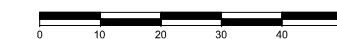
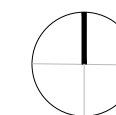


# **APPENDIX A**

*Proposed and existing development plan*



01 Site Plan  
10.101 Scale 1:1250 @ A3



### For Planning

| Rev. | Description         | By | Date     |
|------|---------------------|----|----------|
| P1   | Issued for Planning | GV | 10.02.16 |

Client  
**Castlehaven Row Ltd**

Project  
**251-259 Camden High Street**

Title  
**Site Plan**

| Project No.  | Drawing No.    | Rev.        |
|--------------|----------------|-------------|
| <b>1523</b>  | <b>10.101</b>  | <b>P1</b>   |
| <b>Scale</b> | 1:625 @ A1     | 1:1250 @ A3 |
| <b>Drawn</b> | <b>Checked</b> | <b>Date</b> |
| KT/GV        | TJ             | 03.11.15    |

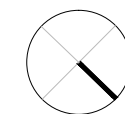
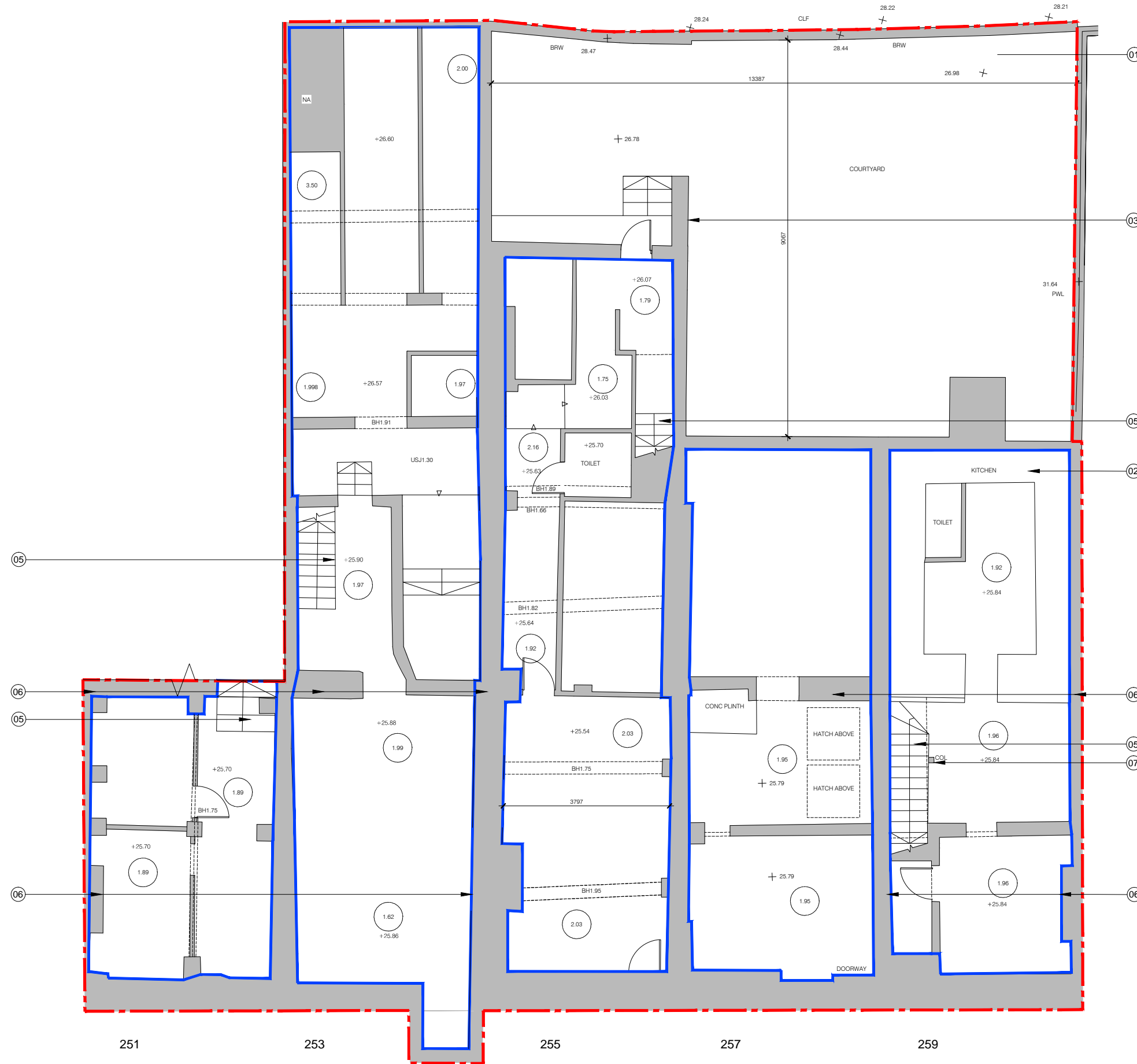
Do not scale from this drawing. The Contractor is to take and check all dimensions on site before work commences. Discrepancies must be reported to the Architect. Subcontractors must verify all dimensions on site before making a shop drawing or commencing work.

Key:

- - - - - Site Boundary
- Existing Retail Boundary
- - - - - Existing Structure at High Level
- 0.00 Floor To Ceiling As Survey

Notes:

1. Existing boundary courtyard walls
2. Existing internal fit out
3. Existing external walls
4. Existing internal walls
5. Existing stair
6. Existing chimney
7. Existing column



## For Planning

| Rev. | Description         | By | Date     |
|------|---------------------|----|----------|
| P1   | Issued for Planning | GV | 10.02.16 |
| P0   | Issued for Comment  | GV | 28.01.16 |

Client

**Castlehaven Row Ltd**

Project

**251-259 Camden High Street**

Title

**Existing Lower Ground Floor Plan**

| Project No.  | Drawing No.    | Rev.        |
|--------------|----------------|-------------|
| <b>1523</b>  | <b>10.201</b>  | <b>P1</b>   |
| <b>Scale</b> | 1:50 @ A1      | 1:100 @ A3  |
| <b>Drawn</b> | <b>Checked</b> | <b>Date</b> |
| KT/GV        | TJ             | 22.10.15    |

Do not scale from this drawing. The Contractor is to take and check all dimensions on site before work commences. Discrepancies must be reported to the Architect. Subcontractors must verify all dimensions on site before making a shop drawing or commencing work.

