

DEAR MISS HANIN

Upon Mr. Pierre Attalla's request and referring to plans and drawings supplied by the municipality engineer Mr. Hussam Youssef we checked the drawings and trying to fill the missing gaps we did the following:

- 1- **Architectural** plans showing :
- plans
  - sections
  - elevations
  - site plan
  - illustrative perspective

These drawings comply with terms pre-assigned by engineer Imad Menhem by :

- increasing the landing dimensions to facilitate the circulation
- increasing the step and adding a handrail for the spectators well being

As well as adding other details such as :

- stairs to facilitate the access from / on to the playground
- the possibility of using the space under the stadium for future use

**2-structural** plans showing :

- The design of all structural elements as retaining walls, slabs, columns, beams and raft foundation.
- A geotechnical study was not performed on site in order to obtain the exact bearing capacity of the soil

but rather an estimate of this capacity was chosen for the design of the raft foundation and the retaining wall taking into consideration the nature of the soil the environment in which it exists in.

The soil found on site is "brown clay" of bearing capacity  $2\text{kn/m}^2$  .

- A descriptive plan showing the insulation needed before backfilling behind the retaining wall as well as the proper means to ensure the well function of the perforated pipe.
- Blinding concrete is to be used where necessary (under raft foundation) 10cm

Sincere regards