192 Haverstock Hill, NW3 2AJ

Basement Excavation

Strategic Method Statement

Revision A 3 August 2016

1. On completion of the piling, the remainder of the oversite concrete will be broken out and removed and the ground across the site lowered by 1m using an excavator with muck away wagons reversing onto the site under the control of a banksmen. Finally the access ramp required for this excavation will either be removed by a grab lorry parked on the temporary crossover or stock pilled in the middle of the site; the removal of the ramp is required to allow access to the perimeter piles along the front.

2. The tops of the piles will be cut down and the capping beam cast. Along Allingham Court the full width of the beam profile back to the boundary will be cast to give horizontal beam 1350mm deep to maintain stiffness along this elevation. Temporary reinforced concrete plinth blocks are to be cast on top of the capping beam as part of its construction at the required positions of the temporary horizontal the props (discussed in section 4 below) to a level of approximately 700mm above the capping beam.

3. The site can then be excavated to a level of 67.000m AOB as specified in section four of Whitworth Pecks (WWP) pile design before horizontal propping is required, at which it must be installed between the plinth blocks. The working room between the reduced site level and horizontal propping at this stage will be 2.1m and should allow the operation of a small platform wheeled front loader such as a JCB skid steer.

4. The design of the props and their precise position will be the responsibility of the Contractor. The props must be designed to withstand the horizontal loads from the heads of the piles as shown in section 4.8 of WWP's pile design at a value of 150kN/m SLS. The spacing of the props will be to limit horizontal deflection to 3mm as specified in Train and Kemp's Excavating and Filling specification clause 464.

5. The basement will be excavated as a ramp extending back the full depth of the site so that it is 3.6m deep at the rear eastern elevation. [This means at the rear third position the excavation depth will be 2.4m deep.]. The rear prop will be installed across the plinths. The rear third of the site will be taken down to 4m with the access ramp gradient increased to suit. On completion of its excavation, the rear third will be blinded with concrete,

6. Excavation will be continued towards the front until the excavated depth at the front prop is 2.1m at which stage the front prop will be installed.

7. Excavation of the middle third will be taken down to 4m and blinded on completion.

8. Leaving the excavator in the basement, the front section of the ramp will be dug out and stock piled in the middle of the site.

9. The front delivery bay slab will be cast, as drawing 11922/09. The stockpiled spoil will be removed by either a telescopic grab lorry parked on the delivery slab or by a conveyor.

10. On completion of the spoil removal the excavator will be craned out of the excavation and the blinding completed to the front third.

Document Control

Rev	Date	Detail
0	15.03.16	Initial Issue
01	03.08.16	Construction Issue
A	03.08.16	Levels added.