PRICE&MYERS
Consulting Engineers
37 Alfred Place London WC1E 7DP T 020 7631 5128

Job No 24357 Page SK013 Ver

Date 25.11.16 Eng DF Chd JE

Job 32, Glenilla Road, NW3

215 SOLID BRICK WALL

OUTSIDE FACE OF CAPPING BEAM UNDER

RC DOWNSTAND ABOVE OPENING UNDER WALL

BOUNDARY LINE

SECTION OF BOUNDARY WALL REBUILT

BOUNDARY WALL RETAINED

865 x 450 RC CAPPING BEAM. UNPROPPED IN TEMPORARY CONDITION. PROPPED BY GROUND FLOOR RC SLAB IN PERMANENT CONDITION

865 x 450 RC CAPPING BEAM. UNPROPPED IN PERMANENT AND TEMP. CONDITION.

200 RC INSITU OR PRECAST TO ALL OF GROUND FLOOR

No. 34

No. 30

Living Room 30.9m2
Bathroom 5.4m2
Skylight
Bedroom 19.8m2
Dressing Room 5.0m2
5300
4300
5828
6706
Kitchen 15.2m2
Kitchen/Dining 15.2m2
Dining Room 27.0m2
Storage 2.7m2
Storage 2.7m2
Study/ Secondary Entrance 11.9m2
WC 3.0m2
WC 3.0m2
Living Room 27.1m2
VOID
VOID
Kitchen 12.5m2
Entrance Hall 9.3m2
Entrance Hall 9.3m2
A
B
C
D

CAVITY WALL WITH 2 SKINS OF BRICKWORK. ARCHITECT TO CONFIRM SIZE/THICKNESS

203UC STEEL BEAM. SPLIT AT PARTY WALL. SUPPORTS WALL OVER.

RC SLAB EDGE. TYPICAL

RC OR PRECAST STAIRS

KEY

= 1 WAY SPANNING RC FLOOR

= 2 WAY SPANNING RC FLOOR

= BRICKWORK WALL

= STEEL BEAM

0m 1m 2m 3m 4m

Adam Khan Architects

Architects	Date	Scale
Adam Khan Architects 45 Vyner Street London E2 9DQ United Kingdon 020 7403 9897 www.adamkhan.co.uk	16/09/15	1:100@A3

060/2121h

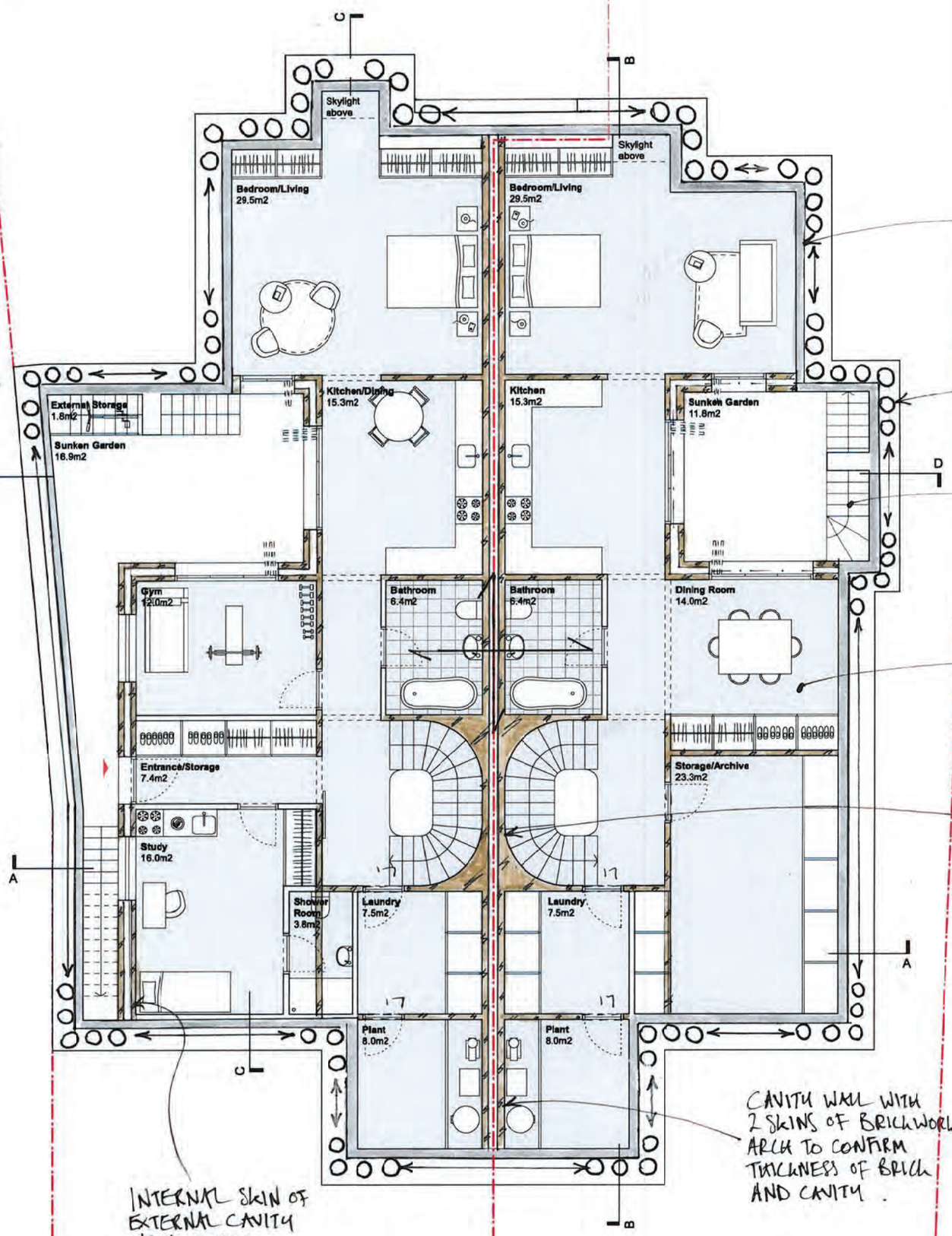
Glenilla Road
Ground Floor Plans
Issued for Information

