

SOIL BORINGS

It is the intent of these specifications to procure the services of a qualified firm to perform soil borings at various sites throughout the Town, on an as needed basis. The Town does not guarantee the number of boring to be performed under this contract. Potential projects may include 1 story buildings and installation of ball field lighting. Successful bidder will be required to submit 1 complete soil boring report for each project. The Town will provide unencumbered access to all sites. All work must be performed by a trained and experienced geotechnical technician and certified by a Professional Engineer licensed in the State of New York. Copy of license must be included with bid.

Borings must be performed within five (5) days of receipt of order from the Town. This bid shall be in effect for a one year period and may be extended for 2 additional one year period.

All borings must be a minimum of 20' in depth and must comply with all Suffolk County Board of Health, Building Code of the State of New York, and any local, state, and federal requirements and regulations. The number of borings, depth and location will be determined by or in consultation with the Town of Babylon

Successful bidder must provide the Town with one (1) original and one (1) copy of the soil boring logs and reports for each boring and must be certified by a Professional Engineer licensed in the State New York .

The scope of the work is as follows:

1. Perform standard penetration test (STP) and determine the resistance (N).
2. Determine soil stratigraphy and the relevant geotechnical engineering properties of the encountered soils.
3. Visually classify representative soils.
4. Identification of real-time sub-surface and groundwater levels and the influence of seasonal and tidal variations.
5. Preliminary design parameters required for foundation system, including allowable soil bearing pressures at foundation levels.
6. Estimate the post construction settlement of the foundation system.
7. Construction consideration for foundation excavation, surface and groundwater management.
8. Establish the feasibility of utilizing a shallow foundation system for support of the presumed loads and encountered sub-surface conditions.
9. Provide preliminary seismic determinations.
10. General location and description of potentially deleterious materials and fills encountered at the borings which may interfere with construction progress or structure performance.
11. Engineering criteria for the placement and compaction of structural fill materials.

Drilling and Testing procedures are to be performed in accordance with the guidelines and procedures of ASTM designations as follows:

D1586 Penetration Test and Split Barrel Sampling of Soils

D1587 Thin Walled Tube Sampling of Soils

D2488 Recommended Practice for Description of Soils

D2937 Test for Density of Soil in Place.

PRICING

Prices shall be per linear foot per boring. A one-time mobilization fee shall be allowed.