

NOT TO SCALE

APPROXIMATE
SITE BOUNDARY

Project:

51 Lancaster Grove, Belsize Park, London NW3 4HB

Figure 1

Client:

Basement Design Studio c/o Croft Structural Engineers

Date:

November 2017

Site Location Plan

Ref:

GWPR2283

ground&water



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**APPROXIMATE
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Site Development Area

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Figure 2

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Aerial View of the Site

Figure 3

ground&water

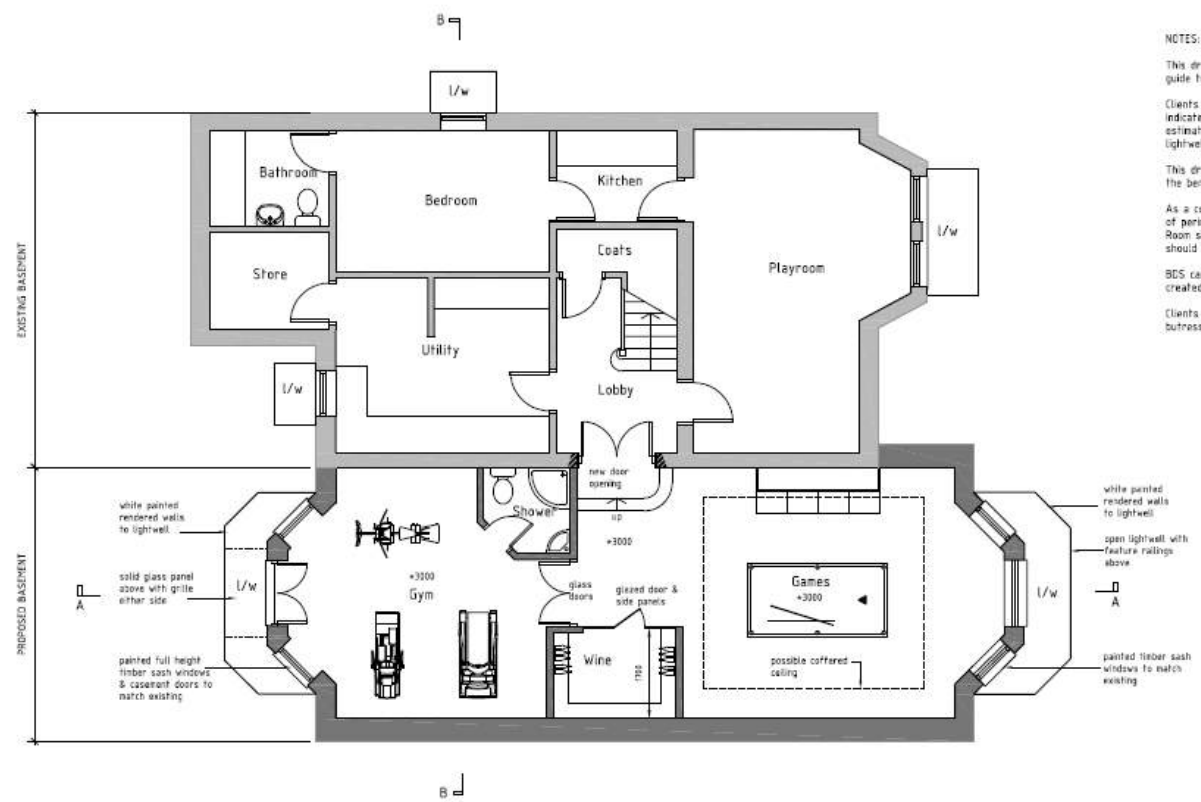


SCHEDULE OF AREAS:

(Gross internal)
 New Basement Area (as drawn):
 64.3 sq m (692 sq ft.)

NOTES:

- This drawing is intended as a scheme proposal and serves as a guide to clients to indicate possible room configurations.
- Clients should be aware that these scheme proposals may indicate works that may not have been allowed for in the initial estimate such as additional excavation, enlarged or additional lightwells and/or the removal of chimneys.
- This drawing has been based on a dimensional survey without the benefit of trial holes or other exploratory works.
- As a consequence this drawing does not necessarily take account of perimeter wall thicknesses and/or foundation projections. Room sizes are therefore approximate and scaled dimensions should not be relied upon.
- BDS cannot guarantee that all additional space indicated can be created in areas where access was not available.
- Clients are advised that additional supports, piers, posts or buttresses may be required in the final structural design.



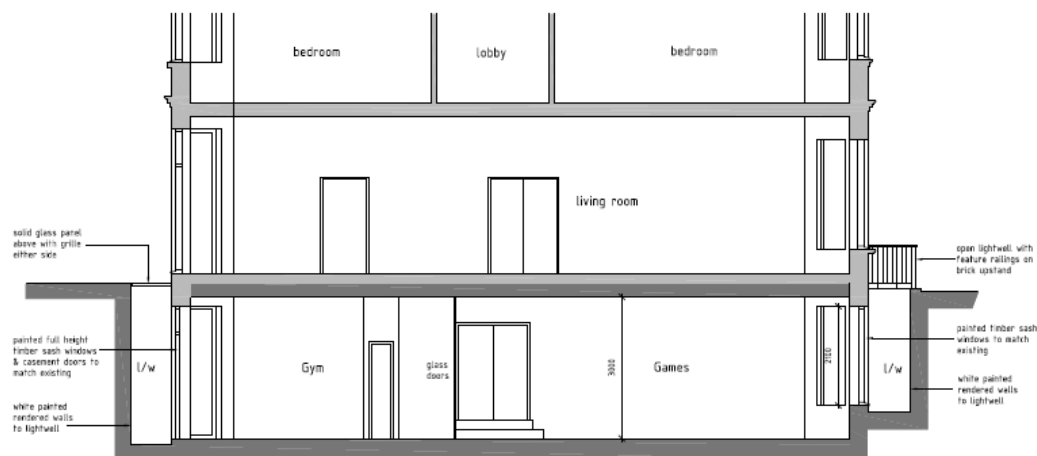
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BASEMENT FLOOR PLAN (AS PROPOSED)

Project:		51 Lancaster Grove, Belsize Park, London NW3 4HB
Client:	Basement Design Studio c/o Croft Structural Engineers	Date: November 2017
Proposed Development Plan		Ref: GWPR2283

Figure 4

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LONGITUDINAL SECTION A-A (AS PROPOSED)



CROSS SECTION B-B (AS PROPOSED)

