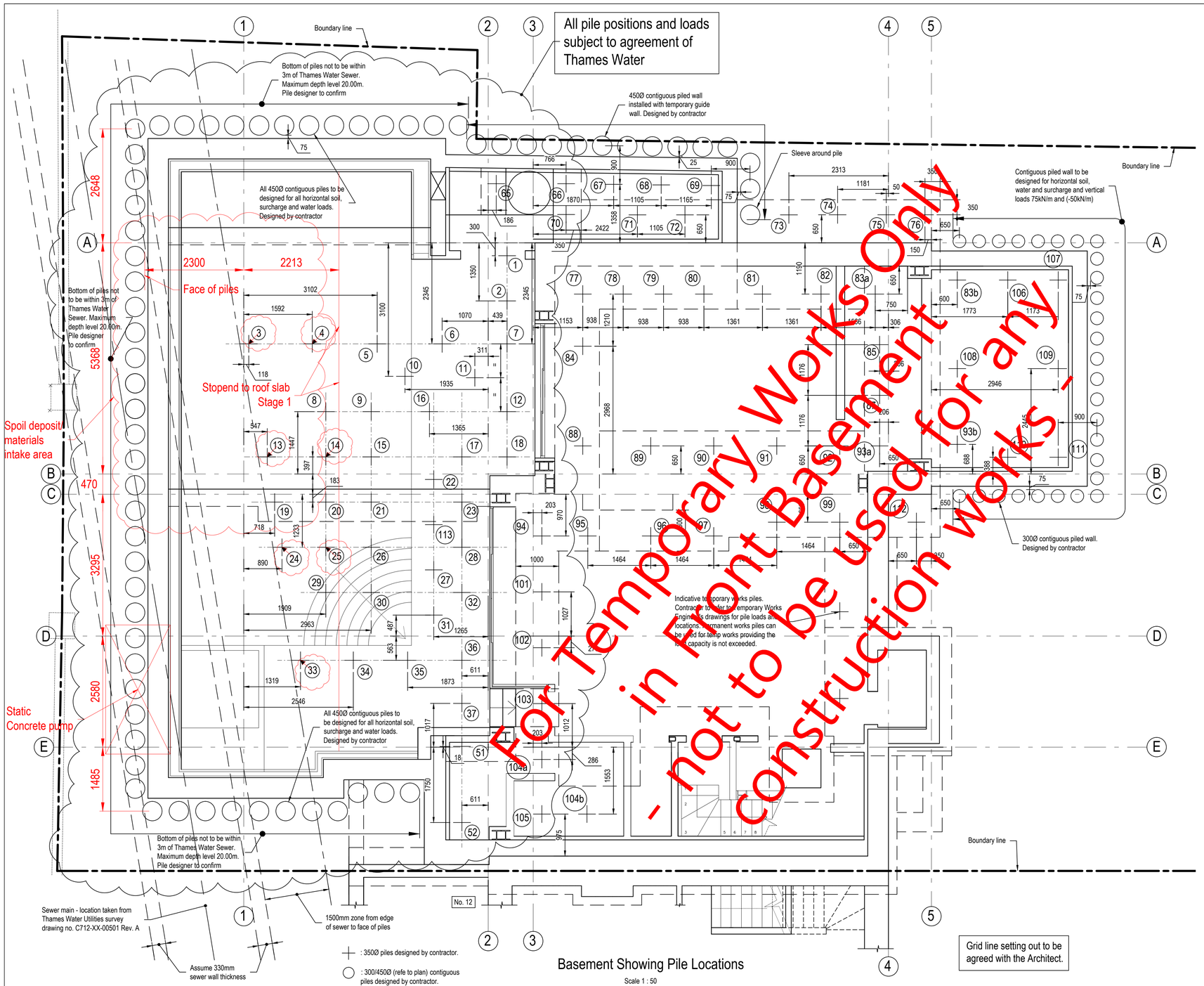


Basement Showing Pile Locations

Scale 1 : 50

For Temporary Works Only - not to be used for any in Front Basement construction works -

