City of Fairburn

Request for Proposal
RFP.NO-22-015

Design-Bid-Build, (DBB) Architectural and Engineering Services for the City of Fairburn, Fire Station 23, 5650 MILAM RD, FAIRBURN GA 30213

Bids Due: Friday September 09,2022
No Later Than 3:00PM Eastern Standard Time

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Section 1.00 Overview

Section1.01-Introduction to Proposal

The City of Fairburn is seeking Request for Proposals from qualified firms to plan and design Fairburn Fire Station# 23 which is to be located at 5650 Milam Road Fairburn, Ga. 30213, under RFP#-015 entitled "*The Design Services for the City of Fairburn Fire Station 23, 5650 MILAM RD, FAIRBURN GA 30213"*.

Pursuit to **The City of Fairburn's** procurement policy, all contracts in excess of $25,000.00 are subject to formal competitive bidding

This Proposal seeks the proposal from the most responsible bidder with the capacity to provide quality services as specified within the solicitation.

Section 1.02-Proposal#/ Project Title

RFP#22-015The Design Services for the City of Fairburn Fire Station 23, 5650 MILAM RD, FAIRBURN GA 30213

Section 1.03 Definitions

Definitions	Meaning
Agreement	A contract duly executed and legally binding
Change Order	A written modification or amendment to a contract.
City-The	Authorized individual means a person granted authority, in accordance with agency procedures, to conduct business, and enter into agreements on behalf of the City of Fairburn
Contractor- The	means the provider of the goods and/or services under the Contract.
Concept Plan	Overview of the deliverables specified in the proposal
Contract	means an agreement,including all incorporated documents reached by means of an extension of an offer from one party and acceptance of the terms and conditions from the other party or parties creating obligations that are enforceable or otherwise recognizable at law.O.C.G.A13-1-1
Debriefing	A practice used primarily during the Request for Proposals process, whereby the contracting authority will meet individually, generally upon request, with each proposer whose proposal was not deemed appropriate for award, to discuss the strong and weak points of that supplier's proposal.
DBB	Design Bid Build means The traditional project delivery method, which customarily involves three sequential project phases: design, procurement, and construction, and two distinct contracts for the design and construction (build) phases.

Design Deficiency	A condition that prevents a product from being useful, the correction of which would require a design change.
Design Specifications	A type of specification that establishes the characteristics an item must possess, including details indicating how it is to be manufactured. May include engineering plans or drawings, and blueprints. It states to the contractor in prescriptive terms what the contractor must provide to the buyer
Detention Pond	dry pond designed to hold water by under water pipes
Duration of Contract	The date that the agreement between the City and the Contractor starts and ends
Deliverables	Expected work product as defined in a contract. 2. The actual contractual work product as defined in the statement of work; the desired goods or services described in a statement of requirement, specifications, scope of work, or other similar solicitation component to be provided under the contract
NFPA 1500	NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 1500 specifies the minimum requirements for an occupational safety and health program for fire departments or organizations that provide rescue, fire suppression, emergency medical services, hazardous materials mitigation, special operations, and other emergency services.
OSHA	Occupational Safety and Health Administration mission is to "assure safe and healthy working conditions for employees and women by setting and enforcing standards and by providing training, outreach, education and assistance
RFP	Request for Proposal- Document detailing the specified deliverables listed in this solicitation
Drive Thru bays	An open compartment used to house the Fire Trucks and other vehicles
DSA	Division of the State Architect-The Division of the State Architect (DSA) provides design and construction oversight for K–12 schools, community colleges, and various other state-owned and state-leased
	facilities to ensure that they comply with all structural, accessibility, and fire and life safety codes
EPA	Environmental Protection Agency: protects people and the environment from significant health risks, sponsors and conducts research, and develops and enforces environmental regulations.
Evaluation	Systemic determination of the merit and worth of submitted responses measured against set criteria that meet the required specifications stated in the solicitation
FF&E design	Furniture, fixtures & equipment," FF&E", items not permanently affixed to a building and are consequently easily removal from their respective location.
First Article Approval	testing and evaluating the first article (site)for conformance with specified contract requirements before or in the initial stage of construction.
Force Majeure	Unexpected or uncontrollable events, including those caused by nature that can impact the contract's price, terms, and conditions. These events are not the result of contractor negligence and may excuse contractor performance during the events and under certain conditions caused by them. Acts of God or disruptive conditions for which a contractor or carrier will not be held responsible.
HVAC	Heating, Ventilation, and Air Conditioning
Joint Venture	A joint venture (JV) is a business arrangement in which two or more parties agree to pool their resources for the purpose of accomplishing a specific task.
LED	Light Emitting Diode
LVT Flooring	Luxury Vinyl Tile," LVT"
Milestone	An event or action that marks a clear stage or change in the progress or development of a project.
Offeror-The	Those firms, individuals, organizations, or entities putting forward for consideration, plans to meet the scope of work and requirements outlined in this solicitation
Response	Means the Contractor's submitted response to solicitation, modifications or clarifications
Statement of Work	The defining details, including objectives, deliverables, and success criteria of a project.

Scope of Work The specific deliverables required to successfully meet the terms and conditions the statement of work; The services of developing the plans and work schedule required to construct Fire Station 23 5650 Milam Rd Fairburn, Ga 30213

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Section 1.04 Statement of Work

Project Description: The Proposer shall provide Architecture, Engineering, Surveying Services to The City of Fairburn as specified in this RFP and Scope of Work (SOW) attached hereto and incorporated herein by reference:

Statement of Work: To develop design scope for the City of Fairburn Fire Station 23, 5650 MILAM RD, FAIRBURN GA 30213.

The services requested shall include the following:

1. Site Study Analysis – including but not limited to surveying, geotechnical and environmental testing, and design services.
2. Programming to develop a best possible solution for the City of Fairburn Fire Station 23
3. Concept Design Development
4. Schematic Design (15% Design) submittal and Owner Approval
5. Design Development Phase (40%) submittal and Owner Approval
6. Construction Documents Phase (90%) Owner and AHJ Approval
7. Cost estimate of the actual construction of the Fire Station
8. Permit Review with AHJ and 100% Construction Documents, including plans and specifications.
9. Contractor Bidding & Negotiations support for the City of Fairburn
10. Construction Administration Services
11. Commissioning
12. Design of the Fixed, Furniture and equipment. (FF&E)

13. Construction Punch List Inspections and Project Closeout
14. The Contractor will provide a schedule for project, from design to construction completion and closeout
15. The Contractor shall provide pricing per the fee schedule in Exhibit
16. The Contractor shall provide unit pricing and hourly rates per Exhibit C

Section 1.04(a)
Design Scope

The design shall be based on the concept plan envisioned by the City of Fairburn and should include the following items:

a. **One story 9,000 +/- total SF**.
b. **Roof** - architectural shingles with 30-year warranty; prefinished aluminum box gutters with matching prefinished downspouts that tie into underground drain system.
c. **Three (3) drive-thru bays with (4) trough type floor drains in each bay with sand oil separator**.
d. **Source-Capturing Exhaust System** – like Plymovent exhaust vehicle extraction system; must meet NFPA 1500, OSHA, IBC, EPA and DSA standards.
e. **Day Quarters to include Kitchen/Dining/Day Room, Exercise Room with rubber sports flooring**
f. **Commercial Kitchen** – All appliances, cabinetry to be stainless Steel.
g. **Sleeping Quarters to include (8) bunk areas** (one of the eight slightly larger for Lieutenant)
h. **Covered Patio** – At least 450sf.
i. **Laundry Room**
j. **Gear Laundry** – adjacent to bay, to include commercial grade 4-place heated gear dryer rack and 40lb capacity washer/extractor.
k. **Community Room**
l. **Entrance Door/Patio Door** - shall be commercial storefront type.

