authorized by this Notice to Proceed shall be commenced upon the date written above or upon issuance of in accordance with the above-referenced Agreement.

METHOD OF COMPENSATION: The Owner shall make payment to the Design-Builder in strict accordance with the payment terms of the above-referenced Agreement and in accordance with the Schedule of Values.

It is expressly understood by the Design-Builder that this and Notice to Proceed, until executed by the Owner, does not authorize the performance of any services by the Design-Builder and that the Owner, prior to its execution of the Notice to Proceed, reserves the right to authorize a party other than the Design-Builder to perform the services called for under this document if it is determined that to do so is in the best interest of the Owner.

IN WITNESS WHEREOF, the Parties hereto agree to this Notice to Proceed and have executed it on this _____ day of _____, 20____.

DESIGN-BUILDER

By: _____

Date: _____

Title: _____

Print Name and Title

ALACHUA COUNTY, FLORIDA

By: _____

Alachua County

Date: _____

ARCHITECT/ENGINEER (as applicable)

By: _____

Date: _____

Title: _____

Print Name and Title

Certificate Of Completion

Envelope Id: 42FC800D7D544EA691F3FCACF3E14F4A	Status: Completed
Subject: Complete with DocuSign: AIA Agreement for Alachua County Courthouse Parking Garage	
Source Envelope:	
Document Pages: 249	Signatures: 2
Certificate Pages: 5	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Michelle Guidry
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	mguidry@alachuacounty.us
	IP Address: 149.19.43.13

Record Tracking

Status: Original	Holder: Michelle Guidry	Location: DocuSign
9/17/2024 3:59:32 PM	mguidry@alachuacounty.us	
Security Appliance Status: Connected	Pool: StateLocal	
Storage Appliance Status: Connected	Pool: Alachua County	Location: DocuSign

Signer Events

Daniel Helmick
 dhelmick@finrock.com
 EVP
 Security Level: Email, Account Authentication (None)

Signature



Signature Adoption: Pre-selected Style
 Using IP Address: 75.112.12.187

Timestamp

Sent: 9/17/2024 4:11:36 PM
 Resent: 9/19/2024 3:41:05 PM
 Viewed: 9/20/2024 4:26:43 PM
 Signed: 9/23/2024 3:23:26 PM

Electronic Record and Signature Disclosure:
 Accepted: 9/17/2024 4:25:01 PM
 ID: 95f60622-79c4-40f5-920d-cbd43ff9ba5b

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events

Status

Timestamp

Bradley Davis
 bdavis@finrock.com
 Security Level: Email, Account Authentication (None)

COPIED

Sent: 9/23/2024 3:23:29 PM
 Viewed: 9/23/2024 3:24:17 PM

Electronic Record and Signature Disclosure:
 Not Offered via DocuSign

Thomas (Jon) Rouse
 trouse@alachuacounty.us
 Contracts Supervisor
 Alachua County Board of County Commissioners
 Security Level: Email, Account Authentication (None)

COPIED

Sent: 9/23/2024 3:23:29 PM

Electronic Record and Signature Disclosure:
 Not Offered via DocuSign

Carbon Copy Events	Status	Timestamp
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Carolyn Miller
crmiller@alachuacounty.us
Procurement Specialist
Procurement
Security Level: Email, Account Authentication
(None)
Electronic Record and Signature Disclosure:
Not Offered via DocuSign

COPIED

Sent: 9/23/2024 3:23:30 PM

Barbara Fair
bafair@alachuacounty.us
Security Level: Email, Account Authentication
(None)
Electronic Record and Signature Disclosure:
Not Offered via DocuSign

COPIED

Sent: 9/23/2024 3:23:31 PM
Viewed: 9/23/2024 3:32:40 PM

Witness Events	Signature	Timestamp
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Notary Events	Signature	Timestamp
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Envelope Summary Events	Status	Timestamps
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Envelope Sent	Hashed/Encrypted	9/17/2024 4:11:36 PM
Envelope Updated	Security Checked	9/19/2024 3:40:57 PM
Envelope Updated	Security Checked	9/19/2024 3:40:57 PM
Certified Delivered	Security Checked	9/20/2024 4:26:43 PM
Signing Complete	Security Checked	9/23/2024 3:23:26 PM
Completed	Security Checked	9/23/2024 3:23:31 PM

Payment Events	Status	Timestamps
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Electronic Record and Signature Disclosure
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ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

From time to time, Alachua County (we, us or Company) may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through the DocuSign system. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to this Electronic Record and Signature Disclosure (ERSD), please confirm your agreement by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

Getting paper copies

At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a \$0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact Alachua County:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by email send messages to: mguidry@alachuacounty.us

To advise Alachua County of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at mguidry@alachuacounty.us and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

If you created a DocuSign account, you may update it with your new email address through your account preferences.

To request paper copies from Alachua County

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to mguidry@alachuacounty.us and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with Alachua County

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

- i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an email to mguidry@alachuacounty.us and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <https://support.docusign.com/guides/signer-guide-signing-system-requirements>.

Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to ‘I agree to use electronic records and signatures’ before clicking ‘CONTINUE’ within the DocuSign system.

By selecting the check-box next to ‘I agree to use electronic records and signatures’, you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Alachua County as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Alachua County during the course of your relationship with Alachua County.