01 Existing Lower Ground Floor  
10.201 Scale 1:100 @ A3

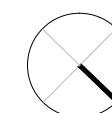
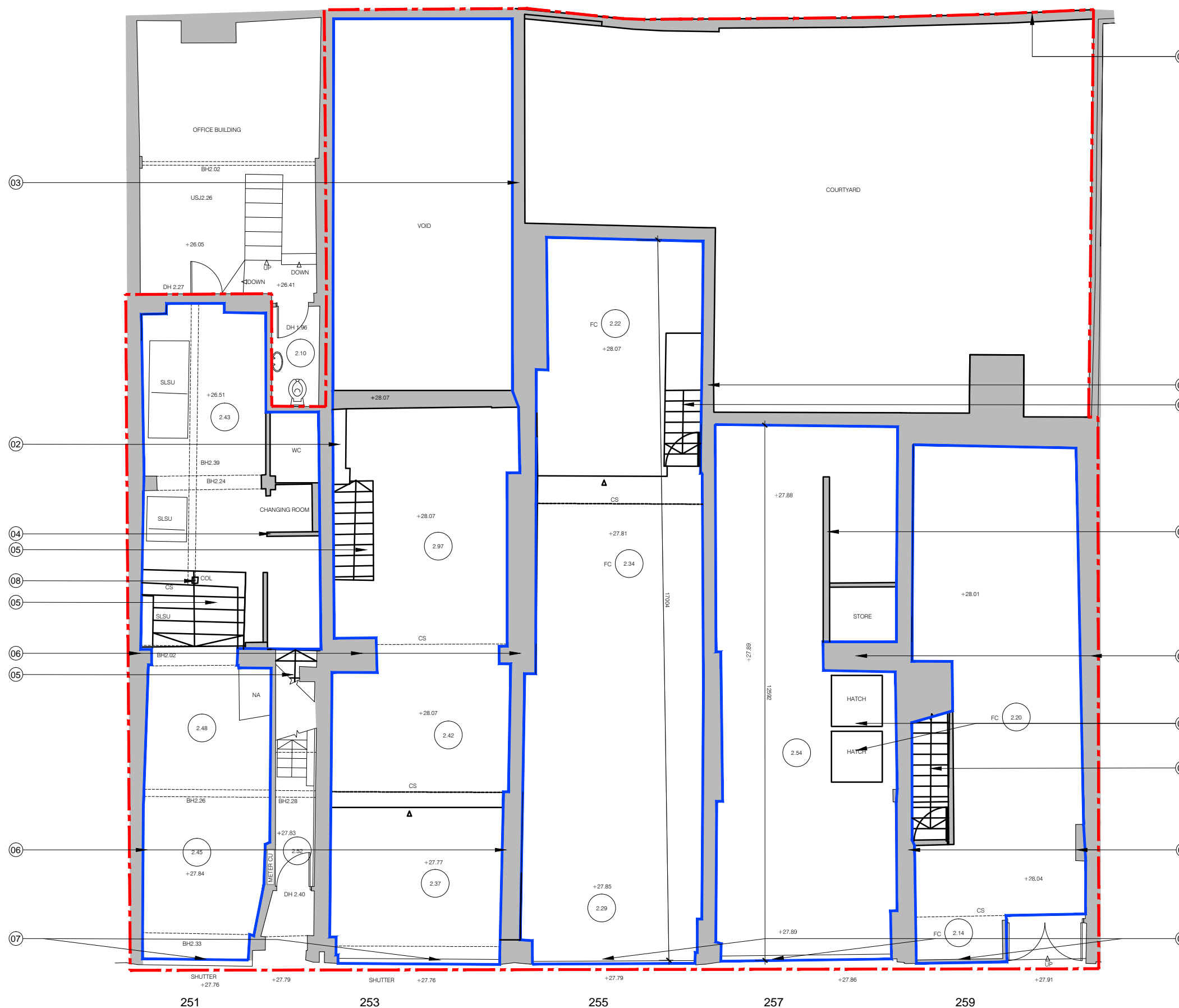
CAMDEN HIGH STREET

Key:

- - - Site Boundary
- Existing Retail Boundaries
- - - Existing Structure at High Level
- ⊙ Floor To Ceiling As Survey

Notes:

1. Existing boundary courtyard walls
2. Existing internal fit out
3. Existing external walls
4. Existing internal walls
5. Existing stair
6. Existing chimney
7. Existing shopfront with shutter
8. Existing column
9. Existing hatch



## For Planning

| Rev. | Description         | By | Date     |
|------|---------------------|----|----------|
| P1   | Issued for Planning | GV | 10.02.16 |
| P0   | Issued for Comment  | GV | 28.01.16 |

Client

**Castlehaven Row Ltd**

Project

**251-259 Camden High Street**

Title

**Existing Ground Floor Plan**

| Project No. | Drawing No.   | Rev.      |
|-------------|---------------|-----------|
| <b>1523</b> | <b>10.202</b> | <b>P1</b> |

Scale 1:50 @ A1 1:100 @ A3

| Drawn | Checked | Date     |
|-------|---------|----------|
| KT/GV | TJ      | 22.10.15 |

Do not scale from this drawing. The Contractor is to take and check all dimensions on site before work commences. Discrepancies must be reported to the Architect. Subcontractors must verify all dimensions on site before making a shop drawing or commencing work.

01 Existing Ground Floor  
10.202 Scale 1:100 @ A3

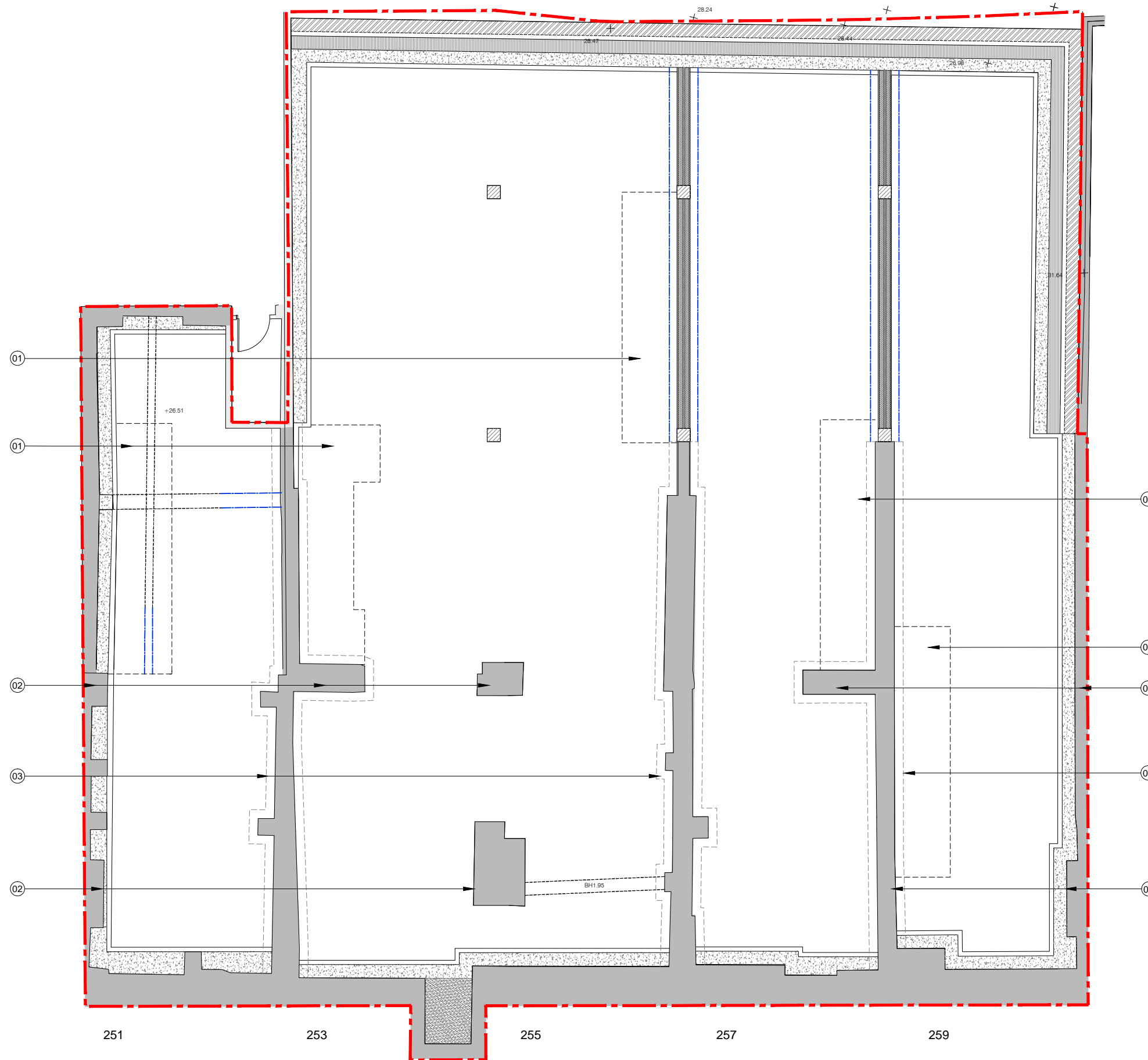
CAMDEN HIGH STREET

Key:

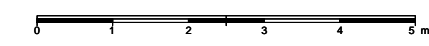
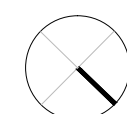
- - - - - Site Boundary
- Assumed existing foundation
- New structure/foundation

Notes:

1. Line of new stair
2. Existing chimney
3. Line of new footing cast in underpinning sequence



01 Proposed Foundation Plan  
20.200 Scale 1:100 @ A3



### For Planning

| Rev. | Description            | By | Date     |
|------|------------------------|----|----------|
| P1   | Issued for Planning    | GV | 10.02.16 |
| P0   | Issued for Information | GV | 27.01.16 |

Client  
**Castlehaven Row Ltd**

Project  
**251-259 Camden High Street**

Title  
**Proposed Foundation Plan**

| Project No.  | Drawing No.    | Rev.        |
|--------------|----------------|-------------|
| <b>1523</b>  | <b>20.200</b>  | <b>P1</b>   |
| <b>Scale</b> | 1:50 @ A1      | 1:100 @ A3  |
| <b>Drawn</b> | <b>Checked</b> | <b>Date</b> |
| GV           | TJ             | 18.01.16    |

Do not scale from this drawing. The Contractor is to take and check all dimensions on site before work commences. Discrepancies must be reported to the Architect. Subcontractors must verify all dimensions on site before making a shop drawing or commencing work.


## **APPENDIX B**

*BGS records and location plan*





Base figure taken from BGS online  
 Not to scale

|   |  |                           |
|---|--|---------------------------|
| Client<br><b>Castlehaven Row Limited</b>  | Project<br><b>251-259 Camden High Street, London</b> | Job No<br><b>CG/18648</b> |
|  | Title<br><b>BGS borehole location plan</b>           | <b>Appendix B</b>         |

BRITISH GEOLOGICAL SURVEY OF GREAT BRITAIN

(For Survey use only)

6-inch Map Registered No.

RECORD OF SHAFT OR BORE FOR MINERALS

TQ28SE/5

Name of Shaft or Bore given by Geological Survey:

Name and Number given by owner:

Whitakers brewery Hampstead road.

Nat. Grid Reference

28850 84138

For whom made

Town or Village

St. Pancras.

County

London

1" N.S. Map No.

256

1" O.S. Map No.

Confidential or not

Exact site

Attach a tracing from a map, or a sketch-map, if possible.

Purpose for which made

Water.

Ground Level at shaft bore relative to O.D.

If not ground level give O.D. of beginning of shaft bore

Made by

Date of sinking

Information from

Date received

Examined by

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only)  
GEOLOGICAL CLASSIFICATION

DESCRIPTION OF STRATA

THICKNESS

DEPTH

FT.

IN.

FT.

IN.

London memoir II, p.88  
in full.

300 91.44m

CAMDEN TOWN. Whitaker and Co.'s Brewery (late Chance's) by the canal and Hampstead Road.

MYLNE'S, "Sections of the London Strata."

(4572)

|                              | THICKNESS   | DEPTH       |
|------------------------------|-------------|-------------|
| London Clay                  | (42.67) 140 | 140 (42.67) |
| Reading Beds and Thanet Sand | (21.34) 70  | 210 (64.09) |
| Chalk                        | (27.43) 90  | 300 (91.44) |
|                              | (85.95)     |             |

SIR H. BESSEMER told me that the depth was 282 feet, and that at a depth of about 150 feet there was a thick bed of marine shells, with wood (much pyritized) and shark's teeth. This must be the basement-bed of the London Clay.



British Geological Survey  
**GEOLOGICAL SURVEY OF GREAT BRITAIN**  
 British Geological Survey

**RECORD OF SHAFT OR BORE FOR MINERALS**

(For Survey use only)

6-inch Map Registered No.

Name of Shaft or Bore given by Geological Survey:

TQ28SE/26

Name and Number given by owner:

Nat. Grid Reference

28762.94063

For whom made

Town or Village St. Pancras County London

1" N.S. Map No.

1" O.S. Map No.

Confidential or not

Exact site

Attach a tracing from a map, or a sketch-map, if possible.

256

Purpose for which made Trial

Ground Level at <sup>shaft</sup> <sub>bore</sub> relative to O.D. If not ground level give O.D. of beginning of <sup>shaft</sup> <sub>bore</sub>

Made by Date of sinking

Information from Date received

Examined by

**SPECIMEN NUMBERS AND ADDITIONAL NOTES**

(For Survey use only)

**GEOLOGICAL CLASSIFICATION**

**DESCRIPTION OF STRATA**

**THICKNESS**

**DEPTH**

Ft.

In.

Ft.

In.

London Atlas London sheet  
 N11 NW.

45  
 13.72m

GRAVELLY CLAY

10

6

10

6

LONDON CLAY.

34

6

45

0

GEOLOGICAL SURVEY OF GREAT BRITAIN

(For Survey use only)

6-inch Map Registered No.

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

TQ28SE/27

Name and Number given by owner:

Nat. Grid Reference

28920.83904

For whom made

Town or Village St. Pancras

County London

Exact site

Attach a tracing from a map, or a sketch-map, if possible.

1" N.S. Map No.

1" O.S. Map No.

Confidential or not

256

Purpose for which made Trial

Ground Level at shaft bore relative to O.D.

If not ground level give O.D. of beginning of shaft bore

Made by

Date of sinking

Information from

Date received

Examined by

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only)

GEOLOGICAL CLASSIFICATION

DESCRIPTION OF STRATA

THICKNESS

DEPTH

FT.

IN.

FT.

IN.

London atlas London sheet E.W.

40

12.15m

WELL BORING at *Bamden Town Tube Station*.

County *London* C 13

Geol. map

1 in. map New Series

6 in. map

*7 N.W. TQ 28 SE 27*

Made by

*TQ 28 SE* feet.

Date *1900.*

*28928390*

Sunk

Bored

feet.