m. **Mechanical room and electrical/network room** with LVT flooring (not in attic).
n. **Controlled Access** – all exterior doors shall be electric controlled access with readers; provide power to each exterior door for these readers/doors.
o. **All Exterior Driveways and Parking** to be 6" 4,000 PSI reinforced concrete with 6" of GAB.
p. **Emergency Generator** – large enough to run entire building (including HVAC).
q. **HVAC Requirements** – Day Room/Kitchen/Gear Locker Room:
r. **Low Voltage**.
s. **(2) Gas Water Heaters** – high efficiency commercial (inducted draft).
t. **Drop Ceiling** –
u. **Public Parking** – 2 regular/1 handicap in front of F.S.
v. **Employee Parking** – 12-15 total on side of or behind F.S.
w. **Dumpster Pad/Enclosure** – no cover/roof; to include inside and outside bollards
x. **Lighted Flagpole** – 30' commercial grade aluminum flagpole with LED lights.
y. **Signage** – ADA/Interior and Exterior Building, including Bronze Plaque
z. **Fire Alarm** – smoke/carbon monoxide detectors with horn & strobe tenant notification system
aa. **Sprinkler System** – NFPA 13R fire sprinkler system throughout entire building to meet code, including bay area.
bb. **Security Cameras**
cc. **Landscaping** shall meet or exceed local code requirements; landscaping plan shall be a submitted to and approved by the Owner and included in the construction documents.
dd. **Detention Pond**
ee. **LED Parking Lot Lighting** – vendor shall provide a parking lot lighting plan per code and
ff. **lighting plan**
gg. **Fire Hydrant** shall be installed at rear of Fire Station for filling fire trucks; this must go through fire line meter.

hh. **Vendor** will assist Owner and Contractor with submission of the NOI/NOT documents to the Georgia Environmental Protection Division.

ii. **Vendor shall include FF&E** design and selection.

Section 1.05
Construction Budget and Funding

Funding for this project has been approved as part of the General Obligations Bonds, Series 2011 Referendum March 03, 2011 per Finance Director and The City of Fairburn Administration, Mayor, and Council.

Section 1.06
Selected Site for Construction

The proposed site for this site is 5650 Milam Road Fairburn Ga. 30213

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Section 2.00 GENERAL TERMS AND CONDITIONS

Section 2.02 Procedures

I. **Compliance with the Law**. The Contractor, its employees, agents, and subcontractors shall comply with all applicable federal, state, and local laws, rules, ordinances, regulations and orders now or hereafter in effect when performing under the Contract. The provisions of O.C.G.A. Section 45-10-20 et seq. have not and must not be violated under the terms of this Contract. Contractor certifies that Contractor is not currently Revised 07/06/16 SPD-SP028 engaged in, and agrees for the duration of this Contract not to engage in, a boycott of Israel, as defined in O.C.G.A. § 50-5-85

The extent and character of the services to be performed by the Contractor shall subject to the general control and approval of The City

and any representatives acting on behalf of The City. Any changes to the contract must be submitted in writing and approved by the following: ***Procurement Manager, Project Manager, Finance Director, City Administrator(s), Mayor, and Council.***

II. FIRST ARTICLE APPROVAL - CONTRACTOR TESTING

(a) The Contractor shall provide a report of a Subsurface exploration and Geotechnical engineering evaluation for this proposal as specified in this contract. At least 10 calendar days before the beginning of first article tests, the Contractor shall notify the Contracting Officer, in writing, of the time and location of the testing so that the Government may witness the tests.

(b) The Contractor shall submit the first article test report within 15 calendar days from the date of this contract via email to: procurement@fairburn.com; subject title FIRSTARTICLE:GEOTECHNICAL & ENGINEERING EVALUATION 2022 Contract No. 22-015, 5650 Milam Road Fairburn, Ga 30213. Within 5 calendar days after the City receives the test report, The Procurement Manager shall notify the Contractor, in writing, of the conditional acceptance, or disapproval of the first article report. The notice of conditional approval or approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the Contractor. A notice of disapproval shall cite reasons for the disapproval.

(c) If the first article is disapproved, the Contractor, upon the City's request, shall repeat any or all first article tests. After each request for additional tests, the Contractor shall make any necessary, changes modifications, or repairs to the first article or select another first article for testing. All costs related to these tests are to be borne by the Contractor, including any and all costs for additional tests following a disapproval. The Contractor shall then conduct the tests and deliver another report to the City the terms and conditions and within the time specified by the City. The City shall act on this report within the time specified in paragraph (b) above. The City reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule, or for any additional costs to the Government related to these tests.

(d) If the Contractor fails to deliver any first article report on time, or the Contracting Officer disapproves any first article, the Contractor shall be

deemed to have failed to make delivery within the meaning of the clause of this contract.

(e) Unless otherwise provided in the contract, and if the approved first article is not consumed or destroyed in testing; the Contractor may deliver the approved first article as part of the contract quantity if it meets all contract requirements for acceptance

(f) If the City does not act within the time specified in paragraph (b) or (c) above, the Contracting Officer shall, upon timely written request from the Contractor, equitably adjust under the Changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

(g) Before first article approval, the acquisition of components or the commencement of production of, the balance of the contract quantity is at the sole risk of the Contractor. Before first article approval, the costs thereof shall not be allocable to this contract for (1) progress payments, or (2 termination settlements if the contract is terminated for the convenience of the Government.

(h) The City may waive the requirement for first article approval test where supplies identical or similar to those called for in the schedule have been previously furnished by the offeror/contractor and have been accepted by the Government. The offeror/contractor may request a waiver.

III. Drug-free Workplace. The Contractor hereby certifies as follows: (i) Contractor will not engage in the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana during the performance of this Contract; and (ii) If Contractor has more than one employee, including Contractor, Contractor shall provide for such employee(s) a drug-free workplace, in accordance with the Georgia Drug-free Workplace Act as provided in O.C.G.A. Section 50-24-1 et seq., throughout the duration of this Contract; and (iii) Contractor will secure from any subcontractor hired to work on any job assigned under this Contract the following written certification: "As part of the subcontracting agreement with (Contractor's Name), (Subcontractor's Name) certifies to the contractor that a drug-free workplace will be provided for the subcontractor's employees during the performance of this Contract pursuant to paragraph 7 of subsection (b) of Code Section 50-24-3." Contractor may be suspended, terminated, or debarred if it is determined that: (i) Contractor has made

false certification here in above; or (ii) Contractor has violated such certification by failure to carry out the requirements of O.C.G.A. Section 50-24-3(b)

IV. Debarred, Suspended and Ineligible Status

. Contractor certifies that the Contractor and/or any of its subcontractors have not been debarred, suspended or declared ineligible by any agency of the State of Georgia. Contractor will immediately notify the City if Contractor is debarred by the State of Georgia or placed on the Consolidated List of Debarred, Suspended and Ineligible Contractors by a federal entity

V. Insurance

The Contractor shall procure, maintain, and provide proof of, insurance for injuries to persons and/or property damage as may arise from or in conjunction with, the work performed on behalf of the City by the Contractor, his agents, representatives, employees, or subcontractors. Proof of coverage as contained herein shall be submitted prior to the commencement of work and such coverage shall be maintained by the Contractor for the duration of the contract period. The Contractor shall not perform any work unless he has obtained and continues to maintain for the duration of such work, such worker's compensation coverage as may be required pursuant to the provisions of Title 34 Chapter 9 of the Official Code of Georgia. Failure on the part of the Proponent to procure or maintain policies providing the required coverages, conditions, and minimum limits shall constitute a material breach of contract upon which the City may immediately terminate the Agreement.

(a). Liability

The Contractor shall maintain such insurance as will protect him from claims under workers' compensation acts and from any other claims for damages to property, and for personal injury, including death, which may arise from operations under this contract, whether such operations be by himself or by any sub-contractor or anyone directly or indirectly employed by either of them. Such certificates shall be in form and substance reasonably acceptable to the Owner, shall indicate that, except in respect to workers compensation insurance coverage and professional errors and omissions, Owner is an additional insured with

respect to such coverage and shall indicate that such coverage is primary and not contributory with any similar insurance purchased by the Owner.

