SOIL BORING REPORT REQUIREMENTS

PROJECT NAME AND NUMBER:

PROPOSAL DUE DATE:

REPORT DUE DATE:

DESIGN ENGINEER / ARCHITECT:

BACKGROUND INFORMATION:
Proposed development will be…*building description, with desired construction period loading, foundation bearing elevation, building foundation loading and hard surface site development.*

Proposed soil boring locations are as indicated on attached site drawing. Allowable access routes to soil boring locations are also indicated on attached drawing.

GEOTECHNICAL WORK REQUIREMENTS:

1. Geotechnical work is to be performed by qualified personnel under the supervision of a registered professional engineer.

2. The location, number and depth of soil borings are to be determined by the geotechnical engineer based upon provided information and site inspection, and are to be identified in the proposal.

3. The geotechnical engineer is to call Miss Dig (811) and to obtain information regarding existing buried utilities in the area of soil borings, and is to take necessary precautions to ensure safety and to prevent damage to property.

4. It is the responsibility of the geotechnical engineer to provide field surveying necessary to properly locate and set the elevation of each boring.

5. Before commencing work, the geotechnical engineer is to coordinate the date and time of drilling with the Owner.

6. Soil drilling and sampling is to be in accordance with current applicable ASTM standards.

7. Soil borings are to be plumb.

8. Following completion of soil boring work, the site is to be restored. Restoration work is to include backfilling borings, patching of slabs and pavements, and repair of lawn and plantings. All excess material is to be removed from the site.

9. After obtaining field information and after completing laboratory testing and analysis, provide a geotechnical report to the Owner and to the design professional. Geotechnical design report is to include the following:

a) Discussion of the proposed project.

b) Soil boring logs with soil description, groundwater observations, sample type, standard penetration values, and moisture content.

c) Foundation design recommendations. To include allowable bearing pressures, recommended bearing elevations, anticipated settlements, and coefficient of friction for pile foundations.

d) Probability of encountering rock formations, and recommendations for excavating rock materials.

e) Design coefficients for use in seismic analysis per current building codes.

f) Frost penetration depth and effect.

g) Recommendations for management of ground water.

h) Fill material recommendations and compaction requirements for structures and pavements.

i) Design and inspection criteria for temporary excavation protection, including earth retention, underpinning of adjacent structures and dewatering.

j) Stability of slopes for excavations.

k) Analysis of soil to ascertain the presence of potentially expansive, deleterious, chemically active or corrosive materials or presence of gas.

l) Other geotechnical recommendations specific to the project.

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