*256*

Communicated by

*H. C. C.*

Height above Ordnance Datum

*89'*

Rest level of water

Yield

*(27-13m)*

Quality (with copy of analysis on separate sheet)

| GEOLOGICAL FORMATION | NATURE OF STRATA                             | THICKNESS |          | DEPTH     |               |
|----------------------|--|-----------|----------|-----------|---------------|
|                      |  | Feet      | Inches   | Feet      | Inches        |
|                      | <i>Made ground.<br/>River mud.<br/>Clay.</i> | <i>4</i>  | <i>-</i> | <i>4</i>  | <i>(1-20)</i> |
|                      |  | <i>2</i>  | <i>-</i> | <i>6</i>  | <i>(1-80)</i> |
|                      |  | <i>23</i> |          | <i>29</i> | <i>(8-80)</i> |
|                      | <i>For Hampstead Tube<br/>Railway</i>        |           |          |           |               |

Project ARLINGTON HOUSE, 220 ARLINGTON ROAD, CAMDEN, LONDON  
 Client [REDACTED]  
 British Geological Survey  
 Engineer [REDACTED] British Geological Survey  
 Boring Methods LIGHT CABLE PERCUSSION 150 mm DIAMETER  
 CASED 150 mm DIAMETER G.L. TO 1.50 m  
 UNCASD 1.50 TO 10.00 m British Geological Survey  
 Hole No. BH1  
 Sheet 1. of 1  
 Job No 10482

| WATER              |                   |                  | STRATA |   |          |                | SAMPLING/IN SITU TEST |            |            |                | LAB TESTING |     |                  |                  | OTHER TESTS AND NOTES |                     |  |
|--------------------|-------------------|------------------|--------|---|----------|----------------|-----------------------|------------|------------|----------------|-------------|-----|------------------|------------------|-----------------------|---------------------|--|
| Date/Time at Depth | Depth of Casing m | Depth to Water m | Inst.  | Description   | Legend   | Level m.A.O.D. | Depth m               | Depth m    | Type & No. | Blows/Strength | % < 425     | W % | W <sub>p</sub> % | W <sub>L</sub> % |                       | ρ Mg/m <sup>3</sup> | C <sub>u</sub> kN/m <sup>2</sup>   |
|                    |                   |                  |        | Made Ground (Reinforced concrete surfacing)   | [Symbol] | 26.56          | 0.10                  | 0.40       | D1         |                |             |     |                  |                  |                       |                     | Hand excavated from ground level to 1.20m (120mins)<br>CLEA screen with speciated polyaromatic hydrocarbons, total petroleum hydrocarbons and asbestos screen (D1) |
|                    |                   |                  |        | Made Ground (Dark grey subangular fine-coarse gravel size ash, clinker, brick and mortar fragments with occasional pieces of glass, plastic, wood and pottery)  | [Symbol] | 25.96          | 0.70                  | 0.80       | D2         |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        | Soft extremely closely fissured grey brown slightly sandy [silty] CLAY with some blue gleying and occasional partings of silt and sand (London Clay)<br>- occasional selenite crystals recorded at some depths<br>- rare partially decayed root traces recorded to 2.60m approximately<br>- becoming firm with increasing depth | [Symbol] |                |                       | 1.20-1.65  | U1         | (35)           | 100         | 31  | 22               | 69               | 1.96                  | 34                  | pH and Water Soluble Sulphate<br>One-dimensional Consolidation<br>British Geological Survey  |
|                    |                   |                  |        |   |          |                |                       | 1.65       | D3         |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 1.90       | D4         |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 2.10-2.60  | U2         | (35)           |             | 32  |                  |                  | 1.91                  | 48                  |  |
|                    |                   |                  |        |   |          |                |                       | 2.60       | D5         |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 2.90       | D6         |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 3.10-3.60  | U3         | (50)           | 100         | 31  | 23               | 73               | 1.95                  | 54                  |  |
|                    |                   |                  |        |   |          |                |                       | 3.60       | D7         |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 3.80       | D8         |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 4.10-4.20  | U4         | (100)          |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        | Very weak-weak brown CLAYSTONE [recovered as subangular fine-coarse gravel size fragments] (London Clay)  | [Symbol] | 22.46          | 4.20                  | 4.10-4.50  | 81         |                |             |     |                  |                  |                       |                     | Undisturbed sample attempted at 4.10m - failed on recovery<br>Chisel in use between 4.20 and 4.30m (30mins)  |
|                    |                   |                  |        | Firm extremely closely fissured dark grey brown [silty] CLAY (London Clay)  | [Symbol] | 22.36          | 4.30                  | 4.10-4.50  | 81         |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 5.00-5.45  | S1         | N=12           |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 5.45       | D9         |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 6.00       | D10        |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 6.50-7.00  | U5         | (55)           |             | 31  |                  |                  | 1.95                  | 71                  |  |
|                    |                   |                  |        |   |          |                |                       | 7.00       | D11        |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 7.50       | D12        |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 8.00-8.45  | S2         | N=20           |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 8.45       | D13        |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 9.00       | D14        |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 9.50-10.00 | U6         | (70)           | 100         | 31  | 26               | 74               | 1.97                  | 130                 |  |
|                    |                   |                  |        |   |          |                |                       | 10.00      | D15        |                |             |     |                  |                  |                       |                     |  |
|                    |                   |                  |        |   |          |                |                       | 16.66      |            |                |             |     |                  |                  |                       |                     |  |

|  |            |             |        |        |                      |                          |                             |  |  |       |                         |     |              |  |
|--|------------|-------------|--------|--------|----------------------|--------------------------|-----------------------------|--|--|-------|-------------------------|-----|--------------|--|
| Water Level observations during boring, depths below GL. |            |             |        |        | <b>WATER</b>         |                          | <b>SAMPLE KEY</b>           |  | <b>TEST KEY</b>                              |       | <b>BLOWS / STRENGTH</b> |     | Fieldwork    |  |
| Strike   | Depth Obs. | Depth after |        |        | 1 First Strike       | D Small disturbed sample | S Standard penetration test | N = N value  | 26/150 blows, for 150mm, drive after seating |       | By                      |     | Sheet 1 of 1 |  |
|  |            | 5min        | 10 min | 15 min | 2 Subsequent Strike  | B Bulk disturbed sample  | C Cone penetration test     | 26*, blows for part or whole of seating drive only |  | Dates |                         | BH1 |              |  |
|  |            |             |        |        | N - Overnight Depth  | W Water sample           | K Permeability test         | (26) U sample blow count                           |  | Log   |                         |     |              |  |
|  |            |             |        |        | C - Completion Depth | U Undisturbed sample     | V In situ vane test         | V = Vane Strength - kN/m <sup>2</sup>              |  |       |                         |     |              |  |
|  |            |             |        |        | S Seepage not rising | P Piston sample          |                             |  |  |       |                         |     |              |  |



Project ARLINGTON HOUSE, 220 ARLINGTON ROAD, CAMDEN, LONDON  
 Client [REDACTED]  
 British Geological Survey  
 Engineer [REDACTED] British Geological Survey  
 Boring Methods PERCUSSIVE WINDOW SAMPLER  
 Hole No. **WS1**  
 Sheet 1 of 1  
 Job No **10482**

Ground Level 25.38 m. A. D. D. Coordinates m.E. m.N.  
**WATER**      **STRATA**      **SAMPLING/IN SITU TEST**      **LAB TESTING**      **OTHER TESTS AND NOTES**