(b.) Indemnity

To the fullest extent permitted by laws, statutes rule and regulations, the Contactor shall indemnify and hold harmless The City, Engineer, Engineering's Consultants and the Officers, Directors, Employees, Agents and other Consultants of each and any of them from and against claims, costs, damages, losses , and expenses, including but not limited to all fees and charges of engineers, architects, attorneys and other professionals and all court costs, arising out of or resulting from performance of the work but only to the extent caused in whole or in part by negligent, reckless, willful and wanton, or wrongful acts, errors and omissions of the Contractor, its Officers, Directors, Employees Agents and anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such claim, cost, damage, loss, or expense is caused in part by a party indemnified hereunder, except that no party shall indemnify any other party or person for their own sole negligence. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity which would otherwise exist as to a party or person described in this paragraph. In as much possible, The Contractor shall be responsible for damages they may cause; unforeseen damages are the responsibility of the Contractor.

c) Performance Bond O.C.G.A 13-10-60

§ 13-10-40-Except otherwise stated,large public works contracts in excess of $100,000 a performance bond is required. The performance bond shall be for at least the total amount payable by the terms of the contract and shall be increased as the contract amount is increased.

§ 13-10-41 An irrevocable Letter of Credit may be accepted in the amount of and in lieu of the bond otherwise required under this article.

d) Comprehensive General Liability

The successful Proposer shall always exercise proper precaution for the protection and persons and property. The Proposer shall carry approved insurance from insurance companies authorized to do business in Georgia with an A.M. Best's rating of A+ or better with the following

minimums:

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1) General liability insurance of at least Five Hundred Thousand ($500,000) Dollars (Combined Single Limit per occurrence) and One Million (1,000,000) Dollar's aggregate:

2) Automobile liability insurance of at least Five Hundred Thousand (500,000) Dollars (Combined Single Limit per occurrence for bodily injury or property damage); and

3) Statutory Workers' Compensation Insurance as will protect Proposer or offeror from Workers' Compensation Acts.

Employers Liability:
Bodily Injury Accident - $100,000 Each Accident
Bodily Injury by Disease - $500,000 Policy Limit
Bodily Injury by Disease – $100,000 Each Employee

VI. Contract Cost And Price

The Contractor will be paid for the goods and services sold pursuant to the Contract in accordance with the Contract. Unless clearly stated otherwise in the solicitation, all prices are firm and fixed and are not subject to variation.

VII. Exemption of Taxes

The Contractor shall not charge The City directly for any sales or excise tax. The City is exempt from State Sales Tax. Tax Exemption Certificates indicating The City's tax-exempt status will be furnished upon request. The Contractor shall be responsible for any payment of sales, use, or excise tax. This exemption does not include materials purchased and used by a contractor for a construction project.

VIII. Method of Payment

Contractors shall provide their federal employer identification number on a standard W-9 form within 15 days after award in order not to delay payment. Contractors shall submit request for payment via directly via Invoice to:

The City of Fairburn
Attn: Finance Dept-Accounts Payable
56 Malone Street
Fairburn, Ga 30213

Upon inspection and review of the work, The City will render payment, less any retainage, if applicable, within thirty (30) days.

IX. Time is of the Essence. Time is of the essence with respect to the performance of the terms of the Contract.

X. Delays

If a delay is foreseen, The Contractor shall give ample notice to The City. The City has the right to extend the completion date if reasons appear, in the sole discretion of The City to be valid. The Contractor must keep The City advised at all times of status of order. Default in promised completion (without accepted reasons) or failure to meet specifications, authorizes The City to charge full increase in cost and handling to the defaulting Contractor to completion in the amount of 5% of the total cost of the project for each additional week until completion. In the event delays constitute a partial week, the penalties will be prorated per day.

XI. Liquidated Damages

SUPPLIES, SERVICES, OR RESEARCH AND DEVELOPMENT 48 CFR § 52.211-11

(a) If the Contractor fails to deliver the finished models, drawings, plans or perform the services within 730 days, the term of this contract, the Contractor shall, in place of actual damages, pay to the Government liquidated damages of $100.00 per calendar day of delay.

(b) If the Government terminates this contract in whole or in part under the Fixed-Price Supply and Service clause, the Contractor is liable for liquidated damages accruing until the Government reasonably obtains delivery or performance of similar models, drawings, plans or services. These liquidated damages are in addition to excess costs of repurchase under the Termination clause.

(c) The Contractor will not be charged with liquidated damages when the delay in delivery or performance is beyond the control and without the fault or negligence of the Contractor as defined in the Fixed-Price Supply and Service clause in this contract.

d) Force Majeure.
The Contractor(s) and or Sub-Contractor(s) will be excused from responsibilities should any unforeseen, circumstances arise that are beyond the reasonable direct or indirect control and hinders completion of the Contractor's and or Sub-Contractor's performance Neither party shall be liable for labor strikes, riots, wars, acts of governmental authorities preventing performance, extraordinary weather conditions or other natural catastrophe, or any other cause beyond the reasonable control.

XII. Termination

Subject to the provisions below, The Contract may be terminated by The City upon thirty (30) days advance written notice to the other party; but if any work or service hereunder is in progress, but not completed as the date of termination, then the Contract may be extended upon written approval of The City until said work or services are completed and accepted.

1) Termination for Convenience---The City may terminate this Contract at any given time in which case the parties shall negotiate reasonable termination costs.
2) Termination for Cause—In the event of Termination for Cause, the thirty (30) days advance notice is waived, and the Contractor shall not be entitled to termination costs.
3) Upon receipt of notice of termination or upon request of the City, the Contractor shall cease work under the Contract and take all necessary or appropriate steps to limit disbursements and minimize costs. Contractor shall immediately cease using and return to the City any personal property or materials, whether tangible or intangible, provided by the City to the Contractor. Further, the Contractor shall immediately return to the City any payments made by the City for goods and services that were not delivered or rendered by the Contractor.

XIII. Severability

If any provision of this contract shall be adjudged or decreed to be invalid, such ruling shall not invalidate the entire Agreement but, shall pertain only to the provision in question and the remaining provision shall continue to be valid, binding and in full force and effect.

XIV. Patent/Copyright Infringement indemnification

Contractor shall, at its own expense, be entitled to and shall have the duty to participate in the defense of any suit instituted against the City, and its officers, employees, agents and volunteers (collectively, the “Indemnified Parties”) and indemnify the Indemnified Parties against any award of damages and costs made against the Indemnified Parties by a final judgment of a court of last resort in such suit insofar as the same is based on any claim that any of the goods and/or services constitutes an infringement of any United States Letters Patent, trademark, trade dress, copyright or other intellectual property right, provided the City gives the Contractor immediate notice in writing of the institution of

such suit (except that failure to give immediate notice shall not limit Contractor’s obligations hereunder except to the extent Contractor is prejudiced thereby), permits Contractor to fully participate in the defense of the same, and gives Contractor all available information, assistance and authority to enable Contractor to do so. Subject to approval of the Attorney General of the State of Georgia, the State Entity shall tender defense of any such action to Contractor upon request by Contractor. Contractor shall not be liable for any award of judgment against the Indemnified Parties reached by compromise or settlement unless Contractor accepts the compromise or settlement. Contractor shall have the right to enter into negotiations for and the right to effect settlement or

compromise of any such action, but no such settlement shall be binding upon the City unless approved by
the City.
In case any of the goods and/or services is in any suit held to constitute infringement and its use is enjoined,
Contractor shall, at its option and expense:
(i) Procure for the City the right to continue using the goods and/or services.
(ii) Replace or modify the same so that it becomes non-infringing; or
(iii) Remove the same and cancel any future charges pertaining thereto.
Contractor, however, shall have no liability to the City if any such infringement claim is based upon or arises
out of:
(i) Compliance with designs, plans or specifications furnished by or on behalf of the City as to the
goods and/or services.
(ii) Use of the goods and/or services in combination with apparatus or devices not supplied by Contractor.
(iii) Use of the goods and/or services in a manner for which the same was neither designed nor
contemplated; or
(iv) The claimed infringement of any patent or copyright in which the City or any affiliate or
subsidiary of the City has any direct interest by license or otherwise.
The indemnification obligation of the Contractor shall survive termination of the Contract

XV. Obligations Beyond Contract Term. The Contract shall remain in full force and effect to the end of the specified term or until terminated or canceled pursuant to the Contract. All obligations of the Contractor incurred or existing under the Contract as of the date of expiration, termination or cancellation will survive the termination, expiration or conclusion of the Contract

XVI. Transition Cooperation with other Contractors. Contractor agrees that upon termination of this Contract for any reason, it shall provide sufficient efforts and cooperation to ensure an orderly and efficient transition of services to the City or another contractor. The

Contractor shall provide full disclosure to the City and the third-party contractor about the equipment, software, or services required to perform services for the City. The Contractor shall transfer licenses or assign agreements for any software or third-party services used to provide the services to the City or to another contractor

Applicable Laws

This Contract shall be governed in all respects by the laws of the State of Georgia.

