

### 3. Read and reorganise the paragraphs

The following lines have been taken from Craig, R.F. (1983). *Soil Mechanics*. Van Nostrand Reinhold Co. Ltd. United Kingdom pages 384-385.

Read them and decide the adequate order of every paragraph.

#### Chapter 10. Ground Investigation

1."A study of geological maps and memoirs, if available, should give an indication of the probable soil conditions of the site in question. If the site is extensive and if no existing information is available, the use of aerial photographs can be useful in identifying features of geological significance. Before the start of field work an inspection of the site and the surrounding area should be made on foot. River banks, existing excavations, quarries and road or railway cuttings, for example, can yield valuable information regarding the nature of the strata and groundwater conditions (...). All information obtained in advance enables the most suitable type of investigation to be decided.

2. The actual investigation procedure depends on the nature of the strata and the type of project but will normally involve the excavation of boreholes.

3. An adequate ground investigation is an essential preliminary to the execution of a civil engineering project. Sufficient information must be obtained to enable a safe and economic design to be made and to avoid any difficulties during construction.

4. The number and location of boreholes or pits should enable the basic geological structure of the site to be determined and significant irregularities in the sub-surface conditions to be detected."