Safe horizontal shear at cut off level to be 15 kN

| Pile Schedule | | |
|---|---|---|
| Pile No. | Load kN | Cut Off |
| 1 | 200 , (-100) | 25.180 |
| 2 | 260 , (-140) | 25.180 |
| 3 | 550 , (-340) | 25.180 |
| 4 | 550 , (-340) | 25.180 |
| 5 | 380 , (-340) | 25.180 |
| 6 | 440 , (-340) | 25.180 |
| 7 | 260 , (-140) | 25.180 |
| 8 | 160 , (-320) | 25.180 |
| 9 | 240 , (-320) | 25.180 |
| 10 | 240 , (-320) | 25.180 |
| 11 | 240 , (-320) | 25.180 |
| 12 | 240 , (-350) | 25.180 |
| 13 | 550 , (-220) | 25.180 |
| 14 | 240 , (-290) | 25.180 |
| 15 | 300 , (-350) | 25.180 |
| 16 | 300 , (-320) | 25.180 |
| 17 | 300 , (-420) | 25.180 |
| 18 | 240 , (-80) | 25.180 |
| 19 | 550 , (-220) | 25.180 |
| 20 | 460 , (-280) | 25.180 |
| 21 | 320 , (-280) | 25.180 |
| 22 | 300 , (-350) | 25.180 |
| 23 | 240 , (-220) | 25.180 |
| 24 | 550 , (-220) | 25.480 |
| 25 | 240 , (-290) | 25.480 |
| 26 | 240 , (-290) | 25.480 |
| 27 | 240 , (-290) | 25.480 |
| 28 | 240 , (-220) | 25.480 |
| 29 | 260 , (-320) | 25.480 |
| 30 | 240 , (-320) | 25.480 |
| 31 | 240 , (-320) | 25.480 |
| 32 | 240 , (-280) | 25.480 |
| 33 | 550 , (-280) | 25.480 |
| 34 | 550 , (-280) | 25.480 |
| 35 | 550 , (-280) | 25.480 |
| 36 | 550 , (-280) | 25.480 |
| 37 | 400 , (-100) | 25.480 |
| 38 | NOT USED | |
| 39 | NOT USED | |
| 40 | NOT USED | |
| 41 | NOT USED | |
| 42 | NOT USED | |
| 43 | NOT USED | |
| 44 | NOT USED | |
| 44a | NOT USED | |
| 45 | NOT USED | |
| 46 | NOT USED | |
| 47 | NOT USED | |
| 48 | NOT USED | |
| 49 | NOT USED | |
| 49a | NOT USED | |
| 50 | NOT USED | |
| 51 | 480 , (-100) | 25.480 |
| 52 | 480 | 27.525 |
| 53 | NOT USED | |
| 54 | NOT USED | |
| 55 | NOT USED | |
| 56 | NOT USED | |

| Pile Schedule | | |
|---|---|---|
| Pile No. | Load kN | Cut Off |
| 57 | NOT USED | |
| 58 | NOT USED | |
| 59 | NOT USED | |
| 60 | NOT USED | |
| 61 | NOT USED | |
| 62 | NOT USED | |
| 63 | NOT USED | |
| 64 | NOT USED | |
| 65 | 320 , (-75) | 26.900 |
| 66 | 200 | 26.900 |
| 67 | 200 | 27.900 |
| 68 | 200 | 27.900 |
| 69 | 200 | 27.900 |
| 70 | 250 | 26.900 |
| 71 | 175 | 27.725 |
| 72 | 175 | 27.725 |
| 73 | 225 | 27.975 |
| 74 | 225 | 27.975 |
| 75 | 225 | 27.975 |
| 76 | 300 | 27.975 |
| 77 | 400 , (-80) | 27.725 |
| 78 | 275 | 27.725 |
| 79 | 175 | 27.725 |
| 80 | 175 | 27.725 |
| 81 | 300 | 27.975 |
| 82 | 300 | 27.975 |
| 83a | 300 | 27.775 |
| 83b | 300 | 27.775 |
| 84 | 275 , (-80) | 27.725 |
| 85 | 125 | 27.775 |
| 86 | NOT USED | |
| 87 | 125 | 27.775 |
| 88 | 420 , (-80) | 27.725 |
| 89 | 125 | 27.975 |
| 90 | 125 | 27.975 |
| 91 | 125 | 27.975 |
| 92 | 400 | 27.975 |
| 93a | 400 | 27.775 |
| 93b | 400 | 27.775 |
| 94 | 420 , (-80) | 27.725 |
| 95 | 420 | 27.725 |
| 96 | 125 | 27.975 |
| 97 | 125 | 27.975 |
| 98 | 125 | 27.975 |
| 99 | 400 | 27.975 |
| 100 | NOT USED | |
| 101 | 260 , (-80) | 27.725 |
| 102 | 260 , (-80) | 27.725 |
| 103 | 300 , (-80) | 27.275 |
| 104a | 360 , (-80) | 27.525 |
| 104b | 300 | 27.525 |
| 105 | 330 | 27.525 |
| 106 | 350, (-20) | 27.775 |
| 107 | 250, (-20) | 27.775 |
| 108 | 150, (-20) | 27.775 |
| 109 | 250, (-20) | 27.775 |
| 110 | 400, (-20) | 27.775 |
| 111 | 250, (-20) | 27.775 |
| 112 | 400 | 27.975 |
| 113 | 240 , (-280) | 25.480 |