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Section 3.00 Requirements

Section 3.01 Instructions for Offerors

For this project, the Contractor will be required to provide A&E (Architecture and Engineering) plans, drawings and specifications showing all dimensions drawn to current design standards and he required plans in order for the Contractor to apply and comply with permits.

The Contractor will provide all necessary equipment, materials and resources needed to complete the work, including but not limited to those items needed to complete the design and produce the 100% construction documents.

There will be a Pre-Proposal meeting and Site Visit for this solicitation.

The Pre-Proposal Meeting and Site Visit shall be scheduled for Tuesday August 23, 2022, for prospective offerors.

In submitting your bid, you must comply with the instructions found herein. Any technical questions regarding this RFP may be directed, by email only to: procurement@fairburn.com. Questions must be submitted by Tuesday, September 06,2022 by 2:00pm Eastern Standard Time. Reference RFP# and RFP title in the subject field.

Proposals must be submitted in a closed packet with the RFP Title and RFP number clearly marked on the outside of the packet. Submit five (5) of copies of your proposal by Friday, September 09,2022 by 03:00 pm Eastern Standard Time. Submit the original document,as of the five submissions, clearly marked original on title page. The proposal document must be submitted in a 3-prong folder. All responses to the RFP shall be submitted to:

The City of Fairburn
56 Malone Street
Fairburn, Georgia 30213
Attn: Anquinas Woods

Solicitation Schedule:

Pre-Proposal Meeting ----------08/23/2022 @ 10:00am
Location ---------- Fairburn City Hall
56 Malone St Fairburn, Ga.30213

Site Visit ----------08/23/2022@ 10:30am Location ----------Fire Station #23
5650 Milam Rd
Fairburn, Ga. 30213

Deadline for questions----------09/06/2022 by 02:00pm est
Solicitation Available----------08/09/2022 -09/09/2022 by 3:00 pm est
Evaluation 21 days---------- 09/09/2022 to 09/30/2022
Notice of Award----------10/01/2022 at 12:00pm
Protest filings----------09/29/2022 to 10/05/2022 by 5:00pm
Stand Still Period----------10/02/2022 -10/12/2022
Debriefing----------10/15/2022

The services shall be rendered for the duration of the contract term, seven hundred and thirty (730) days,
The Contract with the successful Proposer will contain the following the conditions:

Section 3.02 Requirements

Minimum Requirements:

- Contractor must hold a current and valid business license within the municipality where the home office is located.
- Contractor must submit documentation that demonstrates it is duly authorized to conduct business in the City of Georgia with its bid. This requirement also applies to Joint Venture (JV) Team members, Sub-consultants, and Sub-Proponents. Certificate of Authority to Transact Business in Georgia
- Preparation of final design plans and specifications.
- Securing of all necessary permits and clearances as applicable to follow City and federal mandates.
- The Contractor shall have at least 10 years' experience in specified areas of work, City in the RFP and attachments.
- Comprehensive A & E plans, including cost estimates
- The proposal shall include the pricing per the attached fee schedule in Exhibit A, refer to Section 3.03 Forms and Affidavits
- References
- Examples of previous similar work

Preferred Requirements

- A Firm that has both licensed architect and engineering services on staff. The City will not disqualify a firm that has an active subcontract for services not directly offered by their firm. The City will allow joint venture and firms with a 10-year standing agreement with their partnerships and subcontractors. Consultants who plan to sublet any of the required services of a project contained in this RFP shall include the name of the company(ies) and description of project services that may be potentially sublet.

INSTRUCTIONS TO OFFERORS

- Please complete and include the following information:
    - Supplier's Name:
    - Physical Location Address:
    - Federal Identification Number (FEI):
    - Have you ever been registered in the State of Georgia?
    - If so, please provide the following information, if applicable:
- State Taxpayer Identification Number (STI):
- Sales and Use Tax Number:
- Withholding Tax Number:
    - What type of service will you perform?
    - Will you sell any tangible personal property or goods?
    - Supplier's Affiliate's Name:
- FEI:
- STI:
- Sales and Use Tax Number:
- Withholding Tax Number:
- If there is more than one affiliate, please attach a separate sheet listing the information above.
    - Person responsible for handling supplier's tax issues (such as the CFO, the company tax officer,
- etc.):
- Name:
- Telephone Number:
- E-mail Address:

NOTICE TO SUPPLIER:

In the event the supplier is considered for contract award, the information provided in the form will be
submitted by the City of Fairburn to the Georgia Department of Revenue ("DOR") for a determination as to whether the supplier is a "prohibited source" (as defined by O.C.G.A. §50-5-82) or whether there are any other outstanding tax issues**.**

MISSING, INCOMPLETE, OR ERRONEOUS DATA MAY DELAY OR PROHIBIT VERIFICATION OF YOUR ELIGIBILITY FOR CONTRACT AWARD. NO PROHIBITED SOURCE MAY RECEIVE CONTRACT AWARD: THEREFORE, YOU ARE STRONGLY ENCOURAGED TO CHECK YOUR TAX STATUS NOW AND RESOLVE ANY OUTSTANDING TAX LIABILITIES AND/OR MISSING TAX RETURNS

Forms and Affidavits

- Supplier Profile Sheet
- Exhibit Arch Pricing Fee Schedule
- Supplier Profile Sheet
- Certificate of Cost and Pricing Data
- W-9
- Tax Compliance
- Affidavits

  E-Verify Security and Immigration

  O.C.G.A. §13-10-91(b)(1) & O.C.G.A. §13-10-91(b)(3)
  - Contractor
  - Sub-Contractor
  - Non-Collusion

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Supplier Profile Worksheet -Bid Reference No._____

Company Name: _____
Address: _____
Telephone No.: _____
Email address: _____
Website: _____

Credit Reference Letter

Principal Officers:

- Name and contact details

Tax Information (Exemption status)

- Federal Tax ID or FEIN#
- State Tax ID or STI# If registered with the State of Georgia
- Sales and Use Tax Number: If registered with the State of Georgia
- Withholding Tax Number
- SAM/DUNS& Bradstreet# (if applicable)
- HUB/MBE/SDB/WBE status (if applicable)
- Insurance- COI (Certificate of Insurance)

Bank References:
Account Manager/Personal Banker

Business Credit Reference (Business that is relevant or demonstrative to the proposal or quote responding to)

Accounts Payable Information:
Address:
C/O:
Telephone no.:
Email address:

Ship To or Receiving Information:
Address:
C/O
Telephone no:
Email address:
Operating Hours:

***If there is more than one affiliate, please attach a separate sheet listing the information above

Fairburn
Situated to Succeed

Contractor Affidavit under O.C.G.A. § 13-10-91(b)(1)

The undersigned contractor ("Contractor") executes this Affidavit to comply with § 13-10-91 related to any contract to which Contractor is a party that is subject to § 13-10-91, attesting as follows:

a) The Contractor has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program.
b) The Contractor will continue to use the federal work authorization program throughout the contract period, including any renewal or extension thereof,
c) The Contractor will notify the public employer in the event of the Contractor ceases to utilize the federal work authorization program during the contract period, including renewals or extensions thereof,
d) The Contractor understands that ceasing to utilize the federal work authorization program constitutes a material breach of contract.
e) The Contractor will contract for the performance of services in satisfaction of each such contract only with subcontractors who present an affidavit to the Contractor with information required by O.C.G.A. § 13-10-91(a), (b) and (c).
f) The Contractor acknowledges and agrees that this Affidavit shall be incorporated into any contract(s) subject to the provisions of O.C.G.A. § 13-10-91 for the project listed below to which Contractor is a party after the date hereof without further action or consent by Contractor; and
g) Contractor acknowledges its responsibility to submit copies of any affidavits, drivers' licenses, and identification cards required pursuant to O.C.G.A. § 13-10-91 to the public employer within five business days of receipt.