| Date/Time at Depth | Depth of Casing m | Depth to Water m | Inst.  | Description   | Legend | Level m.A.O.D. | Depth m | Depth m | Type & No. | Blows/Strength | % < 425 | W % | W <sub>p</sub> % | W <sub>L</sub> % | ρ Mg/m <sup>3</sup> | C <sub>u</sub> kN/m <sup>2</sup> | OTHER TESTS AND NOTES                 |
|--------------------|-------------------|------------------|--------|---|--------|----------------|---------|---------|------------|----------------|---------|-----|------------------|------------------|---------------------|----------------------------------|---------------------------------------|
|                    |                   |                  |        | Made Ground (Ceramic tiles)   |        | 25.37          | 0.01    |         |            |                |         |     |                  |                  |                     |                                  |                                       |
|                    |                   |                  |        | Made Ground (Weak concrete)   |        | 25.32          | 0.06    |         |            |                |         |     |                  |                  |                     |                                  |                                       |
|                    |                   |                  |        | Made Ground (Brick rubble and concrete cemented together with runny concrete)   |        | 25.20          | 0.18    | 0.30    | 01         |                |         |     |                  |                  |                     |                                  | Groundwater seepage recorded at 0.23m |
|                    |                   |                  |        | Made Ground (Weak concrete)   |        | 25.13          | 0.25    |         |            |                |         |     |                  |                  |                     |                                  |                                       |
|                    |                   |                  |        | Soft brown with occasional grey [silty] CLAY with occasional fine-medium gravel sized claystone and rare fine-medium gravel sized orange brown sand pockets (London Clay) - becoming stiff from 0.40m |        |                |         | 0.70    | 02         |                |         |     |                  |                  |                     |                                  |                                       |
|                    |                   |                  |        |   |        |                |         | 1.20    | 03         |                |         | 33  |                  |                  |                     |                                  | British Geological Survey             |
|                    |                   |                  |        |   |        |                |         | 1.50    | 04         |                |         |     |                  |                  |                     |                                  |                                       |
|                    |                   |                  |        |   |        |                |         | 2.00    | 05         |                | 100     | 33  | 25               | 74               |                     |                                  |                                       |
|                    |                   |                  |        |   |        |                |         | 2.50    | 06         |                |         |     |                  |                  |                     |                                  |                                       |
|                    |                   |                  |        |   |        |                |         | 3.00    | 07         |                |         | 30  |                  |                  |                     |                                  | British Geological Survey             |
| 02/10/06           |                   |                  | WET. C |   |        |                |         |         |            |                |         |     |                  |                  |                     |                                  |                                       |
|                    |                   |                  |        |   |        |                |         | 4.00    |            |                |         |     |                  |                  |                     |                                  | Window sampler hole complete at 4.00m |

|  |            |             |        |        |  |   |   |   |              |          |                            |
|--|------------|-------------|--------|--------|--|---|---|---|--------------|----------|----------------------------|
| Water Level observations during boring, depths below GL. |            |             |        |        | <b>WATER</b><br>▽ 1 First Strike<br>▽ 2 Subsequent Strike<br>N - Overnight Depth<br>C - Completion Depth<br>S - Seepage not rising | <b>SAMPLE KEY</b><br>D Small disturbed sample<br>B Bulk disturbed sample<br>W Water sample<br>U Undisturbed sample<br>P Piston sample | <b>TEST KEY</b><br>S Standard penetration test<br>C Cone penetration test<br>K Permeability test<br>V In situ vane test | <b>BLOWS / STRENGTH</b><br>N = N value<br>26/150 blows, for 150mm, drive after seating<br>26*, blows for part or whole of seating drive only<br>(26) U sample blow count<br>V = Vane Strength - kN/m <sup>2</sup> | Fieldwork By | AJD      | Sheet 1 of 1<br><b>WS1</b> |
| Strike   | Depth Obs. | Depth after |        |        |  |   |   |   | Dates        | 02/10/06 |                            |
|  |            | 5min        | 10 min | 15 min |  |   |   |   | 20 min       | Log      |                            |

|  |  |   |                      |
|--|--|---|----------------------|
| <b>Project</b> ARLINGTON HOUSE, 220 ARLINGTON ROAD, CAMDEN, LONDON | <b>Client</b> [REDACTED]                             | <b>Trial Pit Excavation Methods</b> BRADFORD WATTS HAND PIT | <b>Hole No.</b> TH1B |
| British Geological Survey  | <b>Engineer</b> [REDACTED] British Geological Survey | <b>Pit Dimensions:</b> Length - 1.92 m Width - 1.19 m       | <b>Sheet</b> 1 of 1  |
| <b>Ground Level</b> 25.35 m A.O.D.                                 | <b>Coordinates</b> m.E. m.N.                         | <b>Orientation:</b> Length -                                | <b>Job No</b> 10482  |

| WATER              |                  | STRATA   |                       |                | SAMPLING/IN SITU TEST |         | LAB TESTING |             |         |     | OTHER TESTS AND NOTES |      |   |
|--------------------|------------------|--|-----------------------|----------------|-----------------------|---------|-------------|-------------|---------|-----|-----------------------|------|---|
| Date/Time at Depth | Depth to Water m | Description  | Legend                | Level m.A.O.D. | Depth m               | Depth m | Type & No.  | Test Result | % < 425 | W % |                       | Wp % | W <sub>L</sub> %  |
| 25/10/06           | WET C            | Made Ground (Brickwork wall)   | [Cross-hatch pattern] | 24.97          | 0.38                  | 0.30    | D1          |             |         |     |                       |      | TH1B logged from north east face of Trial hole<br>CLEA screen with speciated polyaromatic hydrocarbons (D1)<br>Trial hole full of water on arrival<br><br>Water standing level 0.88m below basement floor level<br>Water level rose 0.60m in 2hrs 20mins from empty<br><br>CLEA screen with speciated polyaromatic hydrocarbons (W1)<br>Trial pit complete at 1.78m |
|                    |                  | Made Ground (Corbled brickwork)  | [Cross-hatch pattern] | 24.56          | 0.79                  | 0.80    | D2          |             |         |     |                       |      |   |
|                    |                  | Made Ground (Mass concrete foundation)   | [Dotted pattern]      | 23.66          | 1.69                  | 1.50    | D3          |             |         |     |                       |      |   |
|                    |                  | Firm brown fissured [silty] CLAY with blue grey gleying along fissures (London Clay) | [Diagonal lines]      | 23.57          | 1.78                  | 1.59    | W1          |             |         |     |                       |      |   |

**Pit Stability, Shoring, etc.**

No collapse of sides of trial pit

| Strike | Depth Obs. | Depth after |        |        |        |
|--------|------------|-------------|--------|--------|--------|
|        |            | 5min        | 10 min | 15 min | 20 min |
|        |            |             |        |        |        |

- WATER**
- 1 First Strike
  - 2 Subsequent Strike
  - N - Overnight Depth
  - C - Completion Depth
  - S Seepage not rising
- SAMPLE AND TEST KEY**
- D Small disturbed sample
  - B Bulk disturbed sample
  - W Water sample
  - U Undisturbed sample
  - K Percolation Test
  - PP Perth Penetrometer Test
  - HV Hand shear vane test
  - SRD Sand replacement density test
  - CBR In situ CBR test
  - PB Plate Bearing Test

- TEST RESULT**
- Np = Np Value
  - V = Average Hand Shear Vane Strength · kN/m<sup>2</sup>
  - BD = In-Situ Bulk Density · Mg/m<sup>3</sup>
  - CBR = California Bearing Ratio - %

|                     |          |
|---------------------|----------|
| <b>Fieldwork By</b> | GJB      |
| <b>Dates</b>        | 25/10/06 |
| <b>Log</b>          | GJB      |

|  |                                |   |   |                                     |
|--|--------------------------------|---|---|-------------------------------------|
| Project<br>ARLINGTON HOUSE, 220 ARLINGTON ROAD,<br>CAMDEN, LONDON<br>British Geological Survey | Client<br>[REDACTED]           | Engineer<br>[REDACTED] British Geological Survey  | Trial Pit<br>Excavation<br>Methods<br>BRADFORD WATTS HAND PIT | Hole No. <b>TH2A</b>                |
| Ground Level<br>25.38 m.A.O.D.   | Coordinates<br>[REDACTED] m.E. | Pit Dimensions: Length - 1.80 m<br>Width - 1.70 m | Orientation: Length -   | Sheet 1 of 1<br>Job No <b>10482</b> |

