





1. This drawing is to be read in conjunction with all other engineer's and architect's drawings.
2. The contours shown on this plan are based on ordnance survey information from map TQ28SE.
3. The approximate clay thicknesses are based on information from British Geological Society Borehole Records and Geological maps.
4. All levels are ... AOD
5. Key

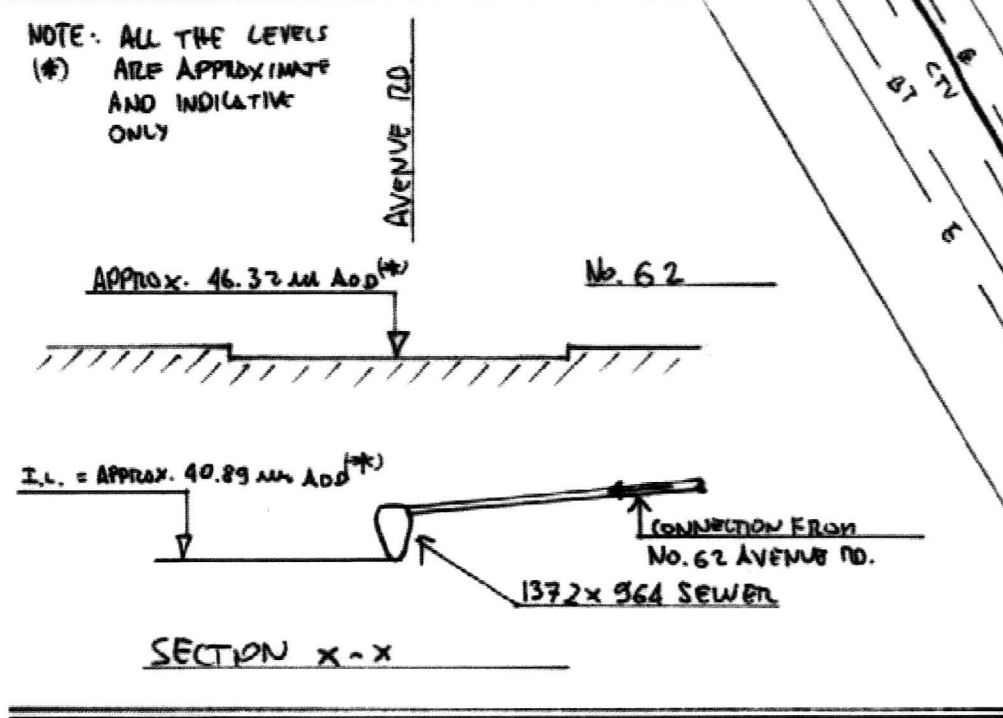
-  Contour line
-  Thickness of London clay
-  Approximate route of historic watercourse
-  Indicative direction of groundwater flow