_____ _____
Federal Work Authorization User Identification Number Date of Authorization

_____ _____
Name of Contractor Name of Project

_____
Name of Public Employer

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____ _____,20_____ in _____(city),_____(state)

_____
Signature of Authorized Officer or Agent

_____
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME
ON THIS THE_____DAY OF _____,20_____

_____
NOTARY PUBLIC
My Commission Expires _____

Fairburn
Situated to Succeed

Sub-Contractor Affidavit under O.C.G.A. § 13-10-91(b)(3)

The undersigned sub-contractor ("Sub-Contractor") executes this Affidavit to comply with § 13-10-91 related to any contract to which Contractor is a party that is subject to § 13-10-91, attesting as follows:

a) The Sub-Contractor has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program.

b) The Sub-Contractor will continue to use the federal work authorization program throughout the contract period, including any renewal or extension thereof,

c)The Sub-Contractor will notify the public employer in the event of the Contractor ceases to utilize the federal work authorization program during the contract period, including renewals or extensions thereof,

d)The Sub-Contractor understands that ceasing to utilize the federal work authorization program constitutes a material breach of contract.

e) The Sub-Contractor will contract for the performance of services in satisfaction of each such contract only with subcontractors who present an affidavit to the Contractor with information required by O.C.G.A. § 13-10-91(a), (b) and (c).

f) The Sub-Contractor acknowledges and agrees that this Affidavit shall be incorporated into any contract(s) subject to the provisions of O.C.G.A. § 13-10-91 for the project listed below to which Contractor is a party after the date hereof without further action or consent by Contractor; and

h) Sub-Contractor acknowledges its responsibility to submit copies of any affidavits, drivers' licenses, and identification cards required pursuant to O.C.G.A. § 13-10-91 to the public employer within five business days of receipt.

_____ _____
Federal Work Authorization User Identification Number | Date of Authorization

_____ _____
Name of Contractor | Name of Project

_____
Name of Public Employer

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on _____ _____,20_____ in _____(city),_____(state)

_____
Signature of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME
ON THIS THE_____DAY OF _____,20_____

_____
NOTARY PUBLIC
My Commission Expires _____

Form W-9 (Rev. October 2018) (irs.gov)

https://www.irs.gov/pub/irs-pdf/fw4.pdf4 (irs.gov)

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Supplier Profile Sheet (continued)

Company History:

Organization Chart:
Identify key Personnel
Provide resumes of of key staff planned to be assigned to this project.
Define those roles and the expectations:
Include time Commitment of Staff Assigned to this Project
***Attach if needed**

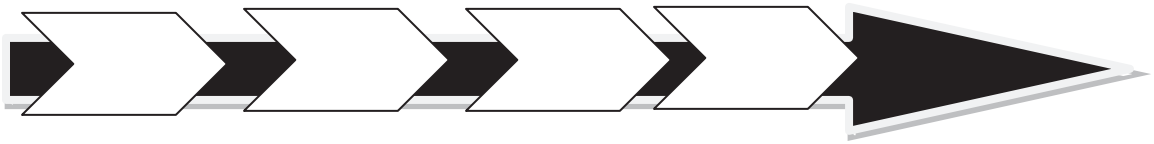
Prior Experience With Similar Projects:

Include pricing
***Attach if needed**

Prior Experience With Government
***Attach if needed**

References from prior customers: *Attach if needed

Project Time -Line: Deliverables:



Quality Control Procedures:

Customer Service Procedures:

Performance Measuring Capabilities and Procedures:

Reporting Capabilities:

Samples of Previous Work:
Attach if needed

NON-COLLUSION FORM

1. That the submitted response constitutes an offer, which when accepted in writing by the City, and subject to the terms and conditions of such acceptance, will constitute a valid and binding contract between the undersigned and the City and
2. That the supplier has read the specifications and requirements shown or referenced in the solicitation and that the supplier's response is made in accordance with the provisions of such specifications and requirements except as expressly stated otherwise in the supplier's response; and
3. That the supplier guarantees and certifies that all items included in the supplier's response meet or exceed any and all such stated specifications and requirements of the solicitation except as expressly stated otherwise in the supplier's response; and
4. That, if awarded a contract, the supplier will deliver goods and/or services that meet or exceed the specifications and requirements of the solicitation except as expressly stated otherwise in the supplier's response; and
5. That the response submitted by the supplier shall be valid and held open for a period of **one hundred and twenty (120) days (or such other time period as identified in the solicitation)** from the final solicitation closing date and that the response may be held open for an additional period of time subject to the supplier's consent; and
6. That the supplier's response is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a response for the same materials, supplies, equipment, or services and is in all respects fair and without collusion or fraud. The supplier understands and agrees that collusive bidding is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards; and
7. That the provisions of the Official Code of Georgia Annotated, Sections 45-10-20 et seq. have not been violated and will not be violated in any respect.

DO NOT MODIFY THE BID/PROPOSAL CERTIFICATION TERMS IN ANY WAY. THIS FORM MUST BE COMPLETED, SIGNED AND SUBMITTED WITH YOUR RESPONSE.

Contractor's Full Legal Name: (PLEASE TYPE OR PRINT)	
Authorized Signature:	
Printed Name and Title of Person Signing:	
Date:	
Company Address:	
FAX Number:	
Email Address:	
***This table must be completed in its entirety by the supplier.**	

Exhibit A – ARCH FEE SCHEDULE

	Site Plan Study	Programming	Conceptual Design	Schematic Design (15%)	Design Development (40%)	Construction Documents (40%)	Permitting	Bidding and Negotiation	Construction Administration	Commissioning	Totals
Project Management											
Architectural and Interior Design											
Mechanical											
Electrical											
Plumbing											
Fire Protection											
Structural											
Civil											
Survey/ Geotechnical/ Environmental											
Landscaping											
Security/AV/IT											
FF&E											
Cost Estimating											
Grand Total											

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Subsurface Exploration and Geotechnical Engineering Evaluation
Fairburn Fire Station – Milam Road
Milam Road
Fairburn, Georgia
Greencastle Project No. 7147

GREENCASTLE ENGINEERING, INC.
P.O. BOX 2114
PEACHTREE CITY, GEORGIA 30269
(678) 360-6909

March 25, 2020

J.R. Bowman Construction Company
1605 South Zach Hinton Parkway
McDonough, Georgia 30253

Attention: Mr. Andy Howard

Subject: **Subsurface Exploration & Geotechnical Engineering Evaluation**
Fairburn Fire Station – Milam Road
Milam Road
Fairburn, Georgia
Greencastle Project No. 7147

Gentlemen:

Greencastle Engineering, Inc. (Greencastle) is pleased to provide this report of a subsurface exploration and geotechnical engineering evaluation for the referenced project. This exploration was conducted in general accordance with Greencastle Proposal Number 20-010 dated February 21, 2020.

The purpose of the exploration was to obtain general subsurface data so that we could evaluate feasible foundation systems, general earthwork procedures, and potential excavation problems. This report presents our understanding of the project, the subsurface conditions encountered, and recommendations for general earthwork procedures, excavation conditions, foundations and slabs.

Greencastle appreciates the opportunity to be of service to you on this project. If you have any questions concerning this report, please contact us.

Respectfully submitted,

Greencastle Engineering, Inc.

Ernie Green
Project Engineer

GEORGIA REGISTERED No. 23817 PROFESSIONAL ENGINEER 08/25/20 GREG A WOMBOUGH

Greg A. Wombough, P.E.
Senior Registered Engineer
GA. Reg. No. 23817

TABLE OF CONTENTS

APPENDIX

REPORT OVERVIEW

The following summary provides an overview of our findings. Design recommendations are presented in the report text.

1. Five soil test borings were performed in the building area. The soil test borings encountered topsoil and residual soils to the termination depths of 20 feet.

2. No partially weathered rock or refusal was encountered in the soil test borings to their termination depths of 20 feet.

3. Excavations in the residual soils can be accomplished using conventional heavy earthmoving equipment such as dozers and large tracked excavators.

4. Groundwater was encountered in all of the soil test borings at 8 to 10 feet in depth at the completion of drilling.

5. The residual soils encountered are suitable for use as structural fill.

6. The proposed fire station building can be supported on shallow foundations bearing on the residual soils or new structural fill. A net allowable soil bearing pressure of 2,000 pounds per square foot (psf) may be used for design of the foundations for the proposed fire station building.

