AMIRI ENGINEERING CORP.
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June 10, 2024

Mr. Gerald Smith, Facilities Director
The City of Madison
100 Hughes Road
Madison, Alabama 35758

Subject: Proposal to Provide Subsurface Exploration and Geotechnical Report
Proposed Outfield Building; Toyota Field, Madison, Alabama
AMIRI Proposal No. P244598

Dear Mr. Smith:

Thank you for this opportunity to submit the following proposal for subsurface Exploration and Geotechnical Engineering Services for the subject project. In this proposal we have outlined the following:

- Our understanding of the project.
- Work scope.
- Budget based on the work scope.
- Schedule for work completion.

1.0 PROJECT AND SITE DESCRIPTION

Based on the information prepared by Structural Design Group and furnished to us by Mr. Gerald Smith, we understand that the proposed structure will be situated to the east of the existing Toyota Field, and will be designed as a four-story outfield building that will be constructed in two (2) phases. During the initial phase, a single-story structure will be constructed behind the dugout of the Toyota Field. Based on the furnished information, we understand that the maximum column loads for the proposed structure are anticipated to be about 375 kips. We also understand that a parking lot will be constructed to the east of the proposed structure.

We also understand that the proposed structure will be constructed below the existing grade, where the proposed Roof Elevation of the initial phase (one-story building) will be at about the existing ground surface.

The site of the proposed construction is partially a fenced-in area that is covered with concrete pavement and is partially covered with gravel.

2.0 SCOPE

The following are the Scope of the Subsurface Exploration and Geotechnical Engineering Services for the subject project:

1. This proposal is based on the assumption of drilling a total of eight (8) Soil Test Borings, in the areas shown on the attached plans. Five (5) of the borings, which will be drilled within the proposed building footprint will be extended to 35 feet beneath the existing ground surface, or to Auger Refusal levels, whichever is reached first. The other three (3) borings which will be drilled within the proposed pavement areas will be extended to 10 feet beneath the existing ground surface.

2. Standard Penetration Test borings, as required, within the building footprint extending to an average depth of 35 feet beneath the existing ground surface. We will record existing grade elevations at all boring locations.

3. If rock is encountered, representative holes will be cored to determine the character of the rock and the degree of bedrock weathering within the building footprint.

4. We will record groundwater, if encountered, in each of the borings after 24 hours.

5. Classifications of all soil samples and water content on all cohesive samples.

6. Liquid limits, plastic limits, and grain size tests on representative soil samples.

7. Site Class will be provided in accordance with the 2018 International Building Code and Table 20.3-1 in Chapter 20 of ASCE Standard 7-16. Provide a cost breakdown for shear wave velocity testing for determination of the Site Class.

8. Recommendations as to the suitability of on-site materials for use as structural fill, site grading, or general backfill.

9. Site preparation recommendations assuming the finished floor elevation will be approximately at the existing grade elevation.

10. Evaluation of overall stability of cut, fill, and natural slopes, if applicable.

11. We will conduct a general reconnaissance of the existing building(s) to assess the general performance of existing foundations. And will Identify problems associated with settlement (such as cracks in slabs-on-grade, cracks in exterior and interior walls, door sticking, etc.) or other types of distress. We will interview maintenance staff. We also will discuss the impact of the proposed construction on the existing foundation system.

12. We will provide recommendations for foundation design with an evaluation of viable alternatives. We also will provide the necessary soil parameters for the design of foundations subjected to vertical and lateral loads.

13. We will recommend design criteria for lateral earth pressure coefficients (active, passive, and at rest).

14. We will provide recommendations for slab-on-grade and granular subbase.

15. We will provide recommendations for pavement design.

16. We will have a Private Utility Locator to check the location of the borings for the presence of any underground utility lines before initiation of drilling operations.

3.0 BUDGET

Based on the scope of work described above, our costs for performing the subsurface exploration, laboratory testing, and preparing a Geotechnical Report will be $12800.

If problem subsurface conditions are encountered that would necessitate further exploration, we will notify you. The budget will not be exceeded without prior approval.

4.0 SCHEDULE

Based on our current schedule, we lay out the borings within two (2) days after authorization to proceed. First, an underground utility line locator will be hired to check the boring locations for the presence of any underground utility lines. That may take about one week. We will begin drilling within two days after the underground utilities are cleared. Field and laboratory work will be accomplished within two (2) weeks and the report preparation within one week. Thus, we anticipate that a final written report will be available within 4-5 weeks after authorization to proceed. The weather may extend the fieldwork if rainy days occur before or during the fieldwork.