job	
62 AVENUE ROAD	
file	
AREA MAP SHOWING ABA UNDERSTANDING OF GROUND HYDROLOGY	
drawn	checked
VF	LF
date	scale (original -A1)
DEC '11	NTS
Alan Baxter	
75 Cowcross Street London EC1M 6EL tel 020 7250 1555 email aba@alanbaxter.co.uk	
www.alanbaxter.co.uk	
dig. no.	rev.
1636/01/004	-
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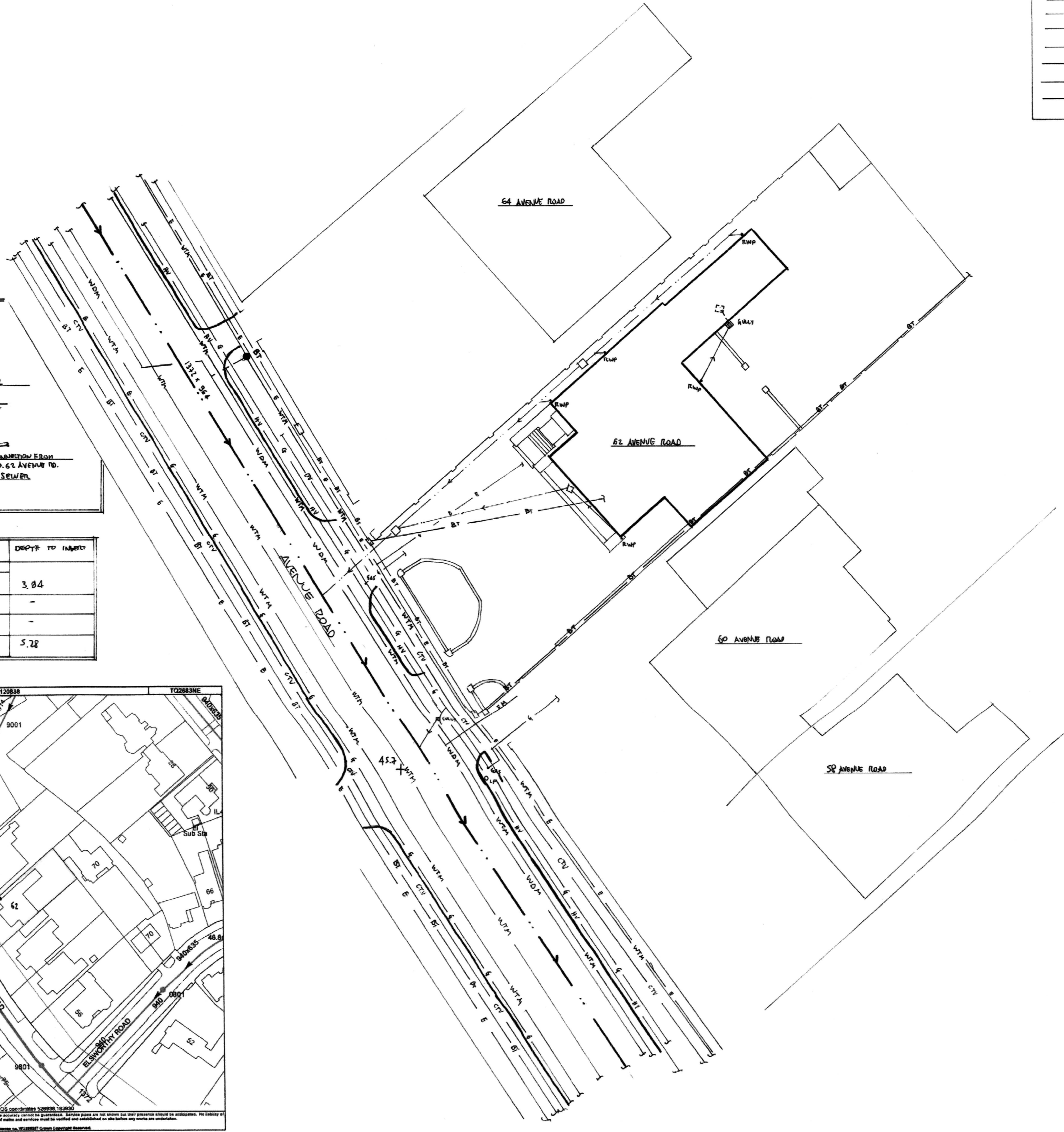
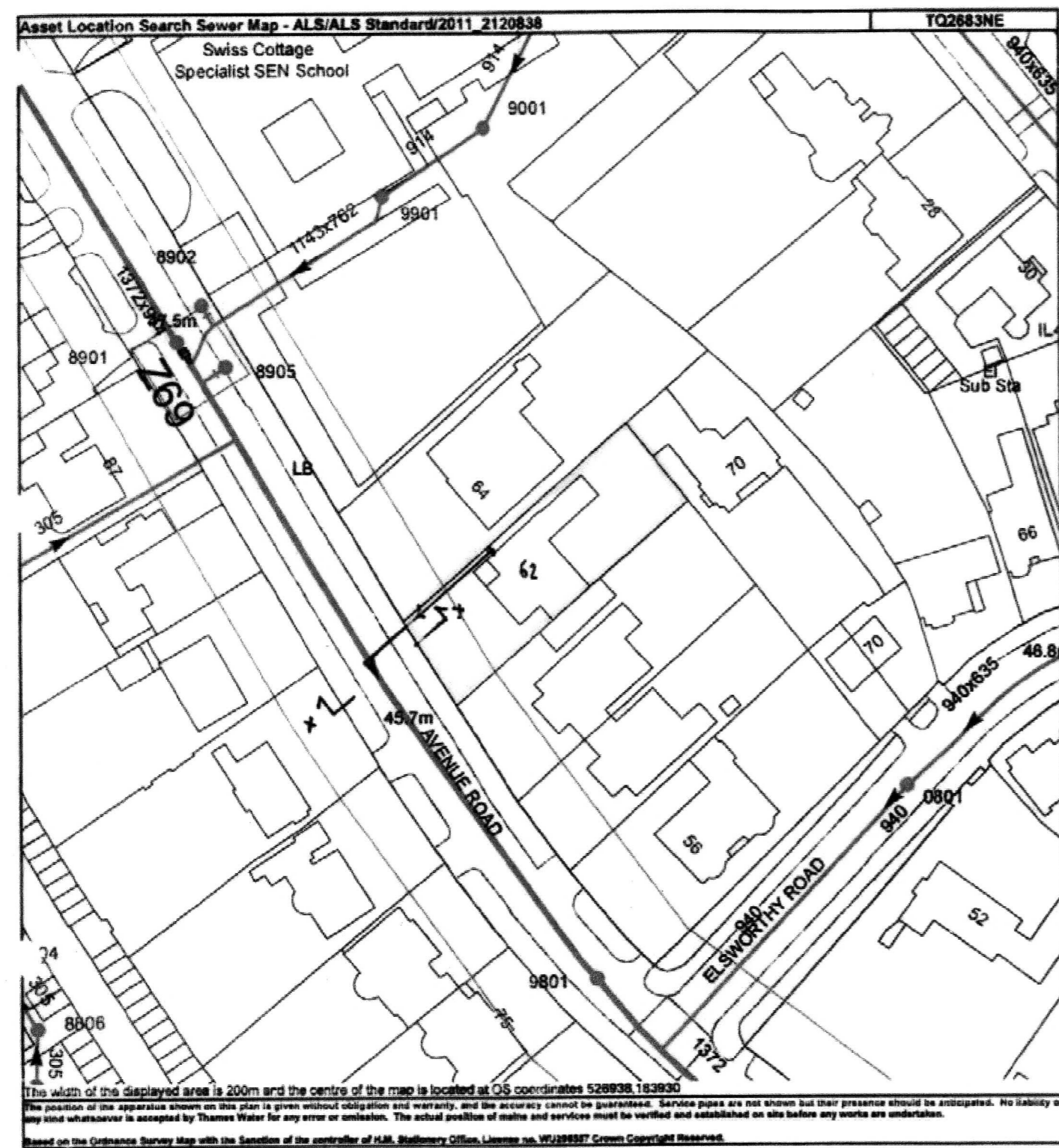
KEY:	
	COMBINED SEWER
	SURFACE WATER SEWER
	GAS MAIN
	TELEPHONE CABLE
	ELECTRICITY CABLE
	HIGH VOLTAGE CABLE
	CABLE TV
	WATER TRUNK MAIN
	FIRE MAIN

