

Construction Materials Engineering & Testing – Special Inspection Services

Earthwork related services could include the following:

- Observe proof-rolling operations of subgrade soils before construction of floor membranes, pavement subgrade or new fill;
- Perform laboratory moisture-density relationship, grain size analysis and Atterberg Limits on proposed fill soils; and,
- Perform density testing on fill soils to determine the moisture content and percent compaction of the soil material.

Concrete related services could include the following:

- Perform field sampling and testing of concrete for slump, air content and temperature;
- Cast sets of 5 cylinders for every 100 cubic yards placed or daily for the concrete foundations and floor slabs (assumed);
- Observe reinforcing bar detailing prior to concrete placement; including rebar size, spacing and configuration; and,
- Transport, cure and test concrete cylinders at the testing frequency specified.

Masonry related services could include the following:

- Observe the type of CMU and mortar used and verify that the cells are cleaned prior to placement of grout;
- Perform field sampling and testing of masonry materials for slump, air content and temperature;
- Cast sets of 8 prisms for every day grout is placed or if the mix design changes;
- Observe reinforcing bar detailing prior to placement of grout; including rebar size, spacing and configuration; and,
- Transport, cure and test mortar/grout prisms at the testing frequency specified.

Foundation related services could include the following:

- Observe footing excavations relative to size, depth, and presence of unsuitable soils;
- Evaluate bearing soils at the base of selected foundations using appropriate field testing procedures; and,
- Observe placement of reinforcing steel relative to number, size and spacing of bars.

Steel Observation services could include the following:

- Member and connection placement;
- Material verification of high-strength bolts, nuts and washers; and,
- Part-time welding observations by a structural steel inspector.

Asphalt related services could include the following:

- Perform density testing on compacted surfaces

COMPENSATION:

Client shall pay compensation for the additional or changed services performed at the fees stated in the submitted Schedule of Services & Fees unless fees are otherwise stated in the Unit Price Schedules.

Services will be billed on a unit rate basis in accordance with the attached Unit Price fee schedules. See Exhibit A, and Exhibit B. These exhibits are to be filled in and the total fee shall be used to determine the TOTAL COMBINED not to exceed fee.

A Not-To-Exceed value must be included. The fee shall be separated into two categories: Poolhouse and parking Lot as well as Pool and Pool Deck.

The TOTAL COMBINED Not-To-Exceed FEE shall be: \$_____ (To be filled in by Testing agency)