PROJECT INFORMATION

Our understanding of the project is based upon a review of a concept plan prepared by Land Engineering dated March 13, 2020. We understand that a new fire station with associated parking and driveway areas will be constructed to the south of Milam Road and to the east of Highway 74 in Fairburn, Georgia. The fire station will encompass approximately 9,750 square feet and will be a one to two story structure. The building will be structural steel framed. We anticipate that maximum cuts and fills will be on the order of 10 feet or less to achieve finished grades on the property. We anticipate that maximum column loads will be on the order of 125 kips and maximum wall loads will be on the order of 3 kips per linear foot. A detention pond will be constructed in the southeastern portion of the property. No other details of construction have been provided at this time.

EXPLORATION AND TESTING PROCEDURES

The site was explored by a combination of a visual site reconnaissance and the performance of five soil test borings, designated as B-1 through B-5. The soil test borings were performed in the proposed building pad area.

The borings were located on site by pacing and estimating directions from the existing site features shown on the concept plan. The boring locations are shown on the *Boring Location Plan* in the Appendix. The locations should be considered approximate. The boring locations

were marked in the field and we recommend they be surveyed for more accurate horizontal and vertical location and for future use.

The soil test borings were advanced by twisting continuous hollow stem auger flights into the ground with a Dietrich D-50 drill rig. At selected intervals, Standard Penetration Testing (SPT) was performed in general accordance with ASTM D-1586 and soil samples were collected for visual classification. The results of the SPT, when properly evaluated, provide an indication of the relative consistency of the soil being sampled, the potential for difficult excavation, and the soil's ability to support loads. After the borings were completed, they were checked for the presence of groundwater and were then backfilled with the auger cuttings. A more detailed description of the drilling and sampling process is included in the Appendix.

Soil samples recovered during the drilling process were returned to our office where they were classified by a member of our engineering staff. Detailed descriptions of the materials encountered at each boring location, along with results of the SPT are shown on the Soil Boring Records in the Appendix of this report.

SITE AND SUBSURFACE CONDITIONS

Site Conditions

The site is located along the south side of Milam Road, approximately 0.20 miles east of its intersection with Highway 74 in Fairburn, Georgia. The property is open grassed pasture land with a gravel drive in the central portion. The property slopes gradually downward to the southeast from Milam Road.

Area Geology

The site is located in Georgia's Piedmont Physiographic Province. The residual soils in the Piedmont are the result of the chemical and physical weathering of the underlying parent metamorphic and igneous rock. A common soil profile usually consists of fine grained clayey silts and silty clays near the surface, where weathering is more advanced. With depth, less clayey, coarser grained soils such as sandy silts and silty sands with varying mica content are encountered. Separating the completely weathered soil overburden from the unaltered parent rock is a transition zone of very high consistency weathered rock locally referred to as Partially Weathered Rock (PWR). Partially weathered rock is arbitrarily defined as residual soils with Standard Penetration Resistances in excess of 100 blows per foot (50 blows per 6 inches).

Subsurface Conditions

The soil test borings encountered topsoil and Piedmont residual soils. The soil test borings initially encountered a topsoil layer measuring 4 inches in thickness. Beneath the topsoil layer, the soil test borings encountered residual soils to the termination depths of 20 feet. The residual soils consisted of silty sands. Standard Penetration Test (SPT) values (N-values) ranged from 5 to 9 blows per foot (bpf) in the residual soils.

No partially weathered rock or refusal was encountered in the soil test borings to their termination depths of 20 feet.

Groundwater was encountered in all of the soil test borings at 8 to 10 feet at the completion of drilling. It should be expected that the groundwater levels will fluctuate due to several factors, such as variations in precipitation and site development activities. Therefore, groundwater may be encountered at different elevations in the future.

LIMITATIONS OF CONCLUSIONS AND RECOMMENDATIONS

This evaluation of the geotechnical aspects of the proposed design and construction has been based on our understanding of the project and the data obtained during this study. The general subsurface conditions used in our evaluation were based on interpolation of the subsurface data between the soil test borings. Regardless of the thoroughness of a subsurface exploration, there is the possibility that conditions will differ between soil test borings, that conditions are not as anticipated by the designers, or that the construction process has modified the soil conditions.

The recommendations contained in this report have been developed on the basis of the previously described project characteristics and subsurface conditions. If project criteria change, we should be permitted to determine if the recommendations should be modified. The findings of such a review will be presented in a supplemental report. Even after completion of a subsurface study, the nature and extent of variation between borings may not become evident until the course of construction. If such variations then become evident, it will be necessary to reevaluate the recommendations of this report after on-site observations of the conditions.

These professional services have been performed, the findings derived, and recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all warranties either expressed or implied. This company is not responsible for the conclusions, opinions or recommendations of others based on these data.

CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are based on the data gathered during this exploration, our understanding of the proposed construction, our experience with similar site and subsurface conditions and generally accepted principles and practices of geotechnical engineering. Should the proposed construction change significantly from that described in this report, we request that we be advised so that we may amend these recommendations accordingly. This report, and the conclusions and recommendations provided herein, are provided exclusively for the use of J.R. Bowman Construction Company and their design professionals and is intended solely for design of the referenced project.

Earthwork Recommendations

The majority of the soils encountered at the site are sandy and silty, moisture-sensitive, and will erode readily if exposed. When exposed to excessive moisture, the workability and strength of these type soils deteriorates significantly and construction delays may result. Surface water

management will be an important component of construction. We recommend that construction grades be maintained throughout this project in such a manner to establish positive drainage away from working surfaces and subgrades. Vehicular traffic should be avoided or minimized where possible.

The initial step in site preparation should be the stripping of topsoil. Topsoil stripping should extend 10 feet beyond planned construction limits. Topsoil should be stockpiled outside of structural areas and may be reused as landscaping materials or hauled off-site.

After the stripping of topsoil, the subgrade soils should be evaluated within at-grade areas and areas to receive fill. This evaluation should include proofrolling the subgrade with a fully loaded tandem axle dump truck (20 tons) during a period of dry weather and under the observation of the geotechnical engineer. Any areas which "pump" or "rut" excessively under the weight of the proofrolling vehicle should be further evaluated and may require undercutting or other remediation. Proofrolling can occasionally detect pits where stumps or other debris may have been buried, or other areas where weak surface conditions exist.

As noted, excavations and fills of 10 feet or less are anticipated for achieving finished grades on the property. Shallow groundwater was encountered in all of the soil test borings at 8 to 10 feet. Should grading activities encroach upon the groundwater table or wet soils are encountered during grading or utility installation operations, stabilization measures such as stone bedding for utilities and/or French drains beneath the proposed fire station building and parking and driveway locations may be necessary. Any wet soils that are encountered will require drying measures prior to being utilized as new structural backfill.

After subgrade evaluations are complete, the site can be brought to final grades by excavation or structural fill placement. Excavations within the residual soils can be accomplished using conventional heavy earthmoving equipment such as dozers and large tracked excavators.

We recommend that all soils used as structural fill be classified as SM, SC, CL, and ML according to the Unified Soil Classification system. Structural fill should be compacted to at least 95 percent of the soil's standard Proctor maximum dry density, as determined by ASTM standard D-698. The upper foot of fill which will support pavements or slabs should be compacted to at least 98 percent of the soil's standard Proctor maximum dry density for improved support. In areas which are at or above the finished grade, and which will support pavements or slabs, the upper 8 inches immediately below these systems should be scarified and recompacted to the 98 percent criteria. Structural fill should be free of organic material, have a plasticity index (PI) less than 20, and contain rock sizes no larger than 4 inches.

Moisture control of the soils reused as structural fill may be necessary, primarily depending on the weather conditions at the time of construction.

In sloped areas, structural fill should extend horizontally beyond the outer edge of the building foundations at least 10 feet or a distance equal to the height of the fill to be placed, whichever is greater, prior to sloping. In paved areas, fill slopes should extend at least five feet beyond the edge of pavement prior to sloping.

