

- All the soil reports shall be stamped and signed by a geotechnical engineer with experience, sufficient knowledge, registered in the municipality and holding a bachelor's degree attested by the Ministry of Higher Education.
- 1.3 All laboratories commissioned to conduct soil investigations shall be licensed and approved by Dubai Municipality and Emirates International Accreditation Center (EIAC); in addition, the appointed laboratory shall conduct the soil investigation in compliance with all the procedures and recommendations indicated by the local authorities (EIAC) and international codes; or in instruction guidelines during the process of soil investigation and obtaining adequate extraction samples.
- 1.4 The soil investigation for any [structure/building/ facility](#) shall relay primarily on the location of the [structure/building/ facility](#) with coordinates specified as per the schematic plan and the geographical maps approved by the relevant entities, in addition to the information pertaining to estimated loads, number of floors, shape of the [structure/building/ facility](#), previous land use, site topography, geological qualities and surface drainage.
- 1.5 Borehole coordinates (x, y) and levels mention in DMD (Dubai Municipality Datum) on the site plan which shall also reflect the basic data such as plot limits, north direction, surrounding structures, traffic, vegetation, hazardous chemical materials ...etc.
- 1.6 The euro code indicates 7 as the minimum number of boreholes with the condition of homogenous outcomes from the boreholes as follows:
- High rise buildings ( G+12) – borehole every (750m<sup>2</sup>) – minimum (5) boreholes
  - Buildings less than ( G+12) – borehole every (750m<sup>2</sup>) – minimum (3) boreholes
  - The boreholes shall be in a grid form and spacing of (60) meters for [structure/building/ facility](#), built on ([spread](#)) large areas.
  - Compound villas – (1) borehole at least for each villa
- 1.7 The minimum depth of the boreholes should reach below the Pile toe level and the area of impact for isolated and strip foundations (Eurocode 7) according to the following:
- For isolated and strip foundations, the borehole depth shall exceed the depth of the expected depth ( *usually 2.5 to 3 times the width of the footing*) by a depth not less than 8.0 meter for any borehole.
  - Drilling shall be deeper in some points to investigate and evaluate possible issues of settlement and ground water as per the recommendations of specialists.