

Retaining Wall Impact **at** **15 Maygrove Road NW6**

Report Scope of Work

The purpose of the report is to demonstrate that the proposed retaining wall at the rear of the proposed patio will not impact the existing surface water flow, possible flooding and hydrological constraints

Site Review

The review of the site was carried out on 21st June 2017

There are no trees within 30metres of the proposed extension. The ground was dry and there were no signs of water courses flowing from the ground, as were the adjoining properties

No signs of subsidence were identified.

Soil Tests

The predominate founding material in this area is clay and it is considered that as the founding level of the retaining wall is less than 1.2m below ground level then a soil test is not necessary at this stage. However if during construction of the extension the founding layer is shown to be different then a further suitable scheme will be adopted in conjunction with the building control inspector.

Design Considerations – Retaining Wall

The active earth pressure, the major factor in overturning the retaining wall, will be the main design consideration for the retaining wall (reinforced concrete).

A further consideration in the design will be possible water pressure from surface water runoff.

The surrounding buildings will be taken into consideration during the design.

Hydrology and Water Flow Considerations

There are no indications of hydrology concerns in this area.

Flood Risk Review

There are no ongoing flood problems in the area,

Construction Phase

A method statement will be issued to Building Control at the start of Construction

Attached is a cross section through the proposed retaining wall.

Report written by

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