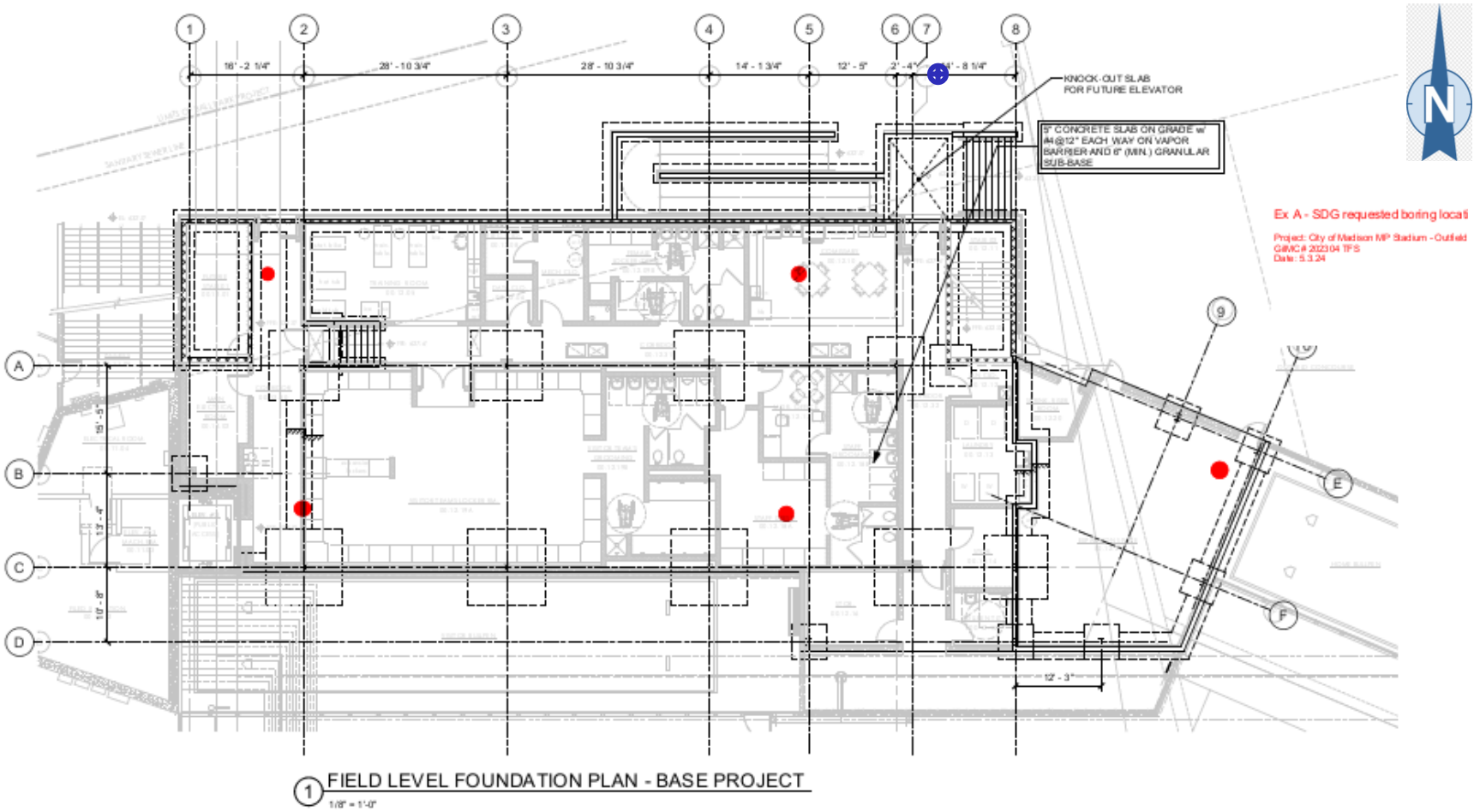
5.0 CLOSING

We appreciate the opportunity to provide this proposal and look forward to beginning the upcoming work. If you have any questions regarding the information contained herein, please do not hesitate to contact our office.

Sincerely,

AMIRI ENGINEERING CORP.

Nasser Amiri, MSE, P.E.
Senior Geotechnical Engineer



1 FIELD LEVEL FOUNDATION PLAN - BASE PROJECT
1/8" = 1'-0"

L E G E N D

● PROPOSED SOIL TEST BORING

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PROPOSED BORING PLAN

PROJECT NO.	SCALE	DATE
244598	NTS	6/10//24

PROPOSED TOYOTA FIELD
OUTFIELD BUILDING
MADISON, ALABAMA

Project: City of Madison MP Stadium - Outfield Building
GilMC# 202304 TFS
Date: 5.3.24

L E G E N D

● **PROPOSED SOIL TEST BORING**

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PROPOSED TOYOTA FIELD
OUTFIELD BUILDING
MADISON, ALABAMA

Plan 2 of 2