

Our Ref: DV/BC/J11632

02 June 2014

Keeble House, Stuart Way
East Grinstead, West Sussex RH19 4QA
t 01342 333100 f 01342 410321
e info@southern-testing.co.uk w southern-testing.co.uk

ABSTRACT

Lime Tree House
15 Lime Tree Walk
Sevenoaks - TN13 1YH

Directors M W Stevenson BSc MBA CEng MICE CGeol FGS MconsE (Chief Executive)
EurGeol R C Smith BSc LLB MSc CGeol FGS SILC
D Vooght BSc (Civ Eng) MSc
Dr J Kelly BSc PhD DIC
Dr L D Mockett BSc PhD PGDip FGS
J M Hickmott BSc CEng CEnv MICE FGS (Non Executive)
A J Timms CEng MICE (Non Executive)
Co. Secretary A L Gurney FCIS ACIB
Consultant Dr Derek Petley PhD DIC BSc MHIT FGS
D Illingworth BSc FGS

For the attention of Mr A. Boulton

Dear Sirs,

Re: Supplementary Information for Basement Impact Assessment:168 Eversholt Street, NW1 1BL

Further to the independent assessment of the Basement Impact Assessment carried out for the above site, the requested additional information is given below:

"Assessment of Tree Impact on Proposed Basement."

The results of the Atterberg Limit Tests on the natural London Clay soils, indicate that NHBC High Volume Change Potential precautions are applicable.

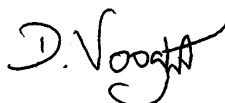
While the rear of the site is currently devoid of trees, past aerial photography indicates that in 2006/2008 a tree might have been present within the rear area of the site or within the rear area to the adjacent property (No166 Eversholt Street). It is noted that within the upper 1.0m root traces were encountered in test location WS1. In terms of the proposed construction, the measured moisture content of the clay soils encountered within WS1 indicates that no residual desiccation is present and therefore the presence of the former trees will not have any impact on the proposed basement construction.

We also note that there are some trees present in the adjacent garden areas (see attached figure). Given the species of these trees, and their locations, the proposed basement construction will not have any impact on the trees. Furthermore, given the depth of the proposed basement, the trees will not affect the proposed basement construction and no specific precautions are considered necessary with respect to further foundation deepening etc. Where shallower foundations are required, then NHBC High Volume Change precautions could be applicable.

"Potential Cumulative Effects"

In terms of the potential cumulative effects on the groundwater environment in the local area, i.e. should other future basements be granted beneath adjacent properties, the combination of the overall flat topography of the area (hence negligible hydraulic gradient) and the very low/impermeable nature of the underlying London Clay, suggest that any resulting increases in groundwater levels within the area (locally or regionally) will be negligible.

Yours faithfully,



D. Vooght MSc
(Signed)



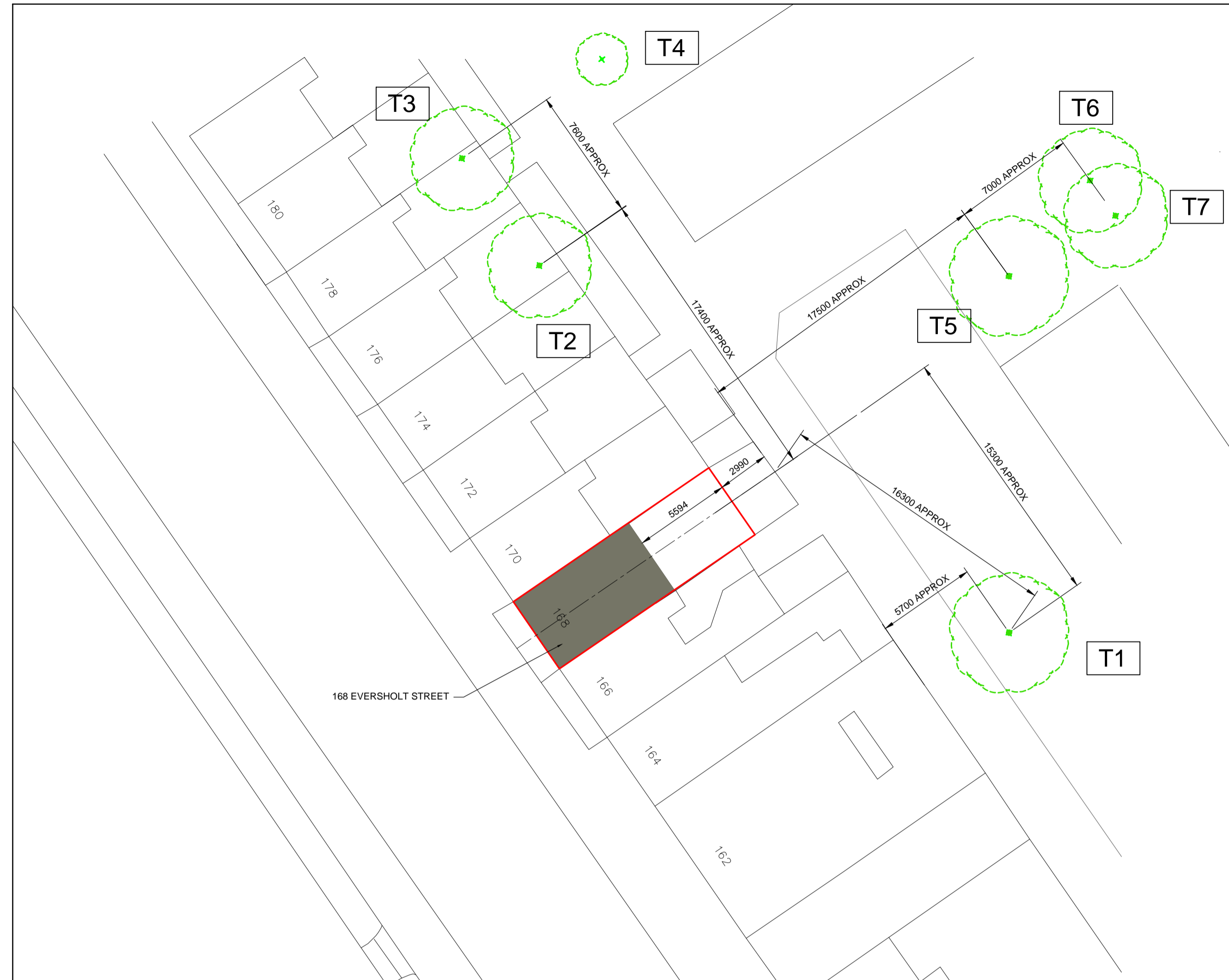
S. F. Pratt MSc CGeol
(Countersigned)