Density testing should be performed by a soils technician to determine the degree of compaction and verify compliance with the project specifications. In structural areas, at least one field density test should be made per 3,000 square feet of fill area for each two-foot lift. Testing frequency should be increased in confined areas. Areas which do not meet the compaction specifications should be recompacted to achieve compliance. In confined areas, such as utility trenches, the use of portable compaction equipment and thin lifts of 3 to 4 inches may be required to adequately achieve the compaction requirements.

Foundation Recommendations

The proposed fire station building can be supported on shallow foundations bearing on the residual soils or new structural fill. A net allowable soil bearing pressure of 2,000 pounds per square foot (psf) may be used for design of the foundations for the proposed fire station building.

Foundations should be designed with minimum foundation widths of 24 inches and 18 inches for individual column and strip footings, respectively, to preclude the possibility of localized soil bearing failures. All exterior foundations should bear at least 12 inches below external grades to prevent frost damage.

All foundation excavations should be evaluated by a geotechnical engineer, who will verify that the design bearing pressure is available intermediate of the boring locations, and that foundations are not immediately underlain by undesired conditions. If the engineer finds localized conditions unsatisfactory to support the recommended soil bearing pressure below an individual foundation, they should be undercut.

Where undercutting of the foundations is needed, the undercut excavation should be backfilled with structural fill, compacted aggregate, or concrete. The structural fill should be compacted to a density equal to at least 95 percent of the soils standard Proctor maximum dry density. If structural fill is used to backfill the undercut areas, the excavations should be widened horizontally a distance equal to one-half the depth of undercutting prior to fill placement. The aggregate may either be well compacted ASTM C-33 designation No. 57 clean graded aggregate or crusher run aggregate compacted to at least 95 percent of the standard Proctor (ASTM D-698) maximum dry density. Clean graded aggregate (No. 57) may be desirable since it can be placed immediately after undercutting is complete with minimal compaction effort and is not as sensitive to climatic conditions as other backfill options.

Exposure to the environment may weaken the soils at the foundation bearing level if the foundation excavations remain open for long periods of time. Therefore, we recommend that, once a foundation excavation is extended to final grade, it should be constructed as soon as possible to minimize the potential damage to bearing soils. The foundation bearing area should be level or benched and free of loose soil, ponded water, and debris. Foundation concrete should not be placed on soils that have been disturbed by seepage. If the bearing soils are softened by surface water intrusion or exposure, the softened soils must be removed from the foundation excavation bottom immediately prior to placement of concrete. If the excavation must remain open overnight or if rainfall becomes imminent while the bearing soils are exposed, we

recommend that a two to four inch thick "mud mat" of "lean" (2,000 psi minimum compressive strength) concrete be placed on the bearing soils before the placement of reinforcing steel for protection.

Floor Slab Recommendations

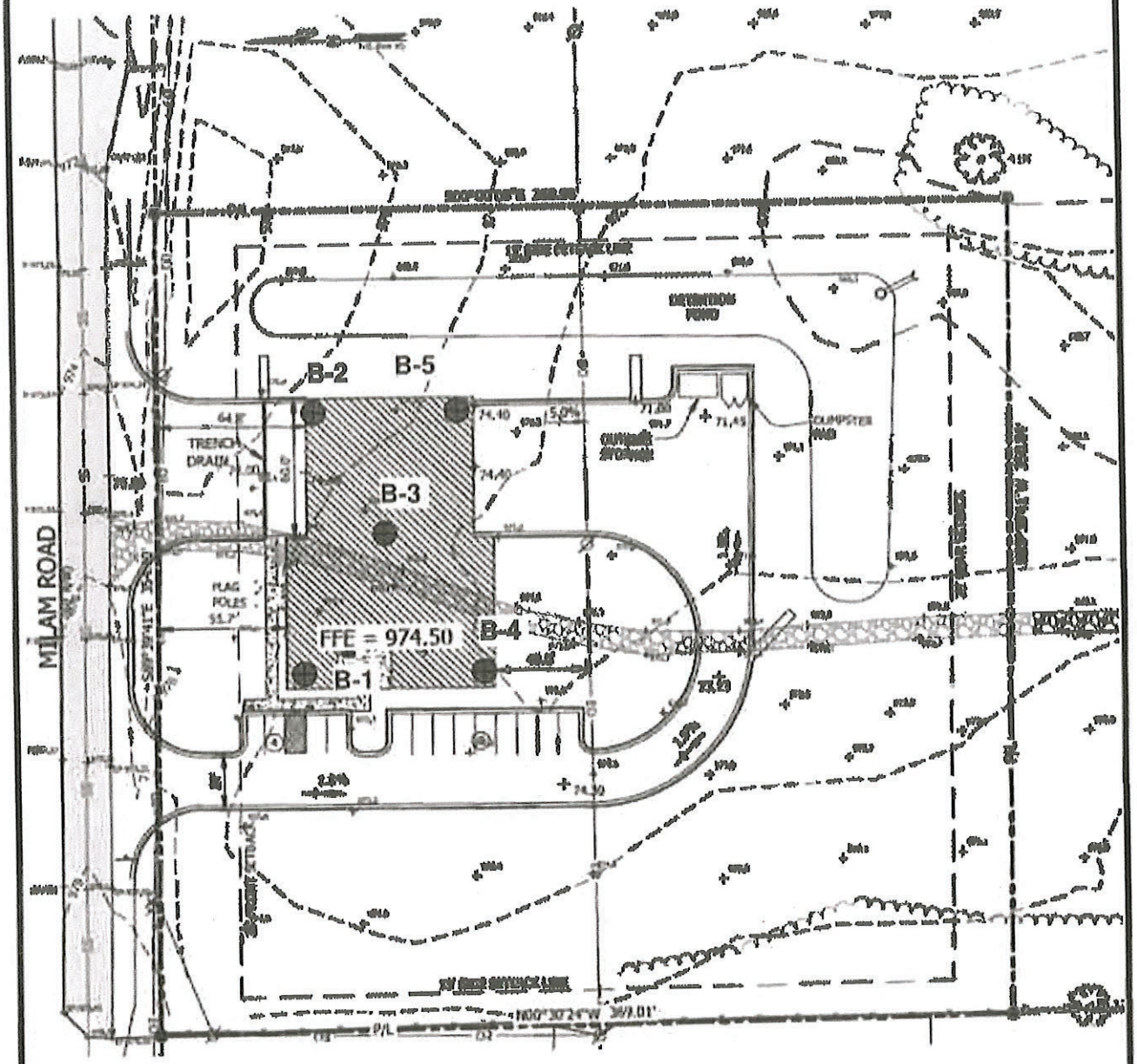
The floor slab may be soil supported on the residual soils or new structural fill. Groundwater was encountered in all of the soil test borings at the completion of drilling, therefore, an underslab crushed stone drainage layer is recommended. We recommend that a vapor barrier be included beneath all soil supported floor slab areas that are to receive moisture sensitive coverings.

Slab subgrade soils are often disturbed after final grading due to ongoing construction activities and weather conditions and as a result lose their support capabilities. We recommend that slab subgrades that have been disturbed be proofrolled immediately prior to construction of the slab. Proofrolling consists of traversing the subgrade with a fully loaded tandem axle dump truck (20 tons) during a period of dry weather and under the observation of the geotechnical engineer. Additionally, any excavations through the subgrade soils (such as utility trenches) should be properly backfilled with structural fill. Recompaction of subgrade surfaces and compaction of backfill should be checked with a sufficient number of density tests to determine if adequate compaction is being achieved.

Temporary and Permanent Slopes

Permanent and temporary slopes may be used to accommodate grade changes. If temporary slopes are used, they should be constructed no steeper than 1.5H:1V for slopes less than 15 feet high. All OSHA guidelines should be followed for temporary slopes. Permanent slopes should be constructed no steeper than 2H:1V if they are less than 15 feet in height. We recommend that a slope stability analysis be performed on all slopes taller than 15 feet. These recommendations are based on experience with similar conditions and no detailed slope stability analyses have been performed. Buildings should be set back at least 10 feet from the top of slopes and a minimum of 5-foot setback from the top of slopes is considered sufficient for pavement areas. All finished slopes should be suitably protected from erosion.