1. This drawing must be read in conjunction with all the other relevant engineer's and architect's drawings.
2. This drawing summarises the information provided by the Statutory Authorities in response to Premier Energy's enquiries made on behalf of Alan Baxter & Associates LLP.
3. The information shown on this drawing is indicative only. Reference must be made to the original response/drawing from the Statutory Authorities to Premier Energy.

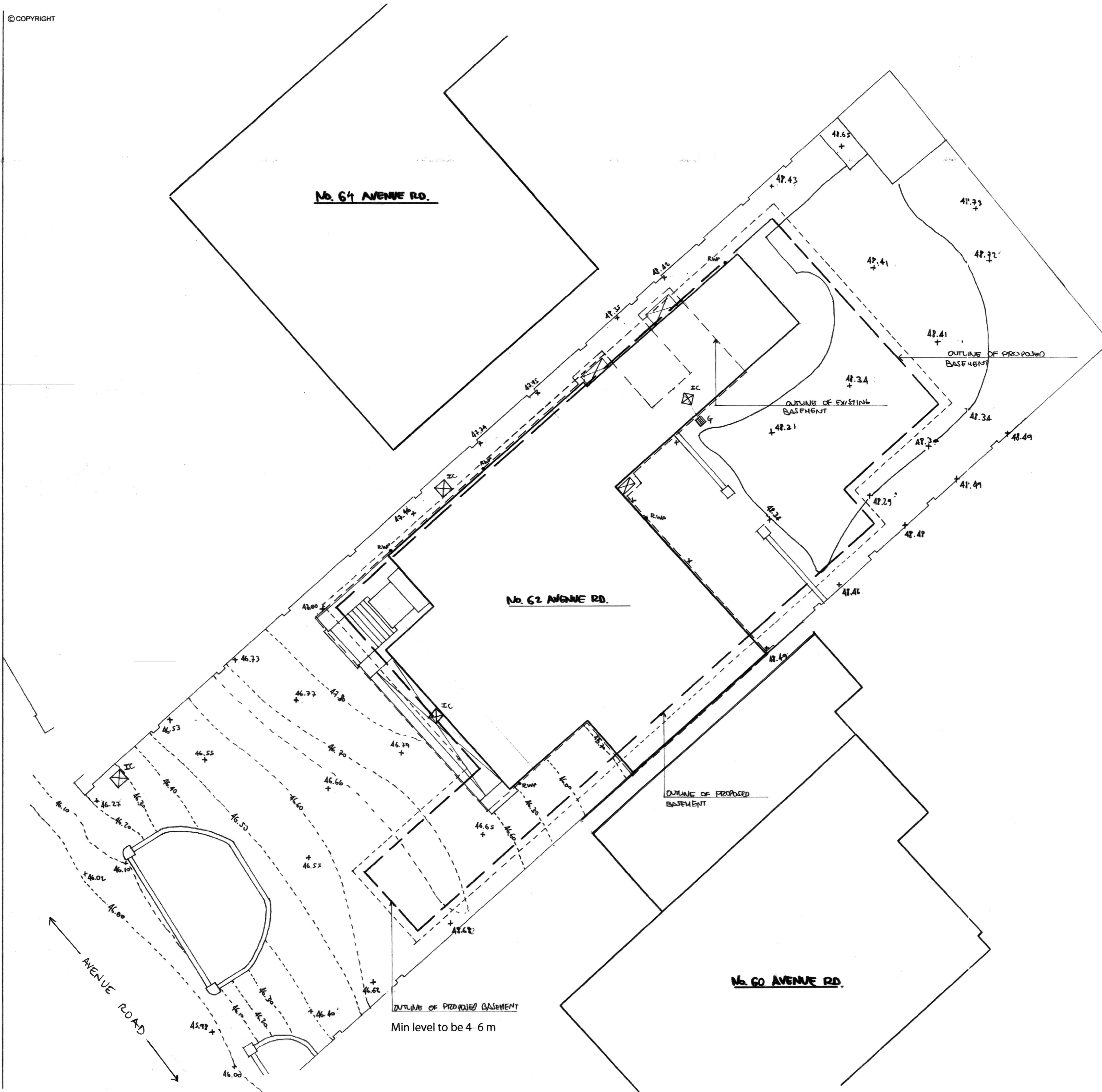
INDICATIVE SECTION THROUGH EXISTING PUBLIC DRAIN.



