



BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.

January 20, 2020

Kevin Neal, County Judge Executive
Marshall County Fiscal Court
1101 Main Street
Benton, Kentucky 42025

RE: Southwest One Industrial Park
Pad Ready Site
Benton, Kentucky
Project No. 18014

Dear Mr. Tubbs:

Bacon Farmer Workman Engineering & Testing, Inc. (BFW) is very proud to be a continued partner in this project. The following is a proposal for Engineering and Geotechnical work to construct a "Pad Ready" site.

- I. PRELIMINARY DESIGN
 - Prepare preliminary site layout including building, parking, sidewalks, and etc.
 - Perform preliminary grading plan for estimation of earthwork quantities.
 - Prepare preliminary cost estimates for design and construction.

- II. CONSTRUCTION DOCUMENTS
 - Prepare construction documents including grading plan, storm water, etc.
 - Prepare technical and general specifications.

- III. BIDDING
 - Prepare and coordinate advertising in local paper and AGC. All advertising costs to be a reimbursable expense.
 - Coordinate publication and distribution of plans. All printing costs to be a reimbursable expense.
 - Answer pertinent questions during the bidding process.
 - Open and evaluate bids for recommendation to the Fiscal Court.
 - Coordinate contract execution between the Fiscal Court and Contractor.

- IV. CONSTRUCTION ADMINISTRATION
 - Review Shop Drawings
 - Respond to relevant items during construction
 - Review Payment Applications
 - Final inspection and project close out

V. SUBSURFACE EXPLORATION

- The site is located on a property readily accessible with a track-mounted rotary drilling rig. The project entails a preliminary subsurface exploration to determine the soil characteristics underlying the site.
- No evidence of large quantities of fill placement or buried debris underlying the project site was made aware to BFW.
- BFW is proposing to advance SIX (6) sample borings at locations to be determined at a later date within the building pad area. FIVE (5) of the borings will be advanced to a depth of 20 feet below ground surface (bgs), with the remaining boring advanced to a depth of 100 feet bgs for seismic characterization purposes. Each boring will be advanced through unconsolidated sediments via hollow stem augers.
- Drilling and sampling will be performed in accordance with ASTM Methods D1586, D1587 and D2113. Split-spoon (disturbed) SPT samples will be collected from borings at regular intervals not further apart than five feet, with continuous sampling in the 0' – 3' depth interval. Borings will be backfilled with native soil upon completion of the subsurface investigation.
- The results of this investigation will be detailed in a narrative report to be submitted at the completion of laboratory analysis and professional engineer review.
A series of laboratory tests will be performed to confirm the field classifications and evaluate the engineering properties of the soil.

VI. MATERIAL TESTING

Estimated for (20) twenty site visits. Testing includes the following scope of work:

- a. (1) site visit for proofroll of existing subgrade prior to placement of approved fill material
- b. (1) site visit to obtain proctor sample for approved fill material per ASTM D698 standards
- c. (18) site visits to perform compaction testing of approved fill and DGA using a Troxler Nuclear Density Gauge
- d. Daily inspection reports with compaction results and photos.

(Note: Material Testing Fee is budgetary, all testing shall be performed by rates)

SUMMARY OF FEES

| | |
|---------------------------------|--------------------|
| I. Preliminary | \$ 2,725.00 |
| II. Construction Documents | 13,230.00 |
| III. Bidding | 1,250.00 |
| IV. Construction Administration | 3,525.00 |
| V. Subsurface Exploration | 6,000.00 |
| | Total: \$26,730.00 |
| VI. Material Testing (Budget) | \$12,500.00 |

We look forward to working with you in the future and should you have any questions or need further information, please contact our office at (270) 753-7307.

Sincerely,
Bacon Farmer Workman Engineering & Testing, Inc.

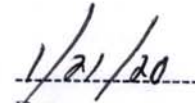

Bobby Deitz, Project Manager

Acceptance of Proposal:
Southwest One Industrial Park
Pad Ready Site
Benton, Kentucky
Project No. 18014

Proposal Date: January 20, 2020



Signature

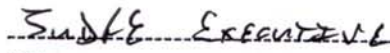


Date



Name

Name



Title

Title