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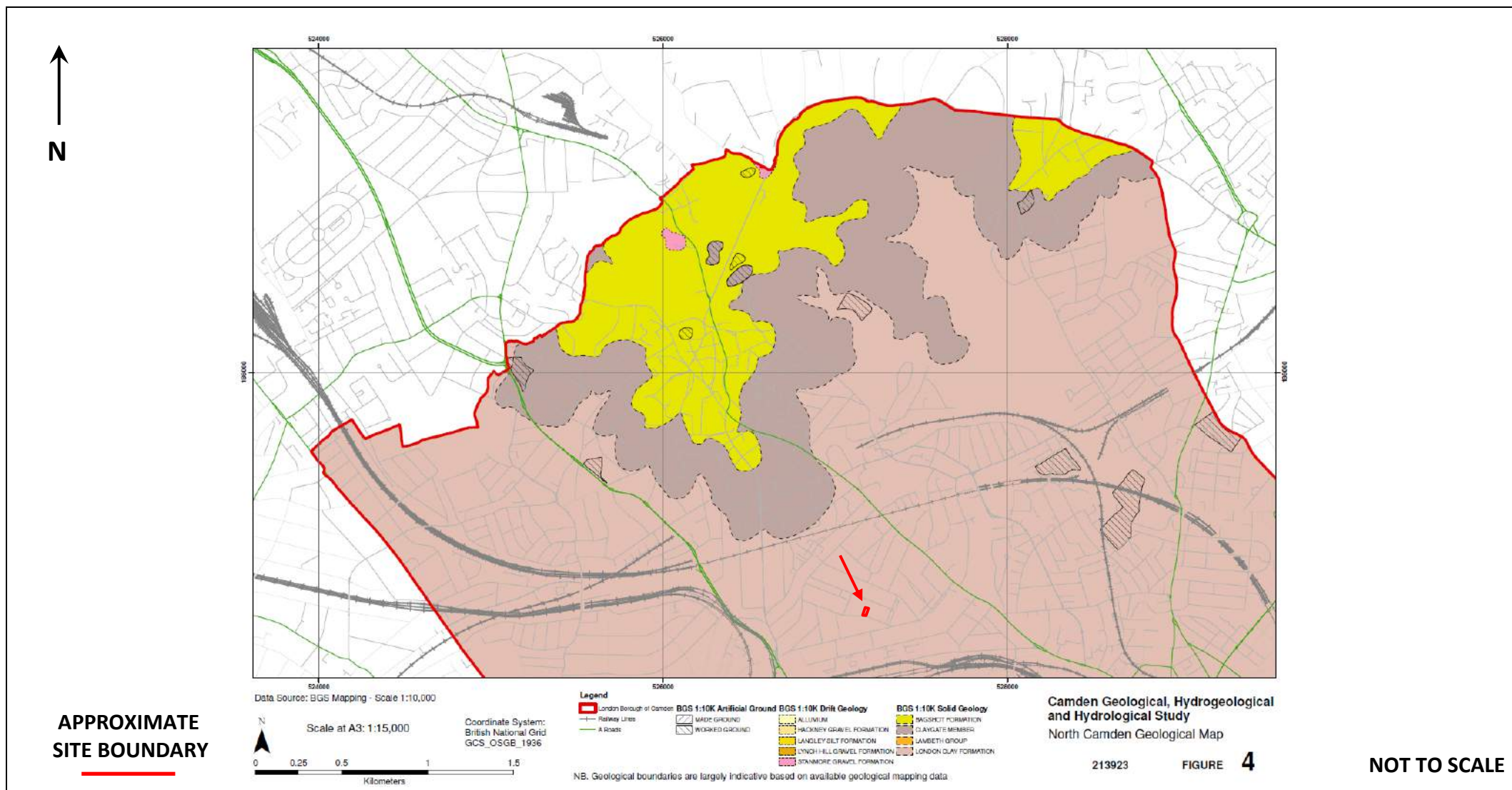
Proposed Development Section

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Figure 5

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Project:

51 Lancaster Grove, Belsize Park, London NW3 4HB

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Date:

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North Camden Geological, Hydrogeological and Hydrological Study - Figure 4

Ref:

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Figure 6

ground&water



Areas of greatest potential for slope instability

The assessment of the potential for slope instability

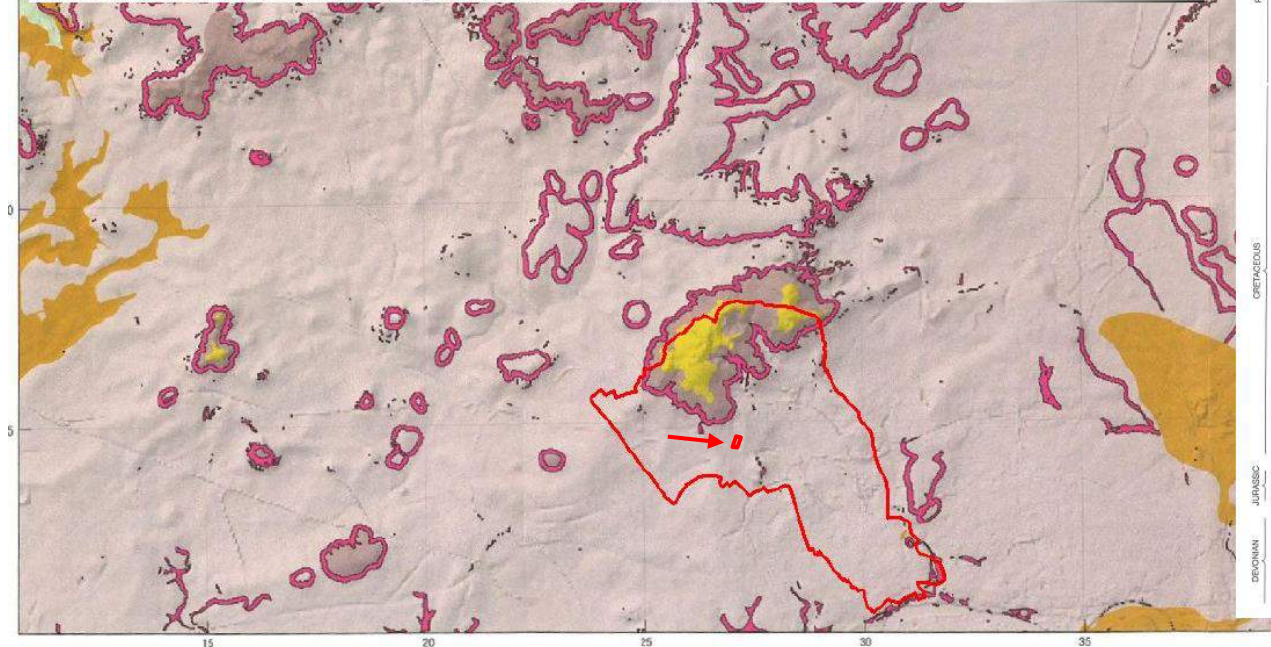
Due to a long history of intensive landuse and urban development it has only been possible to recognise and map, with confidence, a few areas of past landslide activity. However, beyond the north London district, areas of similar bedrock geology and topography contain significant areas of mapped landslides. Therefore, a slope instability assessment has been made to act as a guide to where areas of significant landslide potential are present, but obscured, and where further information regarding their stability are needed before development or major changes in landuse are made (Forster et al. 2003).

The assessment used a deterministic approach that looks at the presence at a site of landslide causative factors, such as slope angle, lithology and groundwater conditions that increase the susceptibility of a site to landslide activity. The causative factors were weighted according to their relative importance in promoting landslides and combined in a Geographical Information System to produce a computer-generated map of the relative susceptibility to landslide activity across the area. It does not necessarily mean that landslides have happened in the past or will do so in the future but if conditions change through natural or artificial means and a causative factor increases, then slope instability may be triggered.

This assessment gave a measure of the potential landslide activity divided into five classes ranging from zero to very high. For clarity the two highest classes, HIGH and VERY HIGH have been combined on this map to give a single rating to indicate the presence of a significant potential. More detailed information about particular locations may be obtained through the BGS Enquiry Service enquiries@bgs.ac.uk. Telephone 0115 936 3143.

