





## 5. Data Analysis:

- Analyze the data obtained from SPT tests and laboratory tests to determine soil properties, including density, grain size distribution, shear strength, and compressibility.
- Prepare geotechnical profiles and reports based on the analysis.

## 6. Foundation Design:

- Design of the tank foundations based on structural loads, geotechnical design parameters and recommendations from the soil investigation and client requirements.
- Consider factors such as bearing capacity, settlement, and soil stabilization methods as needed.
- Design shall be signed by geotechnical and structural engineer and stamped by a registered structural checker.

## 7. Geotechnical Report:

- Submission of final report with detailed geotechnical and structural calculations, stamped drawings and design drawings for design of tank foundations. Three (3) sets shall be submitted. The report shall include the following
  1. Site description and history
  2. Ground water level measurement
  3. SPT test results
  4. Laboratory test results
  5. Soil stratigraphy and profiles
  6. Foundation design recommendations and calculations.

## NOTE:

1. Test locations should be confirmed by the Contractor based on the actual site condition and planned locations for the structure.
2. The contractor is responsible for any damages to the existing building property during construction. The contractor shall indemnify the respective party against all losses or claims.
3. Contractor shall supply the 'as-built' drawing within 15 days after completion date.
4. All test should be carried out according to geotechnical standards, ASTM or other applicable standards accepted by MWSC. All the testing equipment should be calibrated and arranged by contractor. Perform quality checks on collected data and laboratory testing procedures.
5. Maintain records of all field and laboratory data, including photographs, borehole logs, and test results.
6. Water and electricity are to be arranged by the contractor.

