

Project – 9 Parkhill Rd

Method Statement for Basement Construction

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1. Enabling Works

- 1.1. Create access for equipment and removal of materials using conveyors by creating 1000 mm x 1500 mm opening in wall at back of cupboard space in Studio
- 1.2. Route for conveyor indicated in red as marked on existing drawings.
- 1.3. Remove all internal non load bearing partitions
- 1.4. Demolish existing conservatory.
- 1.5. Erect temporary cover for working area

2. Excavation for Retaining Wall

- 2.1. Excavate trench 2 metres wide in 1.5 metre lengths install temporary trench sheeting, walling board and trench props as shown on Temporary Works Plan 01TW.
- 2.2. The excavations to receive concrete should be clean, with no debris, tying wire clippings, fastenings or free water.
- 2.3. During excavation all workings should be covered and protected from rain and should be kept free from water until foundations and below ground constructions are completed.
- 2.4. Any perched water encountered during excavation should be removed by use of small portable dirty water pump and discharged to surface water drains to the south of the site.

3. Retaining Wall Construction

- 3.1. Plastic coil land drains to be distributed behind new Stepoc wall to discharge into sump and existing surface water drainage system.
- 3.2. Construct concrete foundation and Stepoc Wall in front of temporary sheeting, advancing along trench and filling voids behind with pea gravel.
- 3.3. Stepoc blocks to EN15435:2008 and concrete to BSEN206 Part1:2000.
- 3.4. The concrete to have an aggregate size not exceeding 10mm and the mix should contain no less than 300kg of OPC per cubic metre of fresh concrete. Filling is best accomplished by a concrete pump or skip with a 75mm nozzle. Mechanical vibration must not be used.
- 3.5. A period of five days is to be allowed following completion of all permanent works as noted above prior to removal of the temporary works frames supporting the main

rear masonry wall elevation. All pockets and associated masonry works to be made good once temporary frames have been removed.

4. Remaining External Excavation

- 4.1. Verify through excavation at party wall the depth and position of previous underpin and foundation as marked on Plan 01TW, and allow inspection by SE to confirm structural adequacy
- 4.2. Excavate central core of retained material working outwards from house to end of party wall.

5. Floor Slab

- 5.1. Breakout existing floor slab and lower floor to new level as indicated on plan.
- 5.2. Dig 150 deep trenches across site and lay plastic coil land drains from edge of site towards sump.
- 5.3. Place drain ends vertically into the sump.
- 5.4. Backfill throughout with pea shingle and cover with plastic to prevent concrete grout leaking into the pea shingle.
- 5.5. Cast new floor slab with mesh top cover as indicated on Engineer's plan.

CHC 7/09/15