The shaded relief image is derived from NEXTMap™ Digital Elevation Model (DEM) data gridded at 10 m intervals. Illumination is from the north-west and vertical exaggeration is x10. Artificial artefacts such as buildings have been removed from this dataset using smoothing algorithms. The geology of the district can be related to the topography as revealed by the image. The hill tops capped by the Claygate Member and Bagehot Formation are clearly identifiable. The watersheds dividing the Thames, Lea and Colne river valleys are visible, as are the large reservoirs on the floor of the Lea valley.

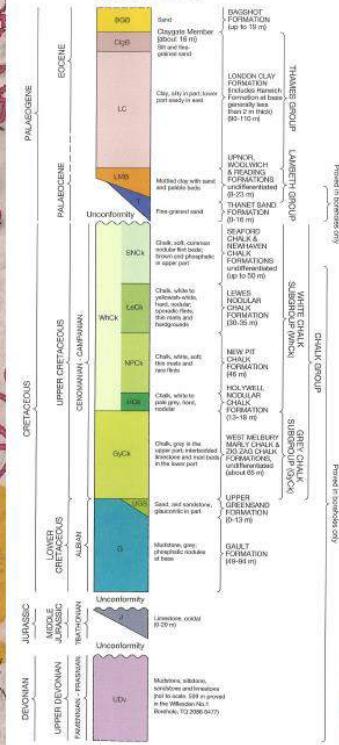
FORSTER A, WILDMAN G AND POULTON C. 2003. Landslide potential modelling of North London. British Geological Survey Internal Report, IR/03/122R.



Areas of significant landslide potential

GENERALIZED VERTICAL SECTION

Scale 1:2500 (1 cm to 25 m)



Source - British Geological Society, 1:50,000 Series
England and Wales Sheet 256 - North London

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Camden Geological, Hydrogeological
and Hydrological Study
Areas of landslide potential

213923

FIGURE 17

NOT TO SCALE

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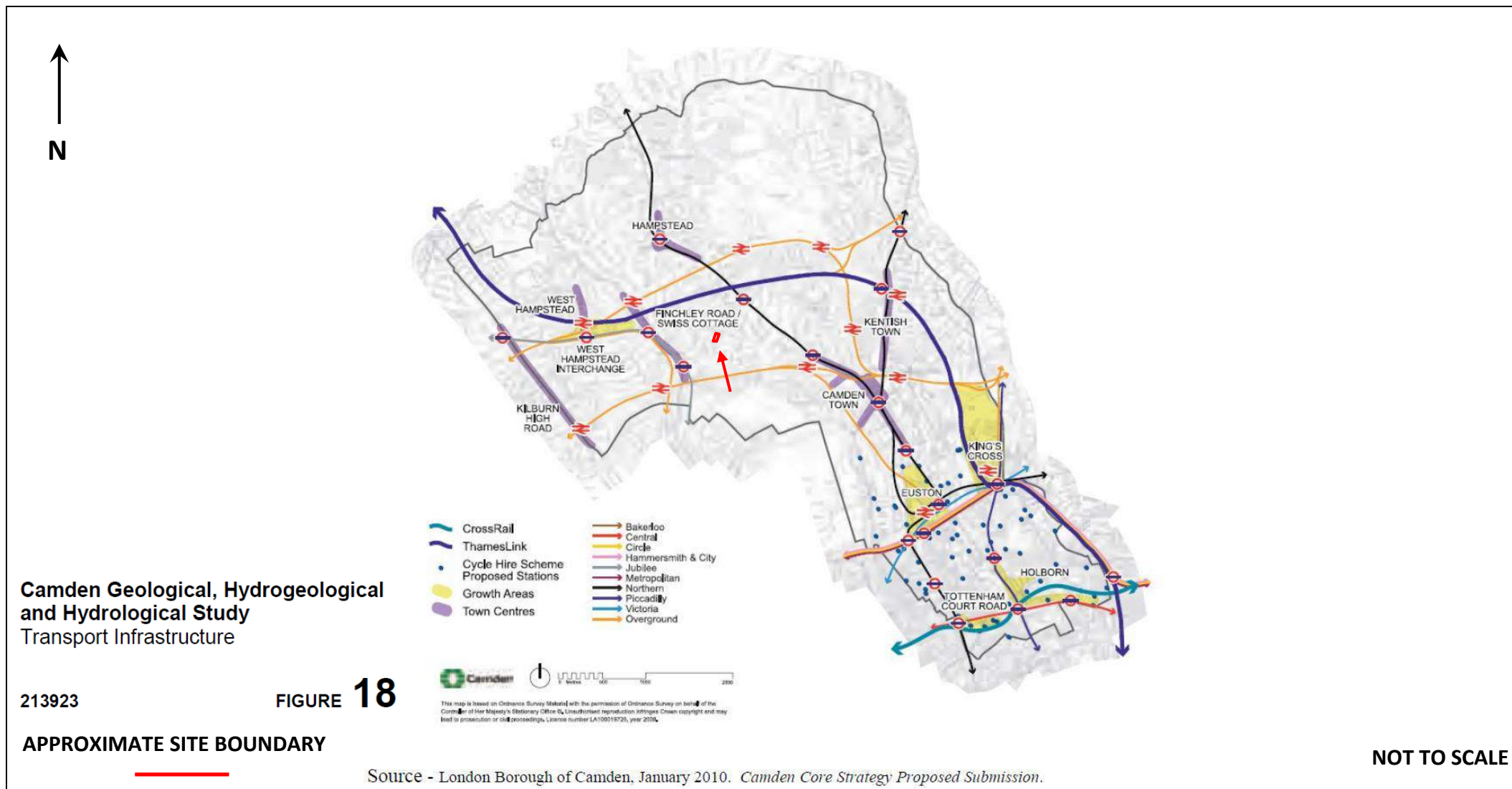
Camden Geological, Hydrogeological and Hydrological
Study - Figure 17


Ref:

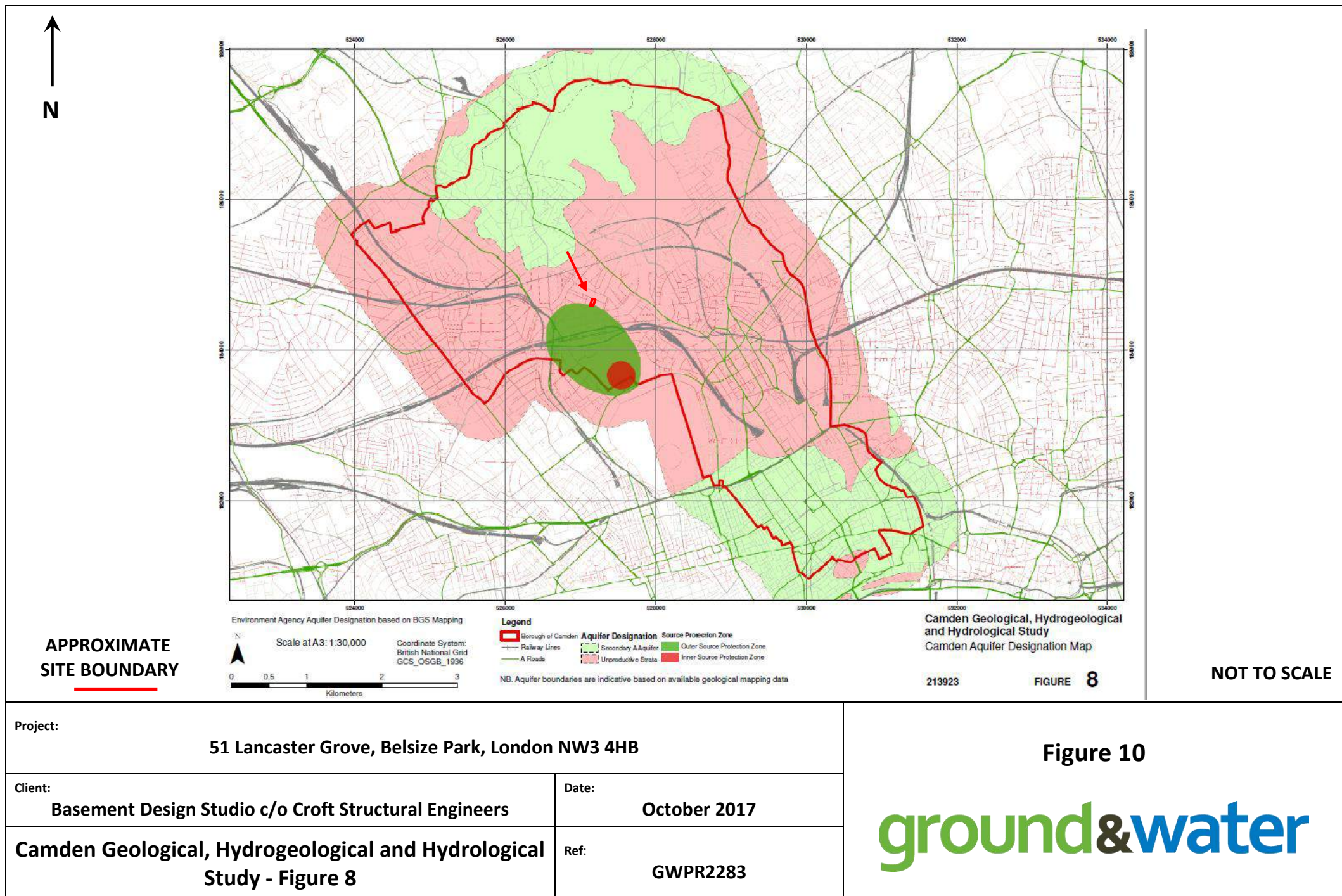
GWPR2283

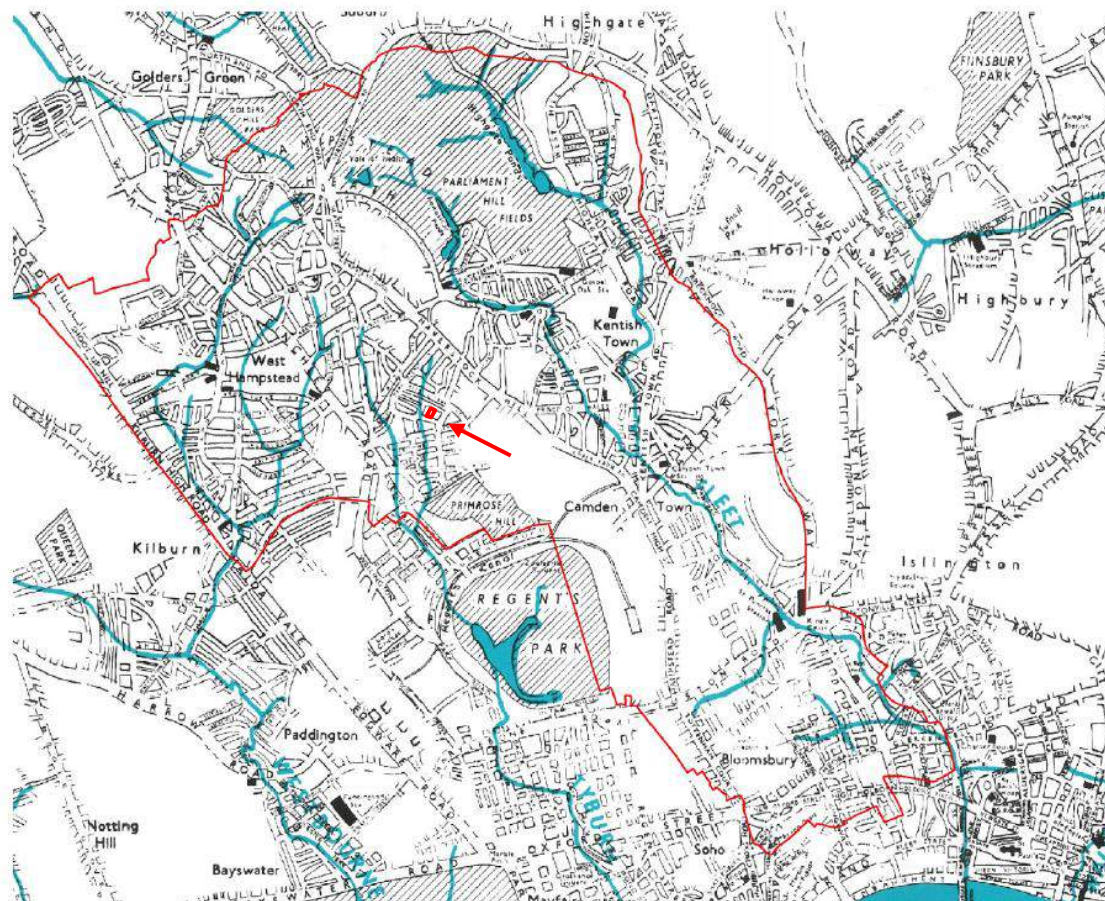
Figure 8

ground&water



Project: 51 Lancaster Grove, Belsize Park, London NW3 4HB		<div>Figure 9</div> <div></div>
Client: Basement Design Studio c/o Croft Structural Engineers	Date: November 2017	
Camden Geological, Hydrogeological and Hydrological Study - Figure 18	Ref: GWPR2283	