MANHOLE	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT
8901	43.31	43.37	3.94
8902	-	-	-
8905	-	-	-
9801	44.68	39.40	5.28



job	
62 AVENUE ROAD	
title	
SUMMARY OF ABA UNDERSTANDING OF EXISTING STATUTORY SERVICES	
drawn	checked
VF	LF
date	scale (original-A1)
DEC '11	NTS
<h2>Alan Baxter</h2> <p>75 Cowcross Street London EC1M 6EL tel 020 7250 1555 email aba@alanbaxter.co.uk</p> <p>www.alanbaxter.co.uk</p>	
drawn	ink
1636/01/006	-



- notes
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATION.
 2. THIS DRAWING IS BASED ON GREENHATCH DRAWING 13826-01-T REV B 'TOPOGRAPHICAL SURVEY' FOR 62 AVENUE ROAD, ST JOHNS WOOD LONDON
 3. THE FLOOD LINE SHOWN ON THIS DRAWING IS INDICATIVE ONLY. IT IS BASED ON A 500 mm FLOOD MEASURED FROM THE BACK OF THE PAVEMENT, AS RESULT OF A FLOOD FROM A SURCHARGE OF THE EXISTING COMBINED SEWER UNDER AVENUE ROAD

FOR INFORMATION ONLY

5.9.16 ISSUED AS PART OF REPORT LF

62 AVENUE ROAD

INDICATIVE EXTENT OF FLOOD LINE FROM A 500 mm 'FLOOD FROM SEWER' EVENT ON SITE

drawn: LF
checked: JGa
date: DEC '11
scale (original - A1): 1:100

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1636/001/007

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SOFT LANDSCAPED AREAS:

$A_1 = 160 \text{ m}^2$
 $A_2 = 36 \text{ m}^2$
 $A_3 = 4 \text{ m}^2$
TOT = 200 m^2

TOT AREA OF PLOT:

$A_{TOT} = 1080 \text{ m}^2$

HARD LANDSCAPED AREA DRAINING TO ON-SITE SOFT LANDSCAPED AREAS:

$A_4 = 1080 - 200 - 90 = 790 \text{ m}^2$

RAINFALL INTENSITY = 0.024 l/s/m^2

SURFACE WATER RUNOFF =

$Q = 0.024 \times 790 = 19 \text{ l/s}$

* : FIGURE NO. 2 / BS EN 752: 4

HARD LANDSCAPED AREA DRAINING TO ON-SITE SOFT LANDSCAPED AREAS:

$A_4^* = 90 \text{ m}^2$

notes

KEYS:

