



## **69 Redington Road, NW3 7RP**

### Method Statement for Basement Construction:

1. Strip out and enabling works by main contractor including demolition of garage.
2. Excavated underpinning works to front and part flank elevations of main house to deepen foundations to allow the lower ground floor to be extended as far as the front elevation. This work will involve installation and various structural steel elements to allow the formation of openings and the removal of internal walls.
3. Concurrently with the works described in 2 install 450mm diameter bored pile wall to surround the rear part of the new basement. Toe level of piles shown on general arrangement drawings. Works to be carried out using the space created by the removal of the garage for access with works being carried out from general rear garden level with the existing patio and retaining wall having been removed.
4. Concurrently with 2 and 3 above install L shaped underpinning to the rear part of the 2 flank walls and the internal wall currently located at the front of the lower ground floor area.
5. Install temporary works piles in new basement area.
6. Reduce levels as necessary and construct reinforced concrete transfer slab at lower ground floor level in the area of the new basement both internally and externally. This slab will form the basement roof and provide permanent horizontal propping to the top of the bored pile wall and the L shaped underpinning to minimise deflection. The middle of the slab will be supported on the temporary works piles referred to above.
7. Carry out reduced level excavation for basement using a temporary access hole formed through the basement slab to the rear of the main rear elevation of the house with conveyor belts running out of the basement and discharging in the driveway for removal by grab lorry.
8. Install basement slab with opening for the swimming pool.
9. Lower mini piling rig into basement and install mini piles to support pool base slab.
10. Excavate for pool base slab.
11. Install pool base slab supported on piles.
12. Construct structural pool walls between pool slab and basement slab.
13. Construct permanent reinforced concrete columns to support the central span of the lower ground floor slab over the basement.
14. Demolish temporary works piles.
15. Construct mini pile slab foundation for garage.