**APPROXIMATE
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Source – Barton, Lost Rivers of London

Camden Geological, Hydrogeological
and Hydrological Study
Watercourses

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FIGURE 11

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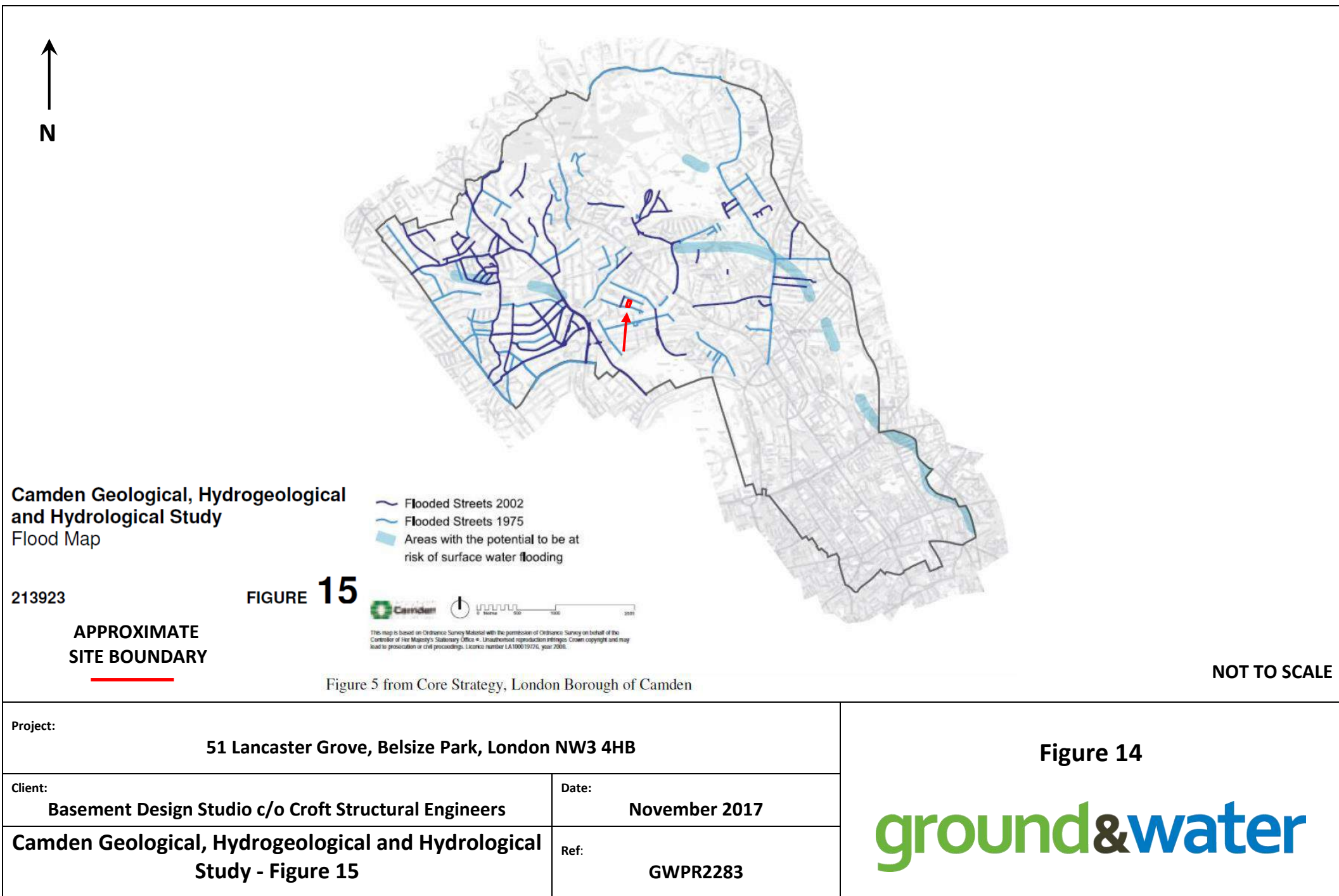
Camden Geological, Hydrogeological and Hydrological
Study - Figure 11

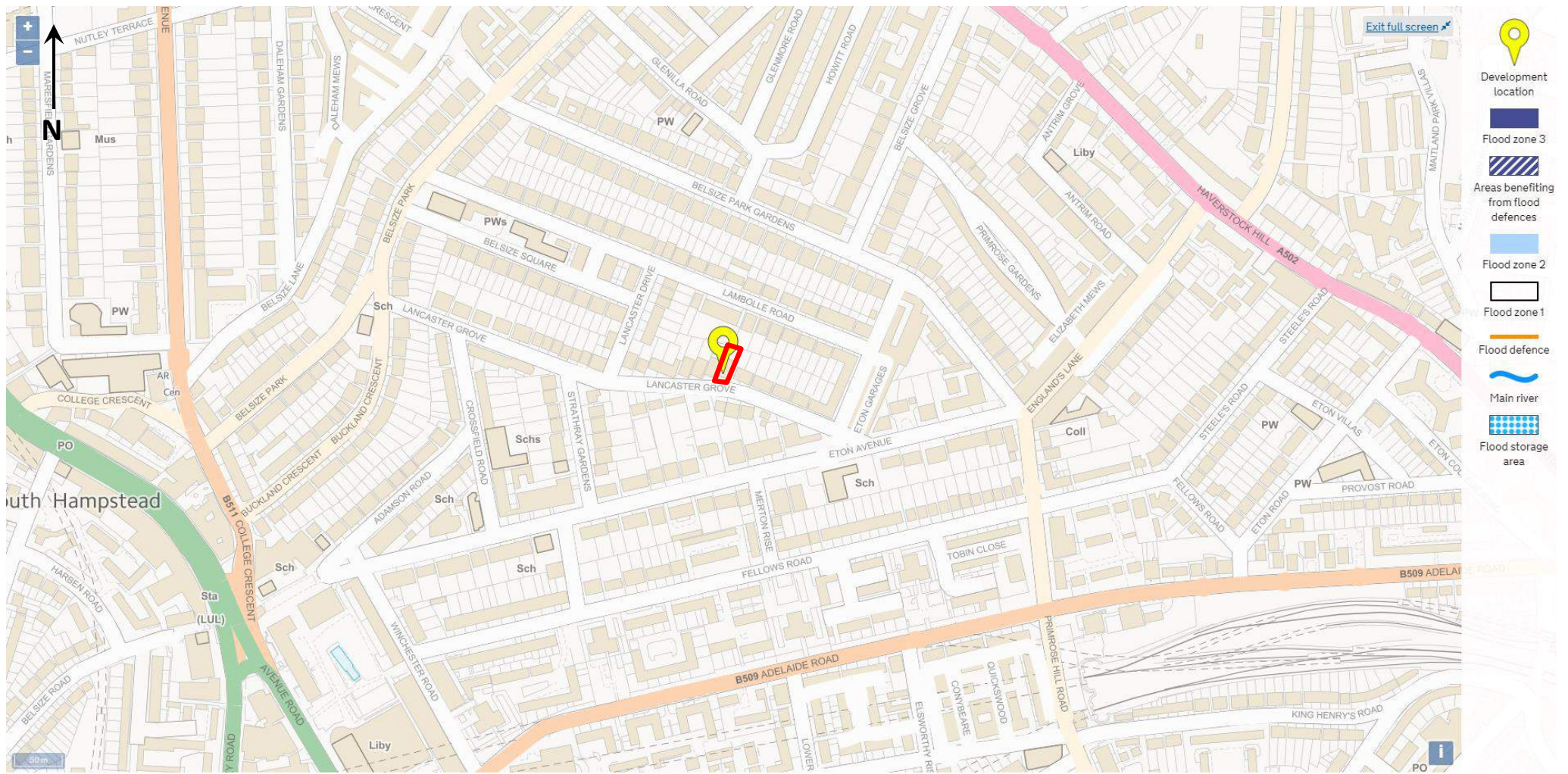
Ref:

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Figure 12

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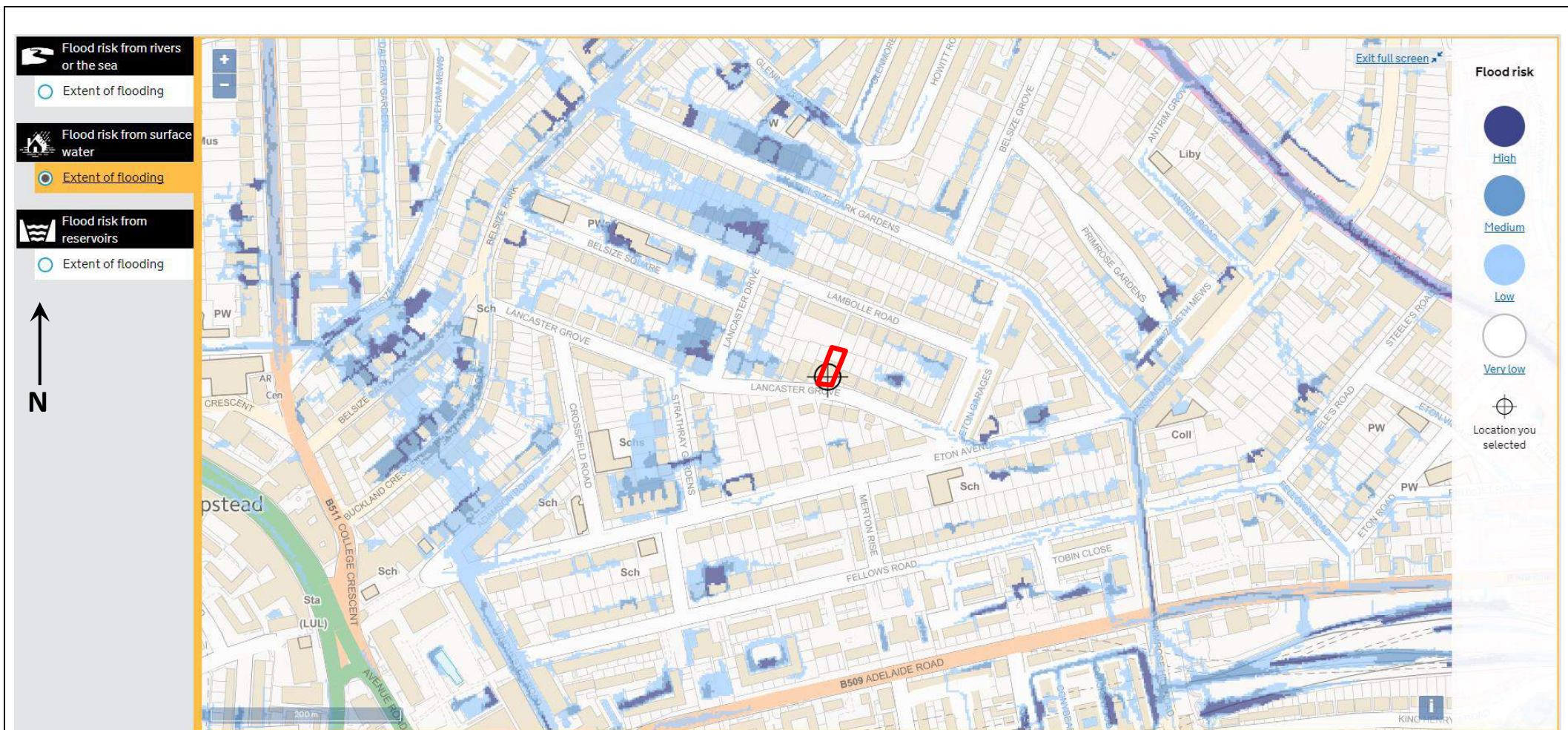
Environment Agency Flood Map for Planning

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Figure 15

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Surface Water Flooding Map

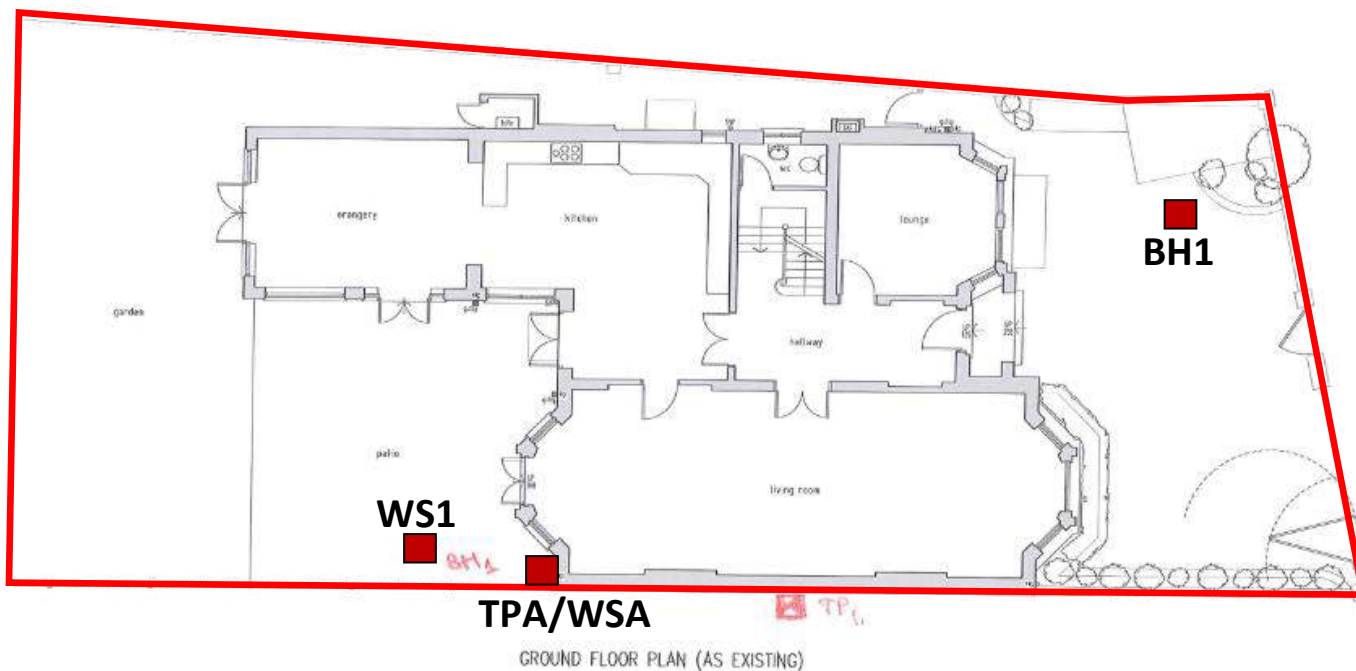
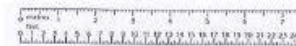
Ref:

GWPR2283

Figure 16

ground&water

N



Client: Mr S Parry-Winkfield

Project: 51 Lancaster Grove
London
NW3 4HB

Scale: 1:100 @ A3

Drawing Title: GROUND FLOOR PLAN
AS EXISTING

Date: Aug 17

Drawing No: 17/012-01

Sheet 2 of 5



APPROXIMATE SITE BOUNDARY

NOTE: NOT TO SCALE

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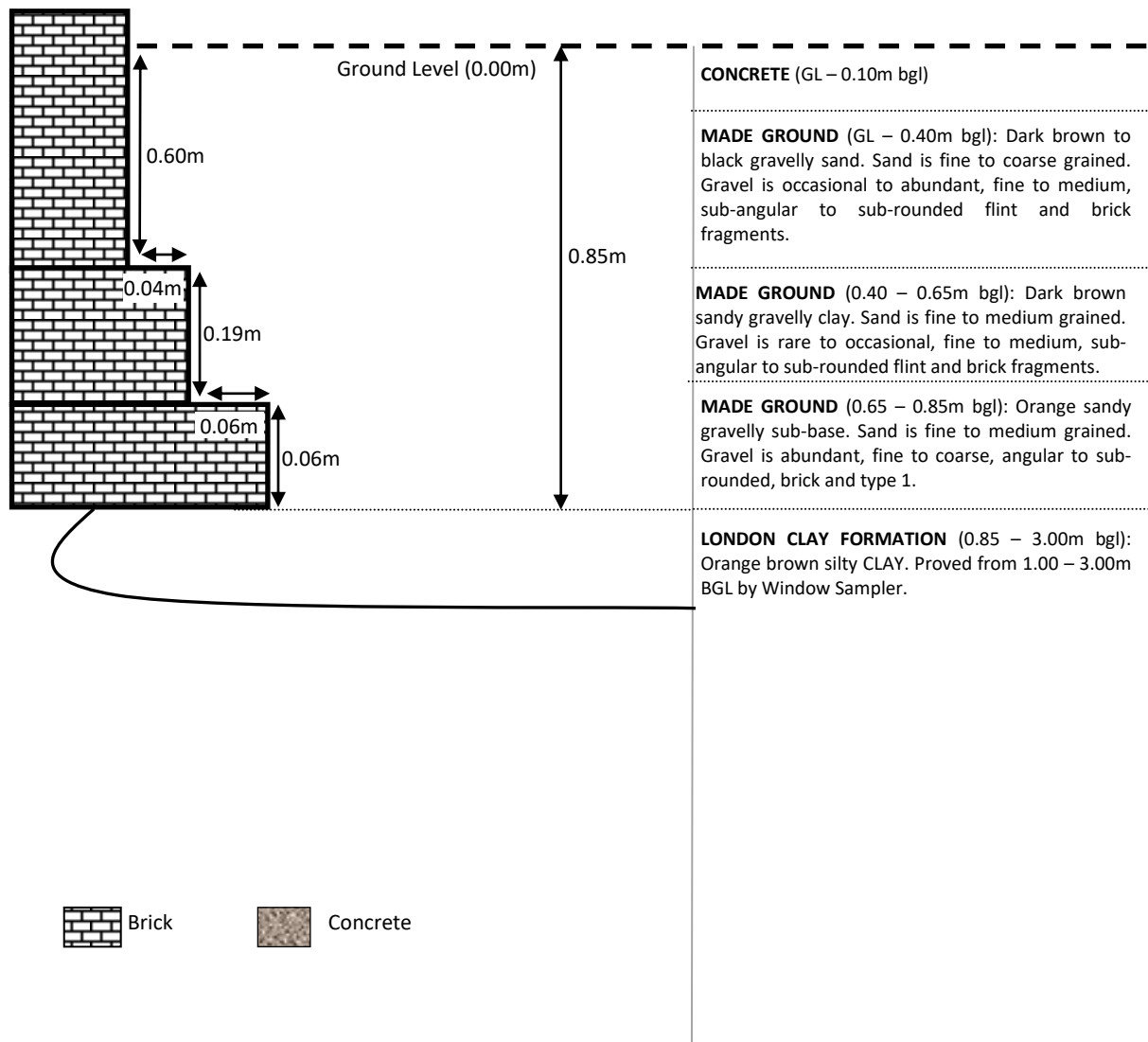
Trial Hole Location Plan

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Figure 17

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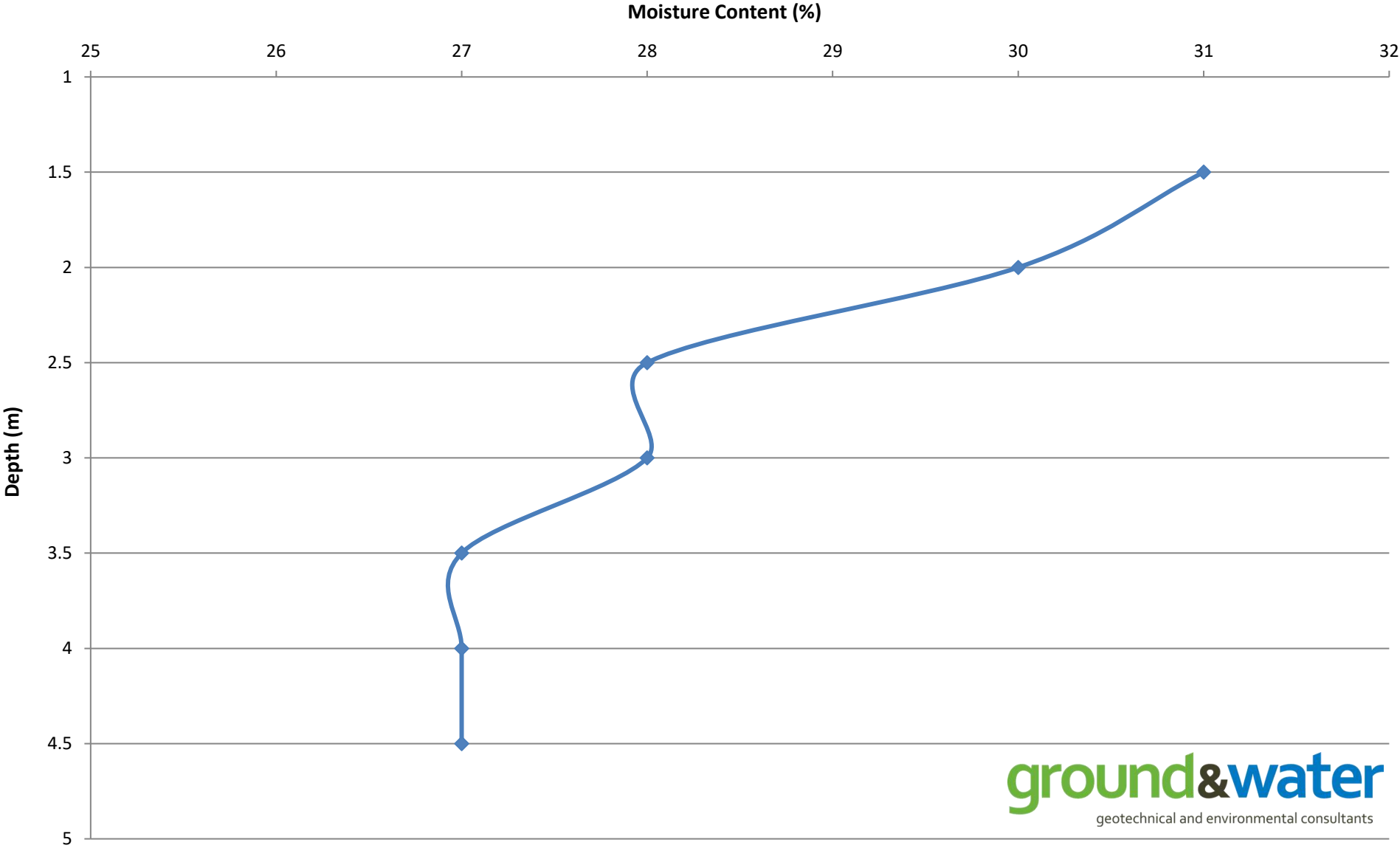
Section Drawing: Foundation
Exposure TP/FE1