- . — . — SITE BOUNDARY
- ▨ SOFT LANDSCAPED AREA
- ▨ HARD LANDSCAPED AREA DISCHARGING TO ON-SITE SOFT LANDSCAPED AREA

FOR SITE TOPOGRAPHY SEE DRG. 1636/01/00

5.9.16 ISSUED AS PART OF REPORT LF

62 AVENUE ROAD

SURFACE WATER RUNOFF - EXISTING

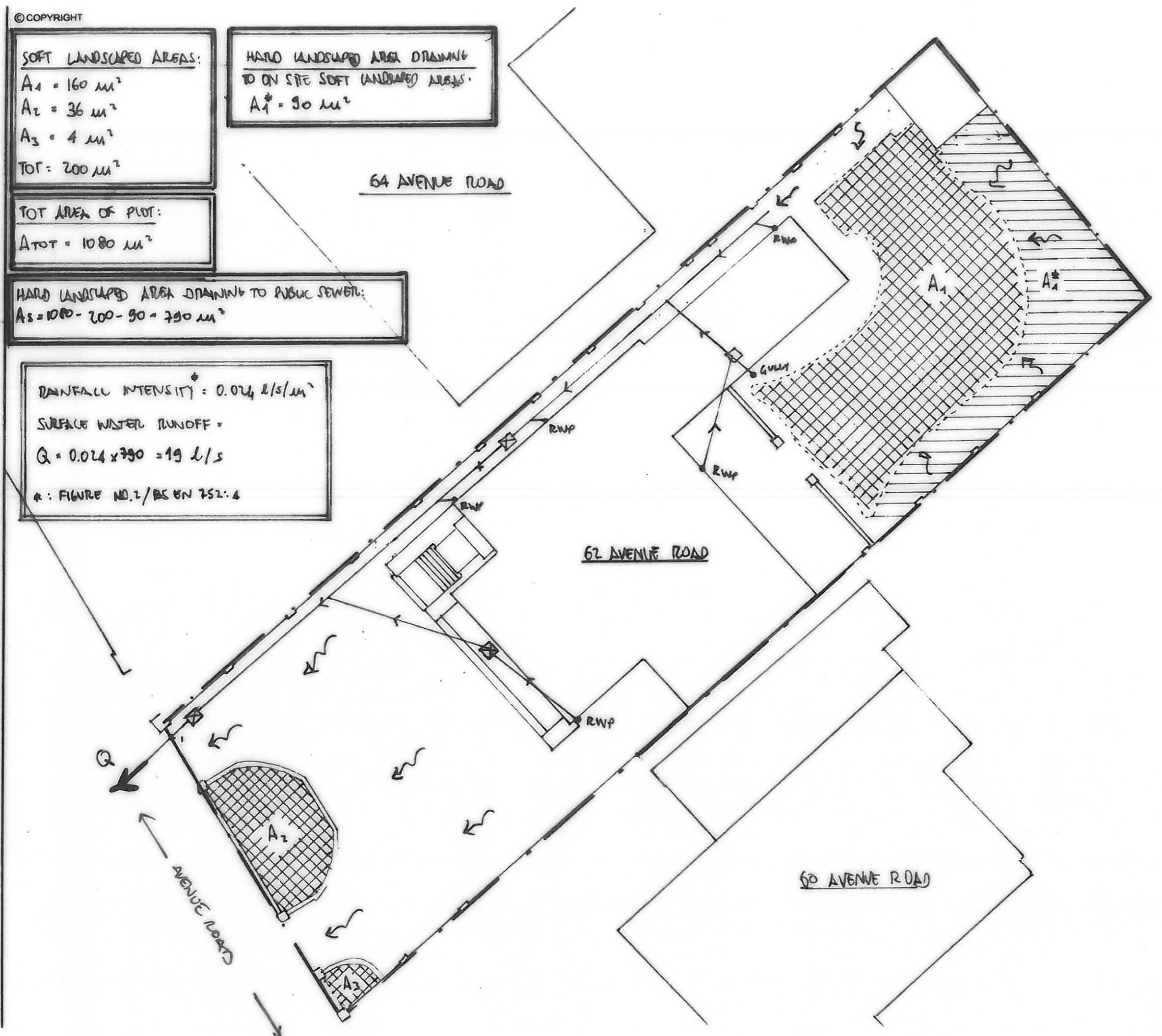
drawn LF checked DP
date NOV 11 scale (original - A3) 1:200

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drw no 1636/01/08

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SOFT LANDSCAPED AREAS:
 $A_1 = 210 \text{ m}^2$
 $A_2 = 36 \text{ m}^2$
 $A_3 = 4 \text{ m}^2$
 $TOT = 250 \text{ m}^2$