| WATER              |                  | STRATA  |                             |                |         | SAMPLING/IN SITU TEST |            | LAB TESTING |        |     |                  | OTHER TESTS AND NOTES       |  |
|--------------------|------------------|---|-----------------------------|----------------|---------|-----------------------|------------|-------------|--------|-----|------------------|-----------------------------|--|
| Date/Time at Depth | Depth to Water m | Description   | Legend                      | Level m.A.O.D. | Depth m | Depth m               | Type & No. | Test Result | % <425 | W % | W <sub>p</sub> % |                             | W <sub>L</sub> %   |
| 25/10/06           | WET C            | Made Ground (Floor tile)  | [Cross-hatch pattern]       | 25.34          | 0.04    |                       |            |             |        |     |                  |                             | TH2A logged from north west face of Trial hole<br><br>CLEA screen with speciated polycyclic aromatic hydrocarbons and total petroleum hydrocarbons (W1)<br>Trial hole full of water on arrival<br><br>Water standing level 0.35m below basement floor level<br>Water level rose 1.05m in 1hr 20mins from empty |
|                    |                  | Made Ground (Brick and concrete rubble)   |                             | 24.98          | 0.40    | 0.30                  | D1         |             |        |     |                  |                             |  |
|                    |                  | Firm brown fissured [silty] CLAY with blue grey gleying along fissures (London Clay) - water softened | [Wavy lines with 'x' marks] |                |         | 0.35                  | W1         |             |        |     |                  |                             |  |
|                    |                  |   |                             |                |         | 0.50                  | D2         |             |        |     |                  |                             |  |
|                    |                  |   |                             | 23.60          | 1.78    | 1.80                  | D3         | 100         | 36     | 24  | 74               | Trial pit complete at 1.80m |  |

|                                     |
|-------------------------------------|
| <b>Pit Stability, Shoring, etc.</b> |
| No collapse of sides of trial pit   |

| Strike | Depth Obs. | Depth after |        |        |        |
|--------|------------|-------------|--------|--------|--------|
|        |            | 5min        | 10 min | 15 min | 20 min |
|        |            |             |        |        |        |

| WATER                  | SAMPLE AND TEST KEY               | TEST RESULT  |
|------------------------|-----------------------------------|--|
| ∇ 1 First Strike       | D Small disturbed sample          | Np = Np Value  |
| ∇ 2 Subsequent Strike  | B Bulk disturbed sample           | V = Average Hand Shear Vane Strength - kN/m <sup>2</sup> |
| N - Overnight Depth    | W Water sample                    | BD = In-Situ Bulk Density - Mg/m <sup>3</sup>            |
| C - Completion Depth   | U Undisturbed sample              | CBR = California Bearing Ratio - %                       |
| S - Seepage not rising | K Percolation Test                |  |
|                        | PP Perth Penetrometer Test        |  |
|                        | HV Hand shear vane test           |  |
|                        | SRD Sand replacement density test |  |
|                        | CBR In situ CBR test              |  |
|                        | PB Plate Bearing Test             |  |

|              |          |
|--------------|----------|
| Fieldwork By | GJB      |
| Dates        | 25/10/06 |
| Log          | GJB      |



|   |  |  |  |
|---|--|--|--|
| <b>Project</b> ARLINGTON HOUSE, 220 ARLINGTON ROAD, CAMDEN, LONDON<br>British Geological Survey | <b>Client</b> [REDACTED]<br><b>Engineer</b> [REDACTED] British Geological Survey | <b>Trial Pit Excavation Methods</b> BRADFORD WATTS HAND PIT<br><b>Pit Dimensions:</b> Length - 1.53 m Width - 0.93 m<br><b>Orientation:</b> Length - | <b>Hole No.</b> TH3A<br><b>Sheet</b> 1 of 1<br><b>Job No</b> 10482 |
| <b>Ground Level</b> 25.40 m A.O.D.  | <b>Coordinates</b> m.E. m.N.   |  |  |

| WATER                     |                  | STRATA   |           |                | SAMPLING/IN SITU TEST |         | LAB TESTING |             |         |     | OTHER TESTS AND NOTES |                  |  |
|---------------------------|------------------|--|-----------|----------------|-----------------------|---------|-------------|-------------|---------|-----|-----------------------|------------------|--|
| Date/Time at Depth        | Depth to Water m | Description  | Legend    | Level m.A.O.D. | Depth m               | Depth m | Type & No.  | Test Result | % < 425 | W % |                       | W <sub>p</sub> % | W <sub>L</sub> %   |
| 25/10/06                  | WET C            | Made Ground (Floor tile)   | [Pattern] | 25.36          | 0.04                  | 0.52    | D1          |             |         |     |                       |                  | TH3A logged from north east face of Trial hole<br><br>Slight amount of water in base of Trial hole at 0.32m<br><br>Trial pit complete at 0.58m |
|                           |                  | Made Ground (Blinding concrete screed)                                     | [Pattern] | 25.33          | 0.07                  |         |             |             |         |     |                       |                  |  |
|                           |                  | Made Ground (Brickwork pier)   | [Pattern] | 25.24          | 0.16                  |         |             |             |         |     |                       |                  |  |
|                           |                  | Made Ground (Stone pad base)   | [Pattern] | 25.08          | 0.32                  |         |             |             |         |     |                       |                  |  |
|                           |                  | Made Ground (Brick rubble set in concrete)                                 | [Pattern] | 24.88          | 0.52                  |         |             |             |         |     |                       |                  |  |
|                           |                  | Made Ground (Brick rubble, crushed concrete ash, clinker and flint gravel) | [Pattern] | 24.82          | 0.58                  |         |             |             |         |     |                       |                  |  |
|                           |                  | Firm brown fissured (silty) CLAY (London Clay)                             |           | 24.82          | 0.58                  |         |             |             |         |     |                       |                  |  |
| British Geological Survey |                  |  |           |                |                       |         |             |             |         |     |                       |                  |  |

**Pit Stability, Shoring, etc.**  
No collapse of sides of trial pit  
British Geological Survey

| Strike | Depth Obs. | Depth after |        |        |        |
|--------|------------|-------------|--------|--------|--------|
|        |            | 5min        | 10 min | 15 min | 20 min |
|        |            |             |        |        |        |

- |  |   |  |
|--|---|--|
| <b>WATER</b><br>▼ 1 First Strike<br>▬ 2 Subsequent Strike<br>N - Overnight Depth<br>C - Completion Depth<br>S - Seepage not rising | <b>SAMPLE AND TEST KEY</b><br>D Small disturbed sample<br>B Bulk disturbed sample<br>W Water sample<br>U Undisturbed sample<br>K Percolation Test | <b>TEST RESULT</b><br>NP = NP Value<br>V = Average Hand Shear Vane Strength - kN/m <sup>2</sup><br>BD = In-Situ Bulk Density - Mg/m <sup>3</sup><br>CBR = California Bearing Ratio - % |
|--|---|--|

|                     |          |              |             |
|---------------------|----------|--------------|-------------|
| <b>Fieldwork By</b> | GJB      | Sheet 1 of 1 | <b>TH3A</b> |
| <b>Dates</b>        | 25/10/06 |              |             |
| <b>Log</b>          | GJB      |              |             |

