



January 26 2024

Powell Co. Schools
Stanton Elementary
Sarah Wasson, Superintendent
691 Breckinridge Street
Stanton, Kentucky 40380

Subject: **Proposal for Special Inspection and Quality Control Services
Proposed Powell County, Stanton Elementary School
Stanton, Kentucky**

Dear Sarah,

Solid Ground Consulting Engineers, PLLC (Solid Ground) are pleased to provide you with this proposal for the Special Inspection and Quality Control Testing Services for the proposed Powell County, Stanton Elementary School in Stanton, Kentucky. This proposal details project information, proposed scope of services, schedule and estimated cost.

Project Information

The new building is to be located at 776 West College Avenue in Stanton, Kentucky. At this time the project is still in the schematic phase, but it is understood the structure will utilize typical educational construction standards.

Scope of Services

We will perform Special Inspections and materials testing services for this project in accordance with the International Building Code (IBC), with KY Amendments, project plans and section 01 4110 of the project specifications.

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.

Fire-Resistant Joints and Penetrations

- ▲ Conduct testing in accordance with ASTM E2174 for Fire-Resistant Penetrations and ASTM E2393 for Fire-Resistant Joints.

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.

Storm Shelter Inspections ICC 500

106.2 Special Inspections

- ▲ Special Inspections shall be provided for construction and installation of materials as required by the authority having jurisdiction in accordance with the applicable building code and Sections 106.3 of this code.

106.2.1 Inspection of Fabricators

- ▲ Where fabrication of structural load-bearing and debris-impact-resistant components

and assemblies is being performed on the premises of a fabricators shop, special inspections of the fabricators shall be provided.

106.3 Special cases

- ▲ Special inspections shall be provided for proposed work comprised of:
 1. Construction materials and systems that are alternatives to traditional materials and systems prescribed by the applicable code.
 2. Unusual design and construction applications.
 3. Anchors post-installed in hardened concrete for shelter anchorage in accordance with Section 106.3.1.

106.3.1 Special Inspections to Verify Anchor Installation

- ▲ Special Inspection to verify the anchor installation, capacity and foundation adequacy according to the anchor manufacturer and shelter anchorage and foundation requirements provided in the shelter design information required in Section 107.2.1, quality assurance plans required in Section 107.3.2, and foundation and anchorage criteria required in Section 309.

106.4 Structural Observations

- ▲ During construction of community shelters, the building owner shall employ a registered design professional to conduct visual observations of the construction of the structural system for general conformance to the approved construction documents at significant construction stages and at completion of the construction of the structural system. Structural observation shall not obviate the need for other inspections or testing required by this standard or the applicable building code.
- ▲ Deficiencies shall be reported in writing to the owner and to the authority having jurisdiction. At the conclusion of the work, the registered design professional who made the structural observations shall submit to the authority having jurisdiction a written statement that the site visits have been made and shall identify any reported deficiencies that, to the best of the structural observer's knowledge, have not been resolved.

Site Related Testing

- ▲ Site Work specifications reference Kentucky Transportation Cabinet's Standard Specifications for Road and Bridge Construction, latest edition (KDOT Specs) for earthwork, concrete placement and asphalt placement.
- ▲ Earthwork compaction shall be tested in accordance with Section 206.03.03 of the KDOT Specs.
- ▲ Concrete shall be tested in accordance with Section 601.03.02 of the KDOT Specs.
- ▲ Asphalt shall be tested in accordance with Section 402.03 of the KDOT Specs.

Deliverables

As in accordance with the International Building Code and the Statement of Special Inspections we will generate a report for each visit we make. Each day we will distribute our reports into the distribution list through email. Deviations will immediately be informed to the contractor.

A Final Letter will be issued by us to use in obtaining the owner's Certification of Occupancy. This letter provides a summary of the services provided, items observe and copies of each daily Special Inspection and laboratory report.

Schedule

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

Compensation

Based on the scope of work detailed in this proposal, we propose a **LUMP SUM PRICE NOT TO EXCEED of \$115,000.**

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 monthly basis up to 15 months.

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.

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



Project Manager

Joey Daugherty

ACCEPTANCE

Signature of Property Owner or Agent

Date

Print Name & Title

Address For Billing:
