

CMP Scenario 2023.

New Museum Storage Facility

Following a recent bequest of various artefacts from the estate of an avid collector, the regional authority requires a building to conserve and store artefacts that cannot currently be displayed in the regional museum. The facility should allow for access for research purposes. It is not intended that the general public have access to the building. Suitable welfare facilities are required for the museum staff to be accommodated in the building. The staff includes security staff and staff employed to conserve the artefacts. The storage facility is designed to provide storage for delicate items that require a controlled environment. These items include books, fabrics, paintings, drawings and items made from wood.

Storage for items that do not require an environmentally controlled environment will be located at first floor level and accessed via the goods lift.

Enclosed fire escapes from the first floor area to be located at the east and west elevations of the building.

The facility requires access by electric fork lift vehicles and a suitable charging stations will be required.

A hydraulic goods lift, which must also be suitable for passenger use, is required to access the upper storage area.

The loading bay located on the South Elevation should be able to accommodate a 4 axle articulated lorry. (4.7m x 13.8m x 3.15m)

The structure of the building is to be steel framed with floors formed from concrete.

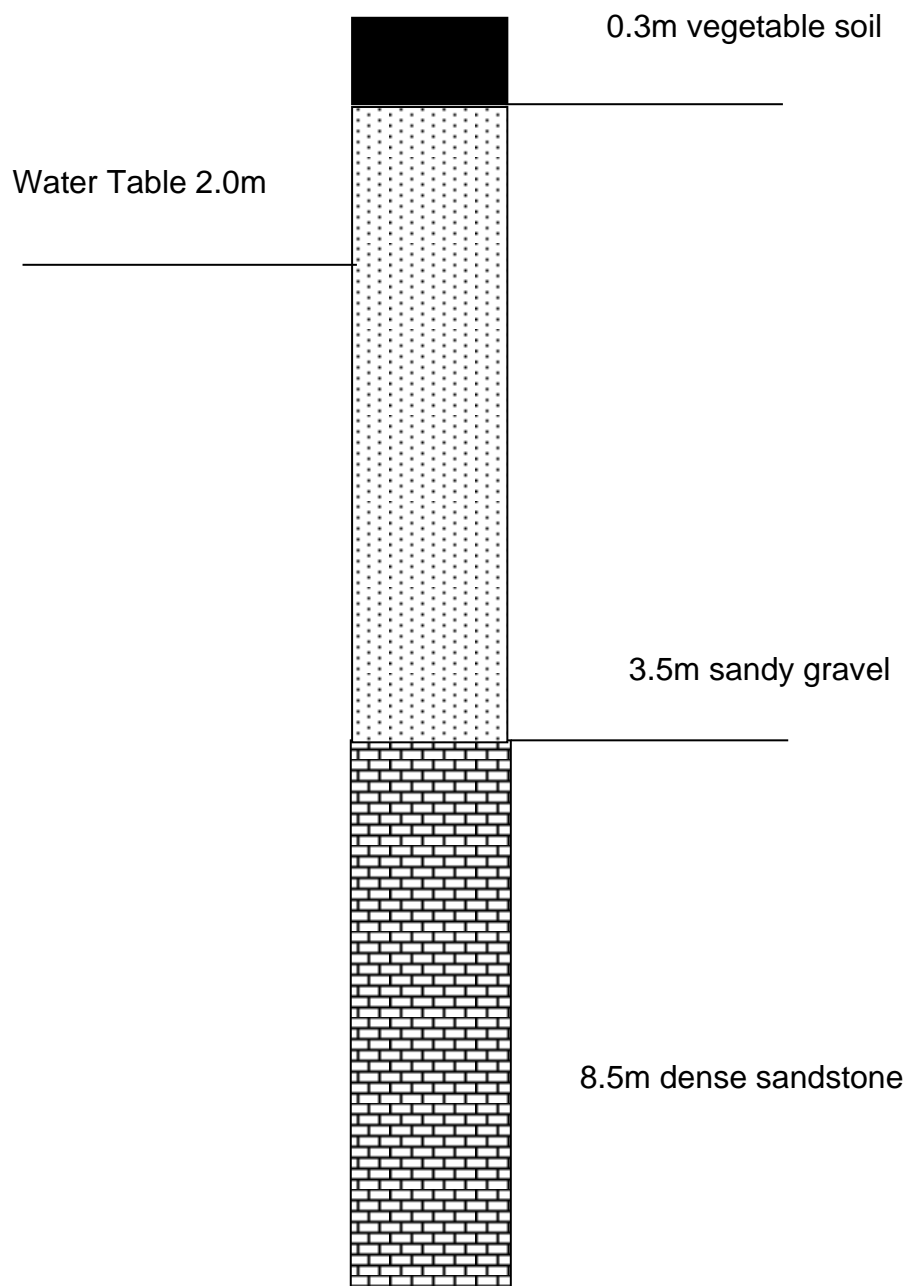
An Architect was initially appointed to prepare concept design drawings and to obtain Outline Planning Permission for the development.