For and on behalf of Southern Testing Laboratories Limited



Northampton Office - ST Consult: t 01604 500020

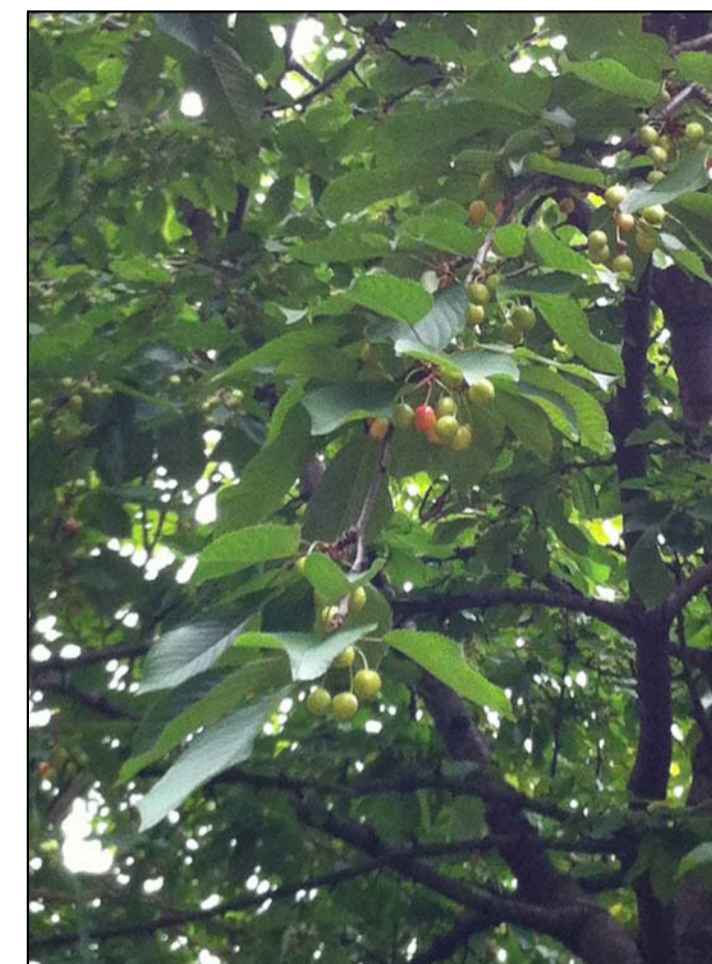
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TREE REF: T1
SPECIES - FALSE ACACIA



TREE REF: T2
SPECIES - ASH COMMON



TREE REF: T3
SPECIES - WILD CHERRY



TREE REF: T4
SPECIES - BIRCH



TREE REF: T5
SPECIES - SYCAMORE



TREE REF: T6 / T7
SPECIES - SYCAMORE

NOTES

- DO NOT SCALE THIS DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEER'S AND ARCHITECTS DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS TO BE CONFIRMED BY THE ARCHITECT PRIOR TO CONSTRUCTION.
- FOR SITE SETTING OUT REFER TO THE ARCHITECTS DRAWINGS.
- FOR MATERIAL NOTES REFER TO DRAWING GEN.01

CDM REGULATIONS 2007 RESIDUAL HAZARDS

RESIDUAL HAZARDS IDENTIFIED

- NONE

THIS REGISTER IS A NON-EXHAUSTIVE LIST OF RESIDUAL HAZARDS RELATING TO THE WORKS SHOWN ON THIS DRAWING THAT HAVE BEEN IDENTIFIED DURING THE DESIGN STAGE.

Mark	Date	By	Chkd.	Revision notes
-	02/06/14	DJE	APB	PRELIMINARY ISSUE

abstract
consulting engineers

Lime Tree House, 15 Lime Tree Walk, Sevenoaks TN13 1YH
LONDON + SEVENOAKS Tel: 03330 113 401 info@abstract-llp.com

Job Title
168 EVERSOLT STREET
LONDON
NW1 1BL

Drawing Title
TREE SURVEY TO REAR
OF 168 EVERSOLT ST.

Client
WHITEHALL PARK

Scale at A1:	Drawn:	Checked:
1:200	DJE	APB
	Date:	Date:
	30/05/2014	02/06/14

Drawing No.:	Revision:
1144_0001	-

PRELIMINARY ISSUE