

Memo

TO: All bidders

RE: Testing Information for Bidding Purposes
Dollar General Store

Project: Dollar General – Shelton Ave. – Statesville, NC

Date: April 21, 2011

Dollar General has entered into an agreement with Professional Service Industries, Inc. (PSI) for various testing services as outlined below. It is the subcontractor's responsibility to be familiar with these tests and meet the specified criteria. Failure of these tests may result in rejection of the work.

Soils –

Soils sampling of proposed structural fill is required. The types of tests needed per sample are:

- Standard Proctor (ASTM D696-maximum dry density) or Modified Proctor (ASTM D1557).
- Atterburg Limits (soil classification)
- Moisture Content (Insitu condition)
- The proposed fill material must meet the requirements for structural fill as specified in the geotechnical report.
- The sub-grade must be proof rolled with a loaded tandem axle truck; undercut and replace unsuitable material as required by the approved consultant. Provide unit prices for this work (quantities will be verified by the approved consult, not by truck count).
- On site monitoring of fill material by the approved consultant during all fill operations.
- Nuclear density Testing of each lift of compacted fill. Lift will be in 6" increments with 1 test per 5000 sf in the building and 1 test per 10,000 sf in paved areas, or a minimum of five tests per lift throughout the site. Determines percent compaction as compared to maximum dry density determined per soil samples required in above bullet.

Concrete -

Concrete testing as follows:

- Pre-concrete placement footing inspection.
- Reinforcing steel inspection
- Inspection for clean, dry footing bottom
- Inspection for size and spacing of reinforcing steel.
- Inspection for size and depth of footing.
- Inspection for clearance between steel and sides and bottom of footings.
- Dynamic Cone Penetrometer testing of foundation sub-grade.

- Test results should comply with recommendation of Geotech Report .
- Testing for compressive strength of concrete as required by the approved consultant, who must be on site during all such concrete testing. Number and frequency of tests are as follows:
 - 1 set of 4 concrete cylinders per 50 placed yards
 - Testing at 7 and (2) 28 days of curing; 1 hold
 - Approximately 3 sets per project (footings, slab, and dumpster pad)

Structural Steel –

Structural steel testing as follows:

- Inspect all welds and bolted connections for compliance with AISC, AWS and/or metal building project specifications

Floor Flatness –

Floor flatness testing as follows:

- Testing for floor flatness and floor level should reflect the following values: FF – 35+/- 5, FL – 30+/- 5

Asphalt Paving -

Asphalt paving testing as follows:

- Coring of asphalt parking lot for thickness testing,
- A minimum of 3 cores will be required, spaced evenly throughout parking area.
- Cores are measured for compliance with project paving profiles recommended in Geotech Report.
- Cores are measured for compliance with bulk specific gravity tests conducted for density (% density based on design unit weight)

All initial testing will be paid for by the GC. Any additional testing required due to failure of initial testing will be at the applicable subcontractor's expense.