DECKED AREA DRAINING TO REAR GARDEN:
 $A_1^* = 90 \text{ m}^2$

TOT AREA OF THE PLOT:
 $A_{TOT} = 1080 \text{ m}^2$

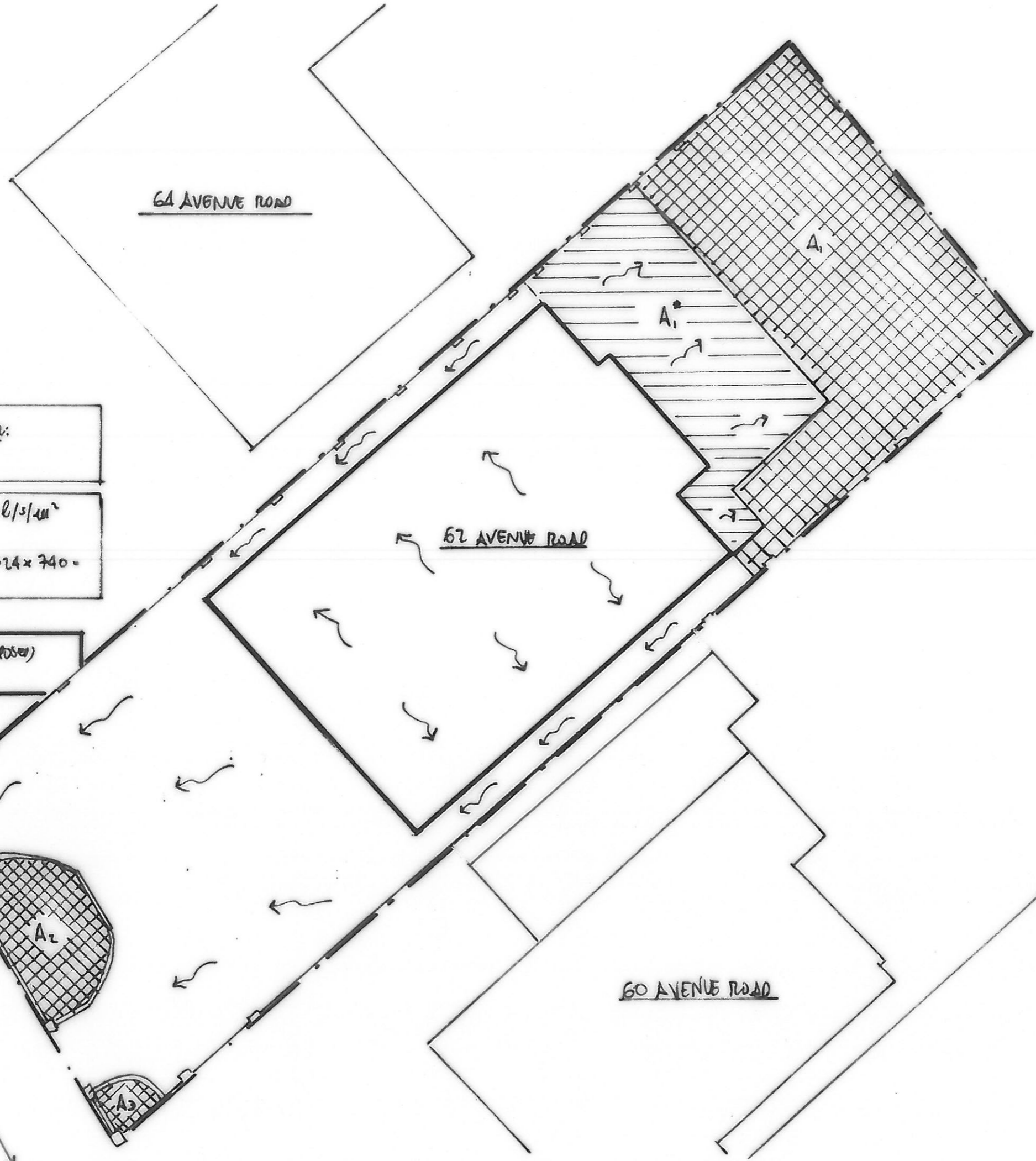
AREA DRAINING TO PUBLIC SEWER:
 $A_s = 1080 - 250 - 90 = 740 \text{ m}^2$

RAINFALL INTENSITY* = 0.024 l/s/m²
 (* FIGURE NO.2/BS 6185:4)
SURFACE WATER RUNOFF = 0.024 x 740 = 17.8 l/s

SURFACE WATER RUNOFF (PROPOSED) IS 15% LESS THAN EXISTING

KEYS:
 - - - - - SITE BOUNDARY
 [Cross-hatched] SOFT LANDSCAPED AREA
 [Horizontal lines] HARD LANDSCAPED AREA
 [Wavy lines] DISCHARGING TO ON-SITE
 [Dotted lines] SOFT LANDSCAPED AREA

FOR SITE TOPOGRAPHY SEE DRG. 1636/01/001



ISSUED AS PART OF REPORT LF

62 AVENUE ROAD

SURFACE WATER RUNOFF - PROPOSED

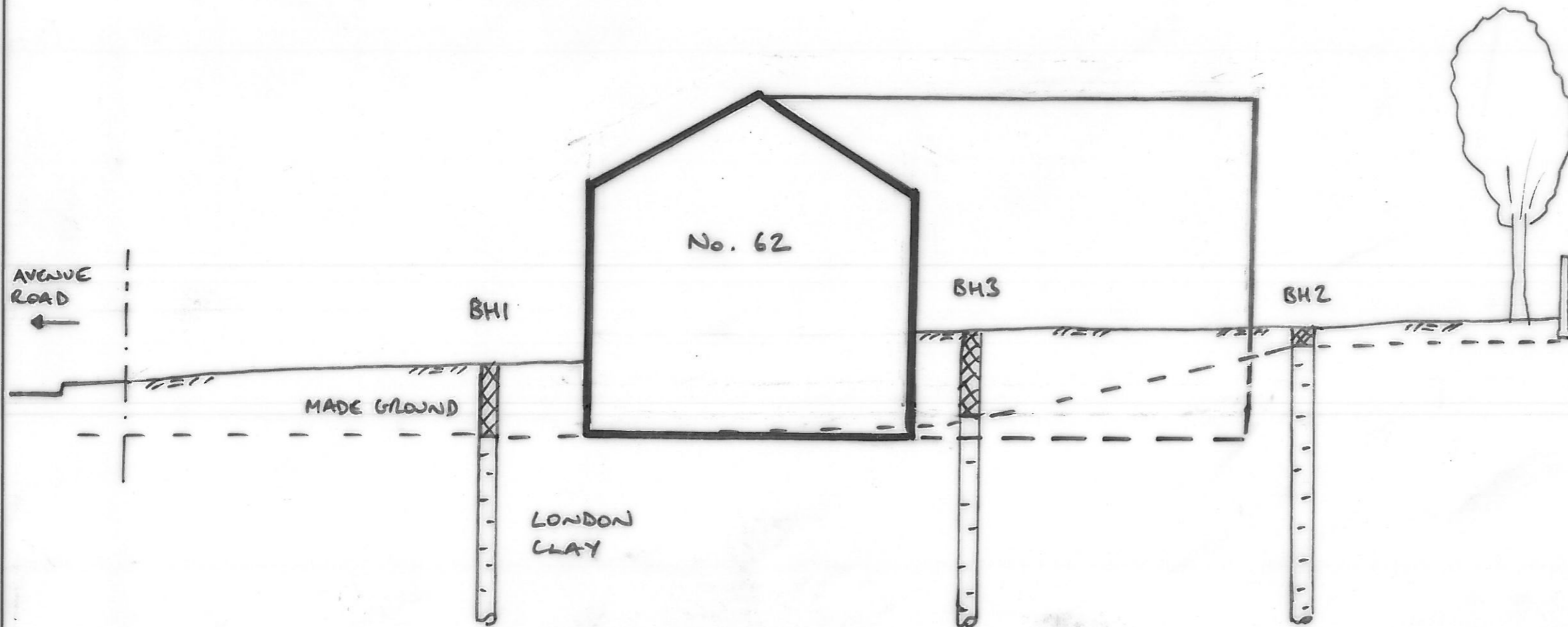
drawn: LF checked: DP
 date: NOV 11 scale (original - A3): 1:200

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dra no: 1636/01/09 rev:

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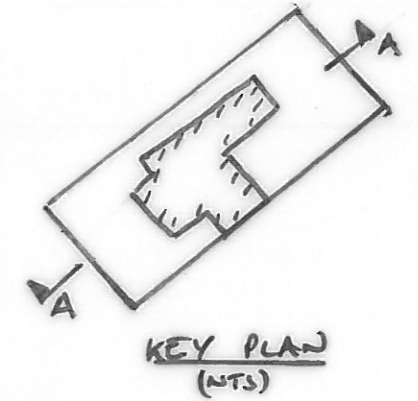


SECTION A-A

notes

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS

2. GEOLOGY BASED ON BOREHOLE LOGS BY SOUTHERN TESTING IN AUG '16



job

62 AVENUE ROAD, NW8

title

EXISTING SECTION THROUGH SITE WITH BOREHOLE LOGS

drawn

DP

date

AUG 16

checked

LF

scale (original - A3)

1:200

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