



SOLID GROUND
CONSULTING ENGINEERS, PLLC
Engineering Innovation; Providing Solutions to Your Challenges.

April 4, 2023

Garrard County Schools
c/o Mr. Mikey Crossley
Brown and Kubican
2224 Young Drive
Lexington, Kentucky 40517

Subject: **Proposal for Special Inspection and Construction Materials Testing Services**
Garrard County High School – Athletic Complex
Lancaster, Kentucky
Solid Ground Proposal No. 109923

Dear Mr. Crossley,
Solid Ground Consulting Engineers, PLLC (Solid Ground) is pleased to provide you with this proposal for Special Inspection and Construction Materials Testing Services for this project. This proposal details project information, proposed scope of services, schedule and estimated cost.

Project Description and Location

It is our understanding this phase of construction is in support of a major upgrade for the athletic complex at the Garrard County High School. The project consists of the finished grading, parking lots and associated athletic structures and playing fields.

Special Inspections and Construction Materials Testing

In preparation of this proposal, we have reviewed the construction drawings and all associated addendum for this project. Additionally, we were provided with a construction schedule from the Construction Manager.



Also, we have reviewed the insurance requirements for this project, our current coverages met or exceed those listed in the RFP. If awarded this project, we will provide an insurance certificate to the owner.

Scope of Services

Solid Ground will perform Special Inspections and materials testing services for this project in accordance with the International Building Code (IBC), with KY Amendments, project plans, specifications and project Request for Proposal.

Based on the project plans the following services will be performed:

Soils

- ▲ Observe materials below shallow foundations and grade beam to verify foundation remediation is in accordance with plans and specifications.
- ▲ Observe that foundation bearing conditions are in compliance with the recommendations contained in the requirements set forth in the project plans, specifications, and the geotechnical report.
- ▲ Observe that the subgrade has been prepared properly prior to fill placement and prior to slab on grade construction.
- ▲ Conduct density testing as specified in the KBC and the project specifications.

Reinforced Masonry (KBC 1705.4)

- ▲ Observe the consistency of site-prepared mortar; placement of masonry units and the construction of mortar joints and location of reinforcement and connectors.
- ▲ Verification of size and location of structural elements, type, size and locations of anchors including details of anchorage of masonry to structural members, frames of other construction.
- ▲ Verify prior to grouting to ensure grout space is clean
- ▲ Observe placement of grout.
- ▲ Observe construction of structural elements; to verify proper size, grade and type of reinforcement and protection of masonry during cold weather or hot weather.
- ▲ Observe construction to verify type, size grade and location of anchors.
- ▲ Observe preparation of required grout specimens and/or mortar specimens. These samples will be made on a daily basis during the Reinforced Masonry construction.

Concrete

- ▲ Observe reinforcing steel, as well as anchor bolts, during foundations (deep and shallow) and slab on grade construction.
- ▲ Sample and perform tests on plastic concrete in the field which includes slump, air content, temperature, and other tests required by the project specifications.





- ▲ Make 4 by 8-inch concrete cylinder specimens for compressive strength testing.
- ▲ Hydrate, test, and report concrete cylinder test specimens as required by the specifications.

Steel Construction

- ▲ Perform field observations to verify the structural steel for compliance with the approved plan documents.
- ▲ Perform field observations of anchor bolts required for compliance to the plans.

Spray Fire-Resistance Materials (KBC 1705.14)

- ▲ **1705.13 Spray Applied Fire-Resistant Materials (1705.13 – 1705.13.6.3)**
 - Substrate Visual Inspection
 - Thickness of Application
 - Density Test
 - Bond strength

Site Related Testing

- ▲ Specified site field quality control sections reflected within divisions 31, 32, and 33 are covered within this section.

Schedule

We request a 24-hour notice prior to providing on-call personnel to enable us to schedule the work efficiently. Mr. Tim McClure will be the Project Engineer for the project.

Compensation

Based on the scope of work detailed in this proposal and bidding instructions outlined in the RFP from Brown and Kubican, we propose a **Lump Sum Fee of \$62,000.**

Authorization

Please sign the attached Proposal Acceptance Sheet and return one complete original of the proposal to us. This will act as authorization to proceed.

Payment Terms

The client understands that we will be compensated for performing the services in accordance with the scope of work detailed in this proposal. Invoices will be issued on a bi-weekly basis. The client agrees to pay all charges not in dispute within 30 days of receipt of the invoice and recognizes that charges not paid within 30 days are subject to a late payment





charge of 1.5 percent. The Client shall provide notification within 10 days of receipt of the invoice should the invoice contain charges the Client intends to dispute.

Summary

We appreciate the opportunity to provide this proposal to perform engineering services. We can begin work immediately upon our acceptance of this proposal. If you have any questions, we would be glad to address them. If this proposal is acceptable as written, please have the person responsible for payment sign one copy and return it to our office. That will be our indication to begin work. Once again, thank you for considering our firm for this project.

Very Truly Yours,

SOLID GROUND CONSULTING ENGINEERS, PLLC

Tim McClure

President





ACCEPTANCE

Signature of Property Owner or Agent

Date

Print Name & Title

Address For Billing:

