

**Read through the Geotechnical Analysis and examine the charts, graphs and pictures.
Answer the following questions (short answer):**

1. What were the purposes of the subsurface exploration?
2. Why was the use of an ATV required to perform soil borings?
3. What sampling procedure was used to obtain the soil samples? Describe this method.
4. What metrics are obtained from this method of sampling?
5. What properties can be determined through the laboratory testing program?
6. What is the regional geology of the area?
7. According to the study what soil types were identified on the proposed project site?
8. What is the recommended bearing capacity for the building foundations?
9. What are the recommended minimum footing dimensions and depths?