APPENDIX



● Approximate Boring Location B-#

Boring Location Plan

Greencastle Engineering, Inc.
PO Box 2144
Peachtree City, Georgia 30269

Project: Fairburn Fire Station – Milam Road
Location: Milam Road, Fairburn, Ga.
Date: 3/24/2020
Project No: 7147

SOIL TEST BORING PROCEDURES (ASTM D 1586)

The soil test borings were advanced by twisting continuous auger flights into the ground. At selected intervals, soil samples were obtained by driving a standard 1.4 inch I.D., 2.0 inch O.D., split tube sampler into the ground. The sampler was initially seated six inches to penetrate any loose cuttings created in the boring process. The sampler is then driven an additional 12 inches by blows of a 140 pound "hammer" falling 30 inches. The number of blows required to drive the sampler the final foot is designated the Standard Penetration Resistance.

The samples recovered were sealed and were transported to the office where they were classified by an engineer.

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE CONSISTENCY

Sand and Gravel

Standard Penetration Resistance Blows / Foot	Relative Consistency
0 - 4	Very Loose
5 - 10	Loose
11 - 20	Firm
21- 29	Very Firm
30 - 50	Dense
Over 50	Very Dense

Silt and Clay

Standard Penetration Resistance Blows / Foot	Relative Consistency
0 - 1	Very Soft
2 - 4	Soft
5 - 8	Firm
9 - 15	Stiff
16 - 30	Very Stiff
31 - 50	Hard
Over 50	Very Hard

BORING NUMBER B-1

Greencastle Engineering, Inc.
P.O. Box 2114
Peachtree City, Georgia 30269

CLIENT J.R. Bowman Construction Company
PROJECT NUMBER 7147
DATE STARTED 3/19/20 **COMPLETED** 3/19/20
DRILLING CONTRACTOR Independence Drilling, Inc.
DRILLING METHOD Hollow Stem Auger 2"
LOGGED BY EG **CHECKED BY** GW
NOTES

PROJECT NAME Fairburn Fire Station - Milam Road
PROJECT LOCATION Milam Road, Fairburn, Georgia
GROUND ELEVATION **HOLE SIZE** 2.25 Inches
GROUND WATER LEVELS:
AT TIME OF DRILLING 8.00 ft
AT END OF DRILLING —
AFTER DRILLING —

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Topsoil - 4"										
		Residuum: Loose gray and tan silty fine to medium SAND, moist (SM)	SPT		3-3 (6)							
			SPT		4-3 (7)							
5		▽										
			SPT		3-3 (6)							
10												
		Loose brown, tan and white silty fine to medium SAND (SM)	SPT		3-3 (6)							
15												
			SPT		2-3 (5)							
20												

Borehole terminated at 20.0 feet.

BORING NUMBER B-2

Greencastle Engineering, Inc.
P.O. Box 2114
Peachtree City, Georgia 30269

CLIENT J.R. Bowman Construction Company
PROJECT NUMBER 7147
DATE STARTED 3/19/20 COMPLETED 3/19/20
DRILLING CONTRACTOR Independence Drilling, Inc.
DRILLING METHOD Hollow Stem Auger 2"
LOGGED BY EG CHECKED BY GW
NOTES

PROJECT NAME Fairburn Fire Station - Milam Road
PROJECT LOCATION Milam Road, Fairburn, Georgia
GROUND ELEVATION HOLE SIZE 2.25 Inches
GROUND WATER LEVELS:
▽ AT TIME OF DRILLING 10.00 ft
AT END OF DRILLING —
AFTER DRILLING —

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Topsoil - 4"										
		Residuum: Loose brown and tan silty fine to medium SAND (SM)	SPT		3-4 (7)							
			SPT		3-3 (6)							
5												
		Loose gray, tan and white silty fine to medium SAND, wet (SM)	SPT		4-4 (8)							
10	▽											
			SPT		3-3 (6)							
15												
		Loose tan and white silty fine to medium SAND, moist (SM)	SPT		4-3 (7)							
20												

Borehole terminated at 20.0 feet.

BORING NUMBER B-3

Greencastle Engineering, Inc.
P.O. Box 2114
Peachtree City, Georgia 30269

CLIENT J.R. Bowman Construction Company
PROJECT NUMBER 7147
DATE STARTED 3/19/20 **COMPLETED** 3/19/20
DRILLING CONTRACTOR Independence Drilling, Inc.
DRILLING METHOD Hollow Stem Auger 2"
LOGGED BY EG **CHECKED BY** GW
NOTES

PROJECT NAME Fairburn Fire Station - Milam Road
PROJECT LOCATION Milam Road, Fairburn, Georgia
GROUND ELEVATION **HOLE SIZE** 2.25 Inches
GROUND WATER LEVELS:
AT TIME OF DRILLING 8.00 ft
AT END OF DRILLING —
AFTER DRILLING —

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Topsoil - 4"	SPT		3-2 (5)							
		Residuum: Loose brown and tan silty fine to medium SAND (SM)										
			SPT		4-4 (8)							
5												
		Loose gray and tan silty fine to medium SAND, wet (SM)	SPT		3-2 (5)							
10												
		Loose brown, tan and gray silty fine to medium SAND, moist (SM)	SPT		2-3 (5)							
15												
			SPT		3-3 (6)							
20												

Borehole terminated at 20.0 feet.

BORING NUMBER B-4

Greencastle Engineering, Inc.
P.O. Box 2114
Peachtree City, Georgia 30269

CLIENT J.R. Bowman Construction Company
PROJECT NUMBER 7147
DATE STARTED 3/19/20 **COMPLETED** 3/19/20
DRILLING CONTRACTOR Independence Drilling, Inc.
DRILLING METHOD Hollow Stem Auger 2"
LOGGED BY EG **CHECKED BY** GW
NOTES

PROJECT NAME Fairburn Fire Station - Milam Road
PROJECT LOCATION Milam Road, Fairburn, Georgia
GROUND ELEVATION **HOLE SIZE** 2.25 inches
GROUND WATER LEVELS:
AT TIME OF DRILLING 8.00 ft
AT END OF DRILLING —
AFTER DRILLING —

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Topsoil - 4"										
		Residuum: Loose brown, tan and white silty fine to medium SAND (SM)	SPT		3-2 (5)							
			SPT		3-3 (6)							
5												
		Loose gray and tan silty fine to medium SAND, moist to wet (SM)	SPT		2-4 (6)							
10												
			SPT		4-3 (7)							
15												
		Loose brown and tan silty fine to medium SAND (SM)	SPT		3-2 (5)							
20												

Borehole terminated at 20.0 feet.

BORING NUMBER B-5

Greencastle Engineering, Inc.
P.O. Box 2114
Peachtree City, Georgia 30269

CLIENT J.R. Bowman Construction Company
PROJECT NAME Fairburn Fire Station - Milam Road
PROJECT NUMBER 7147
PROJECT LOCATION Milam Road, Fairburn, Georgia
DATE STARTED 3/19/20 **COMPLETED** 3/19/20
GROUND ELEVATION _____ **HOLE SIZE** 2.25 Inches
DRILLING CONTRACTOR Independence Drilling, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger 2"
▽ **AT TIME OF DRILLING** 8.00 ft
LOGGED BY EG **CHECKED BY** GW
AT END OF DRILLING —
NOTES _____
AFTER DRILLING —

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Topsoil - 4"										
		Residuum: Loose brown and tan silty fine to medium SAND (SM)	SPT		3-3 (6)							
			SPT		4-5 (9)							
5												
		▽ Loose gray and tan silty fine to medium SAND, wet (SM)	SPT		2-3 (5)							
10												
			SPT		2-3 (5)							
15												
		Loose gray and white silty fine to medium SAND (SM)	SPT		3-5 (8)							
20												

Borehole terminated at 20.0 feet.

EXHIBIT C- Hourly Rates

Category	Hourly Rates
Project Manager	
Principal	
Associate	
Senior Engineer	
Engineer	
Designer	
CADD Operator	
Administrative	
Site Visit	

EXHIBIT D- EVALUATION CRITERIA

Management Firm/Staff Qualifications	**20%**
Experience- Similar Clients/Contracts	**15%**
Past Performance	**15%**
Technical Response/Project Understanding	**20%**
Price	**20%**
Economically Disadvantaged Firm Participation	**10%**
Total	

RFP NO. 22-015 Design Scope City of Fairburn Fire Station #23
5650 Milam RD Fairburn, Ga 30213

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