

S.C.Green Ltd.
Consulting Structural Engineers

Honeywood House
Honeywood Rd, Whitfield
Dover, Kent, CT16 3EH

Telephone: 01304 827883 | www.scgreen.co.uk | Email: info@scgreen.co.uk

Job 4013 - Flat 1, 190 Goldhurst Terrace, Camden, London, NW6 3HN

Creation of new Basement

Method Statement

Introduction:

This method statement is divided into 4 phases, each relating to 4 stage drawings.

The sequence and means of temporary support along with the width of underpinning segments and spaces between the temporary pins are to be reviewed by the contractor who has the final responsibility for the works and adjusted to suit the site conditions.

Also read in conjunction with the calculation package.

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Method Statement Phase 1:

- 1. Determine which ground floor internal walls are load bearing.*
- 2. Install contiguous pile retaining walls front and rear.*
- 3. Expose top of piles and construct reinforced concrete ring beams.*
- 4. Remove ground floor.*
- 5. Reduced level dig over ground floor to underside of existing foundations.*
- 6. Pin wall and fit beam B1. Laid on mortar bed with dry packing above.*
- 7. Ditto for Beam B2.*
- 8. Ditto for Beam B3. Note: must be in one continuous length from B1 to rear wall.*
- 9. Ditto for Beam B4. Note: must be in one continuous length from B1 to front wall.*
- 10. Remove central pin and bases from below B1.*
- 11. Reduced level dig to front lightwell to underside of existing foundations.*
- 12. Dig access corridor down centre of basement from front lightwell to final depth. To incorporate temporary steps at front.*
- 13. Provide propped shoring to trench as necessary – in particular where passing below front bay and under beam B1.*

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Method Statement Phase 2:

1. *Dig and cast foundation F1 and F3.*
2. *After 2 days install 6 Acrow props under B1.*
3. *After 4 days install column C2 – including grout below baseplate.*
4. *Remove pin and bases and dig and cast foundation F6.*
5. *After 2 days install 6 more Acrow props under B1.*
6. *Remove pin and bases Dig and cast foundation F2 including underpinning complete with dry packing.*
7. *After 4 days install column C1 – including grout below baseplate.*
8. *Dig trench T5.*
9. *Dig and cast foundation F5.*
10. *After 4 days install column C3 – including grout below baseplate.*
11. *Dig and cast foundation F4.*
12. *After 4 days install column C4 – including grout below baseplate.*
13. *When grout has hardened remove Acrow props from under B1.*
14. *Dig trench T6.*
15. *Dig and cast foundation F6.*
16. *After 2 days install 4 Acrow props under B2.*
17. *Dig and cast foundation F7 including underpinning complete with dry packing.*

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Method Statement Phase 3:

1. *Dig trench T7.*
2. *Dig and cast temporary foundations F8 – F14.*
3. *Remove pin and bases Dig and cast foundation F15 including underpinning complete with dry packing.*
4. *Install pins TB1, TB2 and TB3. All fitted along with columns.*
5. *Dig out ground along with existing foundations reduced dig RD2.*
6. *Dig and cast foundations F16 and F17.*
7. *Construct external masonry on foundations F15 and F16 including dry packing to underside of existing walls.*
8. *When walls are fully complete remove temporary steels and concrete bases.*
9. *Dig and cast temporary foundations F18 – F23.*
10. *Install pins TB4, 2/TB5, TB6, TB7 TB8, TB9 and TB10. All fitted along with columns.*
11. *Dig out ground along with existing foundations reduced dig RD3.*
12. *Dig and cast foundations F24, including underpinning complete with dry packing.*
13. *Dig and cast foundations F25 and F26.*
14. *Construct external masonry on foundations F24, F25 and F26 including dry packing to underside of existing walls.*
15. *When walls are fully complete remove temporary steels and concrete bases.*

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Method Statement Phase 4:

- 1. Dig out remaining ground to rear lightwell.*
- 2. Cast external R.C. slab.*
- 3. Build facing brickwork to retaining wall.*
- 4. As above for front lightwell.*
- 5. Excavate and cast each perimeter foundation and underpinning bay. Leave at least two undisturbed (or completed) bays between adjacent digs.*
- 6. Cast ground bearing R.C. basement slab – dowelled into all bases.*
- 7. Build perimeter blockwork wall finished with timber wall plate to carry new ground floor.*
- 8. Install round floor joists – 220 x 50 C24@400c/c spanning side to side onto new walls and new steel beams.*
- 9. Construct non-loadbearing blockwork dividing partitions to basement.*