RSA GEOTECHNICS LTD

(01449) 723723



|  |  |   |                         |
|--|--|---|-------------------------|
| Project<br>ARLINGTON HOUSE, 220 ARLINGTON ROAD,<br>CAMDEN, LONDON<br>British Geological Survey | Client<br>[REDACTED]                             | Trial Pit<br>Excavation<br>Methods<br>BRADFORD WATTS HAND PIT | Hole No.<br><b>TH4D</b> |
| Ground Level<br>25.40 m A.O.D.   | Engineer<br>[REDACTED] British Geological Survey | Pit Dimensions: Length - 1.46 m<br>Width - 1.43 m             | Sheet<br>1 of 1         |
| Coordinates<br>m.E. m.N.   | Orientation: Length -                            | Job No<br><b>10482</b>  |                         |

| WATER              |                  | STRATA   |        |                | SAMPLING/IN SITU TEST |         | LAB TESTING |             |         |     | OTHER TESTS AND NOTES |                  |  |
|--------------------|------------------|--|--------|----------------|-----------------------|---------|-------------|-------------|---------|-----|-----------------------|------------------|--|
| Date/Time at Depth | Depth to Water m | Description  | Legend | Level m.A.O.D. | Depth m               | Depth m | Type & No.  | Test Result | % < 425 | W % |                       | W <sub>p</sub> % | W <sub>L</sub> %   |
| 25/10/06           | WET C            | Made Ground (Floor tile)   |        | 25.36          | 0.04                  |         |             |             |         |     |                       |                  | TH4D logged from south west face of Trial hole<br><br>CLEA screen with speciated polyanomatic hydrocarbons (D1)<br>Trial hole full of water on arrival<br><br>Water standing level 1.14m below basement floor level<br>CLEA screen with speciated polyanomatic hydrocarbons (W1)<br>Water level rose 0.50m in 45mins from empty<br><br>Trial pit complete at 1.80m |
|                    |                  | Made Ground (Crushed brick and concrete)   |        | 25.05          | 0.35                  | 0.32    | D1          |             |         |     |                       |                  |  |
|                    |                  | Firm brown fissured [silty] CLAY with blue grey gleying along fissures (London Clay) |        |                |                       | 0.50    | D2          |             |         |     |                       |                  |  |
|                    |                  | - water softened below 1.14m<br>British Geological Survey                            |        |                |                       | 1.00    | D3          |             |         |     |                       |                  |  |
|                    |                  |  |        |                |                       | 1.14    | W1          |             |         |     |                       |                  |  |
|                    |                  |  |        | 23.60          | 1.80                  |         |             |             |         |     |                       |                  |  |

**Pit Stability, Shoring, etc.**

No collapse of sides of trial pit

| Strike | Depth Obs. | Depth after |        |        |        |
|--------|------------|-------------|--------|--------|--------|
|        |            | 5min        | 10 min | 15 min | 20 min |
|        |            |             |        |        |        |

| WATER                |                          | SAMPLE AND TEST KEY               |   | TEST RESULT  |  |
|----------------------|--------------------------|-----------------------------------|---|--|--|
| 1 First Strike       | D Small disturbed sample | PP Perth Penetrometer Test        | Np = Np Value                                 | V = Average Hand Shear Vane Strength - kN/m <sup>2</sup> |  |
| 2 Subsequent Strike  | B Bulk disturbed sample  | HV Hand shear vane test           | BD = In-Situ Bulk Density - Mg/m <sup>3</sup> | CBR = California Bearing Ratio - %                       |  |
| N - Overnight Depth  | W Water sample           | SRD Sand replacement density test |   |  |  |
| C - Completion Depth | U Undisturbed sample     | CBR In situ CBR test              |   |  |  |
| S Seepage not rising | K Percolation Test       | PB Plate Bearing Test             |   |  |  |

|              |          |                             |
|--------------|----------|-----------------------------|
| Fieldwork By | GJB      | Sheet 1 of 1<br><b>TH4D</b> |
| Dates        | 25/10/06 |                             |
| Log          | GJB      |                             |

Project ARLINGTON HOUSE, 220 ARLINGTON ROAD, CAMDEN, LONDON  
 Client [REDACTED]  
 Trial Pit Excavation Methods BRADFORD WATTS HAND PIT  
 Hole No. TH6C  
 British Geological Survey  
 Engineer [REDACTED] British Geological Survey  
 Sheet 1 of 1  
 Ground Level 25.44 m.A.O.D. Coordinates m.E. m.N. Pit Dimensions: Length - 1.50 m Width - 1.40 m  
 Job No 10482

| WATER              |                  | STRATA   |           |                | SAMPLING/IN SITU TEST |         |            | LAB TESTING |         |     |                  | OTHER TESTS AND NOTES |   |
|--------------------|------------------|--|-----------|----------------|-----------------------|---------|------------|-------------|---------|-----|------------------|-----------------------|---|
| Date/Time at Depth | Depth to Water m | Description  | Legend    | Level m.A.O.D. | Depth m               | Depth m | Type & No. | Test Result | % < 425 | W % | W <sub>p</sub> % |                       | W <sub>L</sub> %  |
| 30/10/06           | DRY C            | Made Ground (Floor tile)   | [Pattern] | 25.42          | 0.02                  |         |            |             |         |     |                  |                       | TH6C logged from north west face of Trial hole<br><br>No groundwater recorded during fieldwork<br><br>Trial pit complete at 1.27m |
|                    |                  | Made Ground (Reinforced concrete)  | [Pattern] | 25.37          | 0.07                  |         |            |             |         |     |                  |                       |   |
|                    |                  | Made Ground (Concrete and brick rubble)                                      | [Pattern] | 25.04          | 0.40                  |         |            |             |         |     |                  |                       |   |
|                    |                  | Firm orange brown [silty] CLAY with pockets of orange brown fine-medium sand | [Pattern] |                |                       | 0.50    | D1         | V=66        |         |     |                  |                       |   |
|                    |                  |  |           |                |                       | 0.50    | HV1        |             |         |     |                  |                       |   |
|                    |                  |  |           |                |                       | 1.00    | O2         | V=65        |         |     |                  |                       |   |
|                    |                  |  |           |                |                       | 1.00    | HV2        |             |         |     |                  |                       |   |
|                    |                  |  |           | 24.17          | 1.27                  |         |            |             |         |     |                  |                       |   |

Pit Stability, Shoring, etc.  
 No collapse of sides of trial pit

| Strike | Depth Obs. | Depth after |        |        |        |
|--------|------------|-------------|--------|--------|--------|
|        |            | 5min        | 10 min | 15 min | 20 min |
|        |            |             |        |        |        |

**WATER**  
 ▽ 1 First Strike  
 ▽ 2 Subsequent Strike  
 N - Overnight Depth  
 C - Completion Depth  
 S Seepage not rising

**SAMPLE AND TEST KEY**  
 D Small disturbed sample  
 B Bulk disturbed sample  
 W Water sample  
 U Undisturbed sample  
 K Percolation Test

**TEST RESULT**  
 PP Perth Penetrometer Test  
 HV Hand shear vane test  
 SRD Sand replacement density test  
 CBR In situ CBR test  
 PB Plate Bearing Test

**TEST RESULT**  
 N<sub>p</sub> = N<sub>p</sub> Value  
 V = Average Hand Shear Vane Strength - kN/m<sup>2</sup>  
 BD = In-Situ Bulk Density - Mg/m<sup>3</sup>  
 CBR = California Bearing Ratio - %