Grid line setting out to be agreed with the Architect.

These loads have assumed dewatering of the site to below deepest excavation until works complete and full depth of top soil has been applied.

It has been assumed contiguous piles with temporary propping will be suitable for temporary support. Contractor to asses and allow for local grout injection as required.

Piling contractor to refer to David Berle drawings for pile position & loads for temporary works.

Notes:

**Piling - Cast Insitu Concrete Piles to be CFA not Driven**

1. The general design for the piles shall be in accordance with BS 8004 - the Code of Practice for Foundations.
2. No pile shall be more than 75mm off the true centre position and vertical errors shall not exceed 40mm per 3m depth of pile.
3. All pile loads given in the Pile Schedule are unfactored Safe Working Loads (SWL). A minimum factor of safety of 2.6 in compression and 3.0 in tension is required on all pile loads. Loads in brackets are negative tension loads.
4. Integrity test using a sonic impulse method employed by N. D. Technology (023 8046 5992) to be applied to all cast-insitu concrete piles. Testing to be carried out at least seven days after casting.
5. The piles are to be cast to a minimum of 200mm above the designed cut-off level.
6. Vertical reinforcement in all piles shall project a minimum of 40 times the bar diameter above the designed cut-off level and bent over horizontally into the top of the pile caps, ground beams or structural slabs.
7. All pile locations shall be probed and any obstructions found (except live services) shall be removed by main Contractor and voids backfilled with compacted hoggin.
8. Piles including contiguous shall be designed and specified by a specialist.
9. This drawing to be read in conjunction with ground appraisal report by Byland Engineering Ltd. All piles shall be bored and not driven.
10. Positive values are compressive forces, Negative values bracketed are uplift forces. All loads shown are unfactored.
11. The scheme assumes a void-former is installed beneath concrete slabs.
12. The concrete for the piles shall be designed to sulphate class to DS-2 and ACEC class AC-2 concrete classification of DC-2.
13. The contiguous piles shall be designed to retain the soil as detailed in the geotechnical report. In addition a surcharge of 10kN/m² should be applied.

**L e g e n d**

(xx) Piles within revision cloud used as temporary support to roof slab

**AREAVIEW LTD**
13 Prince Albert Road
SK Pil.Sup.FrontB.10-04-15

CONSTRUCTION ISSUE

## Notes.

© This drawing is the copyright of Richard Tant Associates.

**NOTES**

1. This drawing is to be read in conjunction with the specification and all relevant Engineers and Architects drawings.
2. Work to figured dimensions only.
3. For general notes see drawing 3561 - S01.

| REV. | AMENDMENTS | BY | DATE | CHECKED |
|---|---|---|---|---|

PROJECT
13 Prince Albert Road

TITLE
Pile Locations for slab support

ARCHITECTS

DRAWING No.
**Excerpt of 3561-S03U**

| | |
|---|---|
| DATE | - |
| SCALE | As shown @ A1 |
| DRAWN | - |
| CHECKED | - |
| REVIEWED | - |

**Drawing copied from Richard Tant Architects Drg. No. 3561-S03U**