



METHOD STATEMENT  
FOR  
CONSTRUCTION OF  
RETAINING WALL

*PARSIFAL HOUSE*  
*521 FINCHLEY ROAD*  
*LONDON*

*Ref:-19313*

## **1.0 NOTES ON RETAINING WALLS**

New retaining walls to basement to be designed using BS8110

Please refer to TW plans 19313 101 and 102

1. The sequence of retaining wall construction is to be agreed with engineer.
2. Not more than 25% of one wall shall be undercut at any one time. Underpinning shall be in short lengths not exceeding 1000mm.
3. Reinforced concrete for underpinning shall be Design Sulphate class DS-1 and ACEc class AC-1 grade C35, maximum aggregate size of 20mm, and a w/c of 0.45
4. Dowel bars shall be 20mm plain round bars 600mm long with 300mm embedment in each section.
5. Prior to concreting, the underside of existing foundations shall be carefully cleaned of all soil from the sides of the trench, and the formation shall not be left exposed over night. The formation shall be protected from heavy rain and frost.
6. Concrete shall be placed with care to avoid loose soil or rubbish falling into the excavation. The concrete shall be carefully compacted by means of a pocket vibrator.
7. No two adjoining sections shall be worked concurrently. A minimum period of 48 hours should be given between placing dry pack mortar and commencing excavation of any adjacent section.
8. Dry pack is to be a mixture of portland cement and sharp sand mixed as dry as possible passing through a No 16 sieve with just enough water to hydrate the cement and is to be placed into position using a back shutter against which it should be rammed with a blunt timber rammer and mallet.
9. A continuous trench for working space shall not be permitted.

Signed.....



Date 16/07/19

Mr A J Mitchinson BEng, CEng, MStructE