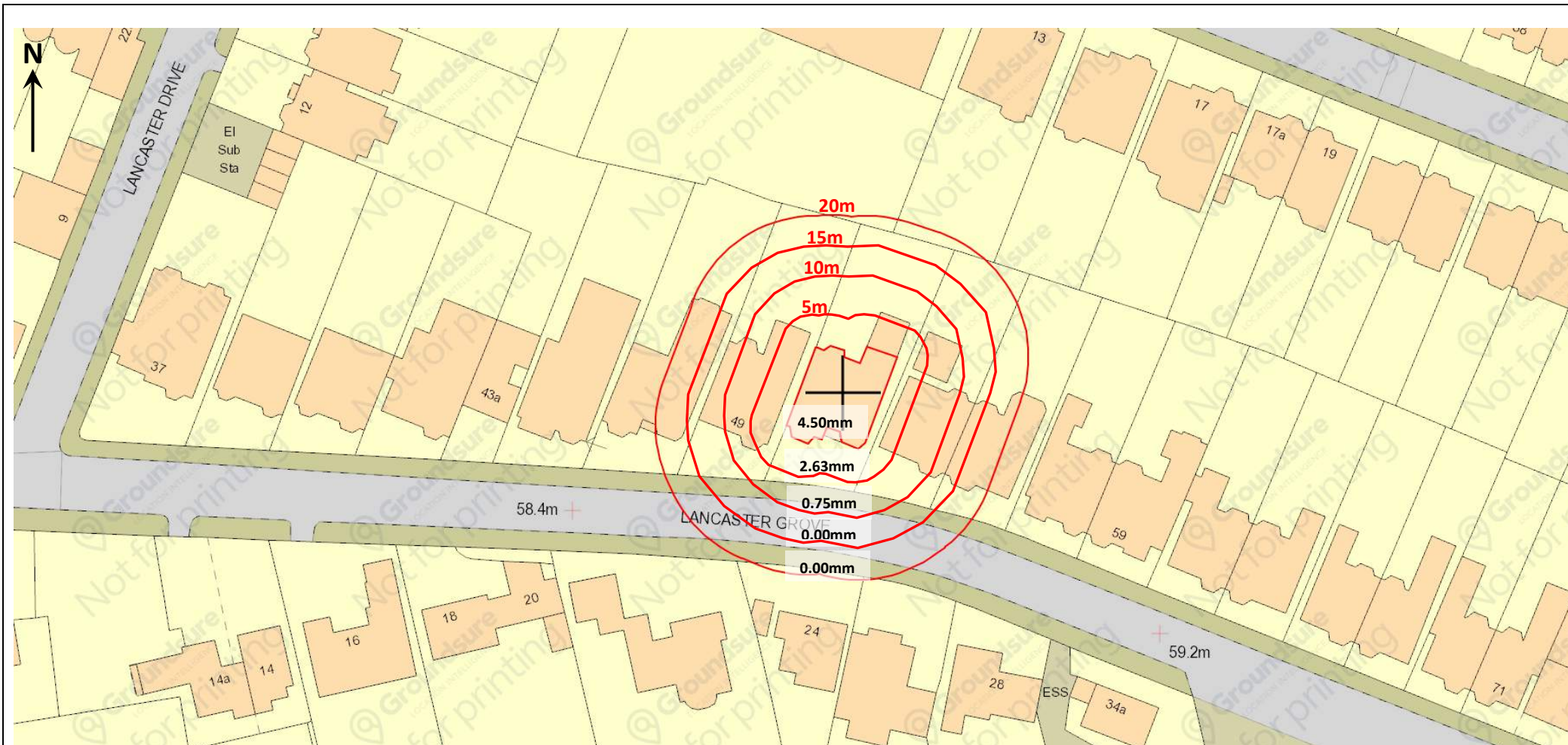
Ref:
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Figure 18

ground&water

Figure 19: Change in Moisture Content With Depth Within BH1





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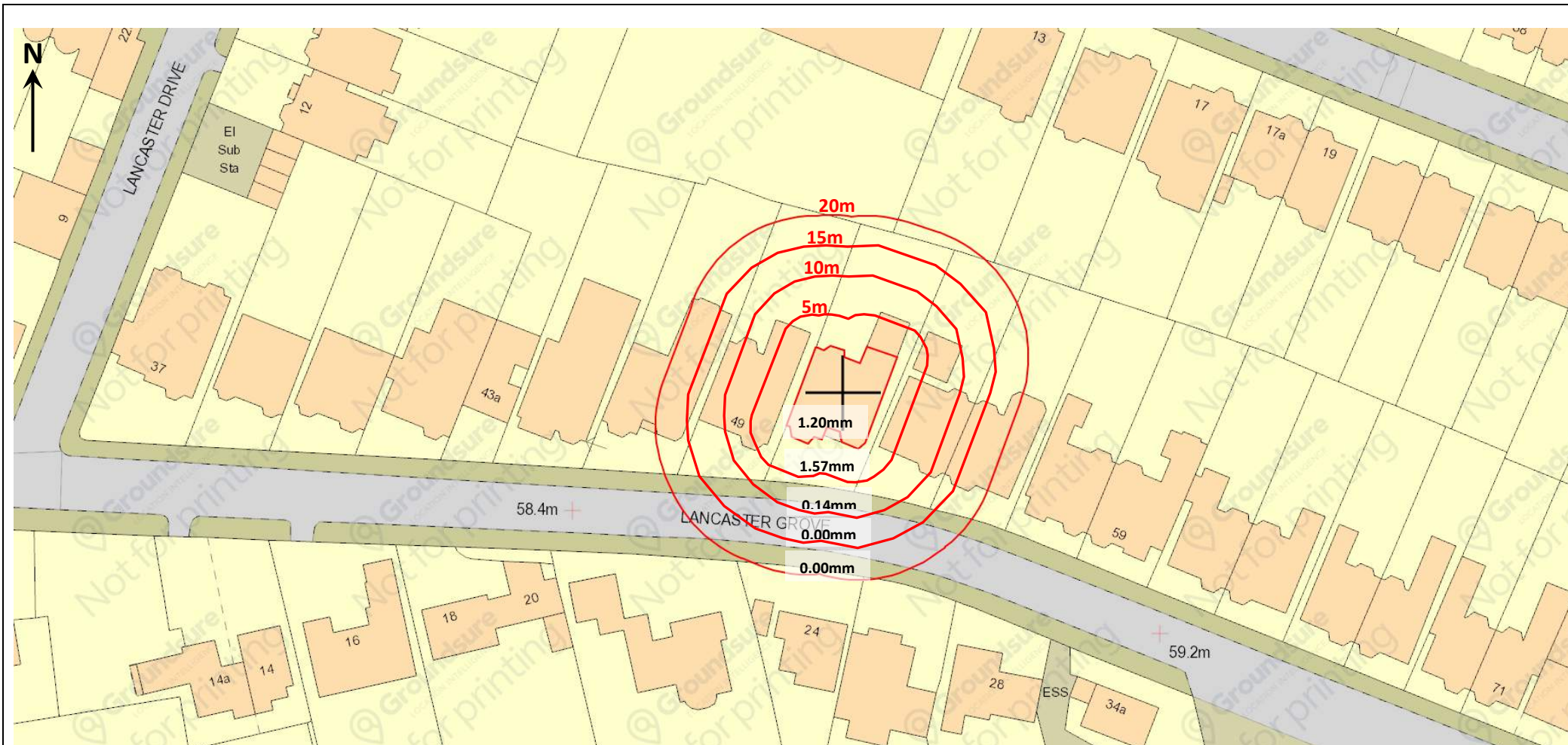
Horizontal Ground Movement – Contour Plot

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Figure 20

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Vertical Ground Movement – Contour Plot

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Figure 21

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