Fieldwork By GJB  
 Dates 30/10/06  
 Log GJB  
 Sheet 1 of 1  
**TH6C**

|  |  |   |                      |
|--|--|---|----------------------|
| Project<br>ARLINGTON HOUSE, 220 ARLINGTON ROAD,<br>CAMDEN, LONDON<br>British Geological Survey | Client<br>[REDACTED]                             | Trial Pit<br>Excavation<br>Methods<br>BRADFORD WATTS HAND PIT | Hole No. <b>TH7B</b> |
| Ground Level<br>25.35 m. A.O.D.  | Engineer<br>[REDACTED] British Geological Survey | Pit Dimensions: Length - 2.13 m<br>Width - 1.80 m             | Sheet 1 of 1         |
| Coordinates<br>m.E. m.N.   |  | Orientation: Length -   | Job No <b>10482</b>  |

| WATER              |                  | STRATA   |                          |                | SAMPLING/IN SITU TEST |              |            | LAB TESTING |         |     |                  | OTHER TESTS AND NOTES |  |
|--------------------|------------------|--|--------------------------|----------------|-----------------------|--------------|------------|-------------|---------|-----|------------------|-----------------------|--|
| Date/Time at Depth | Depth to Water m | Description  | Legend                   | Level m.A.O.D. | Depth m               | Depth m      | Type & No. | Test Result | % < 425 | W % | W <sub>p</sub> % |                       | W <sub>L</sub> %   |
| 25/10/06           | WET C            | Made Ground (Floor tile)   | [Cross-hatch pattern]    | 25.31          | 0.04                  |              |            |             |         |     |                  |                       | TH7B logged from south east face of Trial hole<br><br>Trial hole full of water on arrival<br><br>Water standing level 1.40m below basement floor level<br>Water level rose 0.35m in 1hr from empty<br>Water entering excavation from base of foundation and through pore space in concrete<br>CLEA screen with speciated polyaromatic hydrocarbons (WI)<br>Trial pit complete at 1.75m |
|                    |                  | Made Ground (Brick and concrete rubble)  | [Diagonal lines pattern] | 24.97          | 0.38                  | 0.33         | D1         |             |         |     |                  |                       |  |
|                    |                  | Firm brown fissured [silty] CLAY with blue grey gleying along fissures (London Clay) | [Wavy lines pattern]     |                |                       | 0.70         | D2         |             |         |     |                  |                       |  |
|                    |                  | British Geological Survey<br>- water softened below 1.40m                            | [Wavy lines pattern]     |                |                       | 1.60<br>1.70 | W1<br>D3   |             |         |     |                  |                       |  |
|                    |                  |  |                          | 23.60          | 1.75                  |              |            |             |         |     |                  |                       |  |

**Pit Stability, Shoring, etc.**

No collapse of sides of trial pit

| Strike | Depth Obs. | Depth after |        |        |        |
|--------|------------|-------------|--------|--------|--------|
|        |            | 5min        | 10 min | 15 min | 20 min |
|        |            |             |        |        |        |

| WATER |                    | SAMPLE AND TEST KEY |                        |     | TEST RESULT                   |  |
|-------|--------------------|---------------------|------------------------|-----|-------------------------------|--|
| 1     | First Strike       | D                   | Small disturbed sample | PP  | Perth Penetrometer Test       | Np = Np Value  |
| 2     | Subsequent Strike  | B                   | Bulk disturbed sample  | HV  | Hand shear vane test          | V = Average Hand Shear Vane Strength - kN/m <sup>2</sup> |
| N     | Overnight Depth    | W                   | Water sample           | SRD | Sand replacement density test | BD = In-Situ Bulk Density - Mg/m <sup>3</sup>            |
| C     | Completion Depth   | U                   | Undisturbed sample     | CBR | In situ CBR test              | CBR = California Bearing Ratio - %                       |
| S     | Seepage not rising | K                   | Percolation Test       | PB  | Plate Bearing Test            |  |

|              |          |              |             |
|--------------|----------|--------------|-------------|
| Fieldwork By | GJB      | Sheet 1 of 1 | <b>TH7B</b> |
| Dates        | 25/10/06 |              |             |
| Log          | GJB      |              |             |

|  |  |   |                      |
|--|--|---|----------------------|
| <b>Project</b> ARLINGTON HOUSE, 220 ARLINGTON ROAD, CAMDEN, LONDON | <b>Client</b> [REDACTED]                             | <b>Trial Pit Excavation Methods</b> BRADFORD WATTS HAND PIT | <b>Hole No.</b> TH8C |
| British Geological Survey  | <b>Engineer</b> [REDACTED] British Geological Survey | <b>Pit Dimensions:</b> Length - 1.80 m Width - 3.40 m       | <b>Sheet</b> 1 of 1  |
| <b>Ground Level</b> 25.33 m.A.O.D.                                 | <b>Coordinates</b> m.E. m.N.                         | <b>Orientation:</b> Length -                                | <b>Job No</b> 10482  |

| WATER              |                  | STRATA   |                                   |                | SAMPLING/IN SITU TEST     |         |            | LAB TESTING               |         |     |      | OTHER TESTS AND NOTES     |  |
|--------------------|------------------|--|-----------------------------------|----------------|---------------------------|---------|------------|---------------------------|---------|-----|------|---------------------------|--|
| Date/Time at Depth | Depth to Water m | Description  | Legend                            | Level m.A.O.D. | Depth m                   | Depth m | Type & No. | Test Result               | % < 425 | W % | Wp % |                           | W <sub>L</sub> %   |
| 30/10/06           | DRY C            | Made Ground (Floor tile)                           | [Cross-hatch pattern]             | 25.31          | 0.02                      | 0.20    | D1         |                           |         |     |      |                           | TH8C logged from south east face of Trial hole<br><br>No groundwater recorded during fieldwork<br><br>Water in hole from Diamond Drilling corehole in wall above pit.<br><br>Trial pit complete at 1.09m |
|                    |                  | Made Ground (Concrete and crushed brick rubble)    | [Cross-hatch pattern]             | 24.98          | 0.35                      | 0.50    | D2         | V-85                      |         |     |      |                           |  |
|                    |                  | Firm-stiff orange brown [silty] CLAY (London Clay) | [Horizontal lines with 'x' marks] | 24.24          | 1.09                      |         |            |                           |         |     |      |                           |  |
|                    |                  | British Geological Survey                          |                                   |                | British Geological Survey |         |            | British Geological Survey |         |     |      | British Geological Survey |  |

|                                     |  |
|-------------------------------------|--|
| <b>Pit Stability, Shoring, etc.</b> |  |
| No collapse of sides of trial pit   |  |
| British Geological Survey           |  |

| Strike | Depth Obs. | Depth after |        |        |        |
|--------|------------|-------------|--------|--------|--------|
|        |            | 5min        | 10 min | 15 min | 20 min |
|        |            |             |        |        |        |

- WATER**
- ▼ 1 First Strike
  - ∇ 2 Subsequent Strike
  - N - Overnight Depth
  - C - Completion Depth
  - S Seepage not rising
- SAMPLE AND TEST KEY**
- D Small disturbed sample
  - B Bulk disturbed sample
  - W Water sample
  - U Undisturbed sample
  - K Percolation Test
  - PP Perth Penetrometer Test
  - HV Hand shear vane test
  - SRD Sand replacement density test
  - CBR In situ CBR test
  - PB Plate Bearing Test

- TEST RESULT**
- Np = Np Value
  - V = Average Hand Shear Vane Strength - kN/m<sup>2</sup>
  - BD = In-Situ Bulk Density - Mg/m<sup>3</sup>
  - CBR = California Bearing Ratio - %

|                     |          |                             |
|---------------------|----------|-----------------------------|
| <b>Fieldwork By</b> | GJB      | <b>TH8C</b><br>Sheet 1 of 1 |
| <b>Dates</b>        | 30/10/03 |                             |
| <b>Log</b>          | GJB      |                             |