Detail technical design will be the responsibility of the appointed contractor.

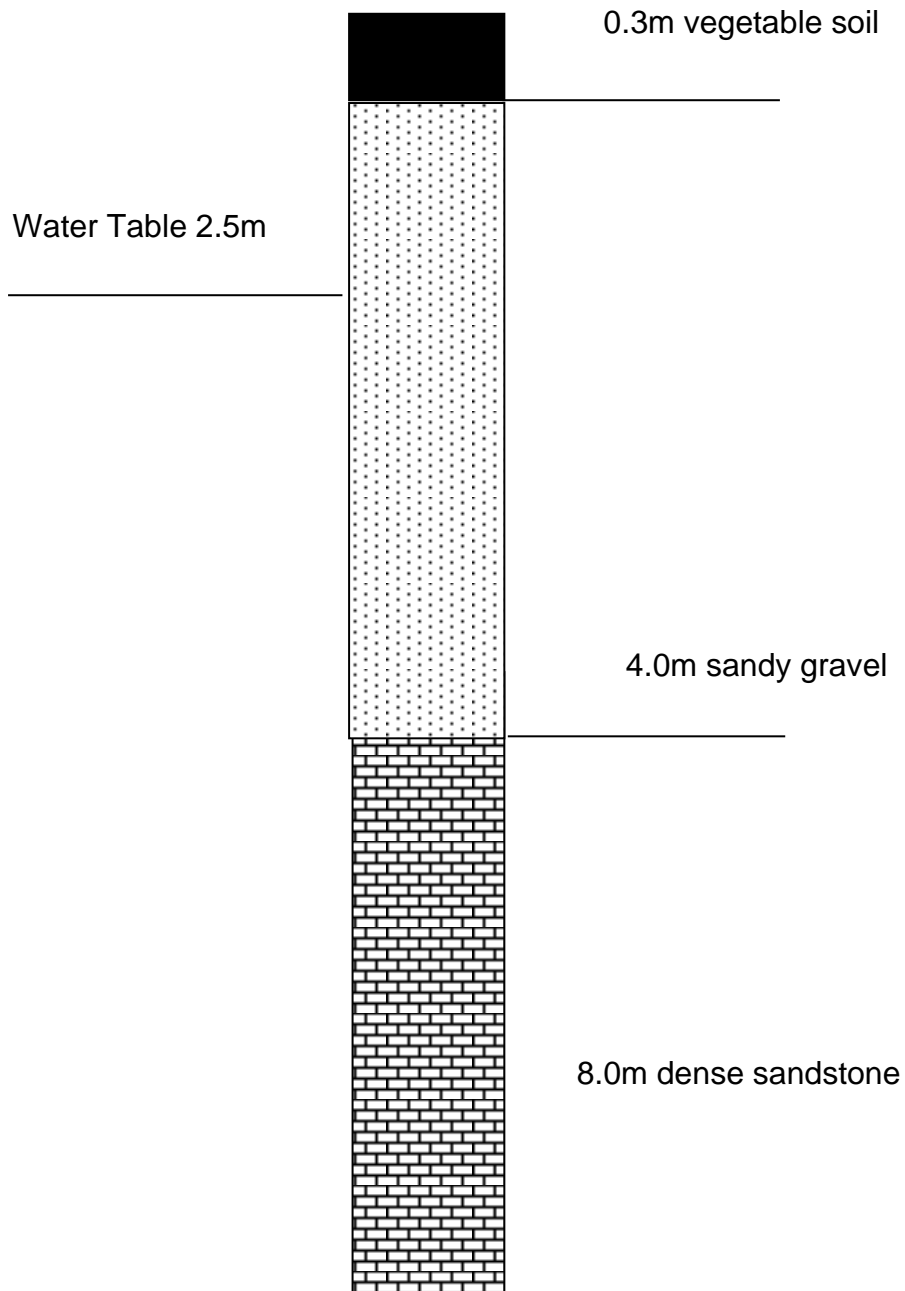
Site Conditions

The site is a brown field site and forms part of a larger industrial estate development on the site of a former gas works which ceased operations in 1970. The site was remediated following demolition of the gas works in 1972 and has been vacant and undeveloped since.

Information relating to ground conditions is based upon the National Geological Survey and historical borehole information which indicates that the soil types present are free draining sandy gravel over dense sandstone rock strata at a depth of 4m.



Bore Hole Record No.1



Bore Hole Record No.2