19/10/16 Revision h
Clients comments

Do not scale from this drawing
All dimensions to be verified on site

PRICE&MYERS
Consulting Engineers
37 Alfred Place London WC1E 7DP T 020 7631 5128

Job No 24357 Page SK014 Ver
Date 25.11.16 Eng DF Chd JE
Job 32, Glenilla Road, NW3



265 RC LINING WALL WITH WATERPROOF CONCRETE TYPICAL.

450 RC PILES

RC OR PRECAST STAIRS. TYPICAL.

400 RC RAFT SLAB, ON 50 CONCRETE BLINDING. TYPICAL OVER FULL FOOTPRINT OF BASEMENT.

BRICKWORK SOLID WALL TO STAIRS CONTINUES TO ROOF.

CAVITY WALL WITH 2 SKINS OF BRICKWORK. ARCH TO CONFIRM THICKNESS OF BRICK AND CAVITY.

INTERNAL SKIN OF EXTERNAL CAVITY WALL SUPPORTS CONCRETE FLOOR OVER

KEY

= 400 RC RAFT SLAB OVER FULL FOOTPRINT OF BASEMENT.

= BRICKWORK WALL

= RC LINING WALL

= LINE OF CONTINUOUS PILED WALL WITH 450 DIA PILES.

0m 1m 2m 3m 4m

Adam Khan Architects

Architects	Date	Scale
Adam Khan Architects 45 Vyner Street London E2 9DQ United Kingdon 020 7403 9897 www.adamkhan.co.uk	16/09/15	1:100@A3

060/2120h

Glenilla Road
Basement Floor Plans
Issued for Information

19/10/16 Revision h
Clients comments

Do not scale from this drawing
All dimensions to be verified on site

James Morrice

From: James Engwall <jengwall@pricemyers.com>
Sent: 10 November 2016 13:24
To: James Morrice; Marcos Sousa
Cc: Sarah Key
Subject: RE: 32 Glenilla Road

Hi James,

The loading shouldn't change significantly, so the loads you're assuming still sound fine.

The Construction sequence you've described also sounds right, with the whole footprint for both buildings dug out in one go.

Apart from our structural sketches, which we may need to update, we also need to produce a Construction Sequence Methodology (CSM(and update our Drainage layout, both of which are also included in your BIA appendix. We're hoping to get these issued early next week, presumably that will be ok to then feed into your BIA?

Kind Regards,

James

James Engwall
Structural Engineer

PRICE & MYERS

020 7631 5128

37 Alfred Place
London WC1E 7DP

www.pricemyers.com

From: James Morrice [mailto:JamesM@cgl-uk.com]
Sent: 10 November 2016 12:08
To: Marcos Sousa <Marcos@adamkhan.co.uk>
Cc: James Engwall <jengwall@pricemyers.com>; Sarah Key <SarahK@cgl-uk.com>
Subject: RE: 32 Glenilla Road

Hi Marcos
The only impact this would have on the BIA would be if there is a change in the building loads. It would only delay the report for as long as it takes to get confirmation of the changes, so not more than a day or so I would anticipate. We are currently look to issue the report mid-next week.

James
Can you please confirm if there will be a change in the loadings. Unless I hear otherwise, I will assume 50kN/m2 on the slab and 50kN/m on the pile capping beam, as previously discussed.

Whilst writing, could you please confirm that the construction sequence is as previously, i.e. both basements constructed together as one dig, with a piled wall around the perimeter and interior wall built up off the basement slab.

Best regards
James

James Morrice, Senior Engineer

Tel: 01483 310600
www.cgl-uk.com

CGL's Harrogate office will hold a breakfast briefing on 'Managing Risks on Brownfield Sites' on Wednesday 16th November at 8:00am. Click on image for more information and to reserve a space.

From: Marcos Sousa [mailto:Marcos@adamkhan.co.uk]
Sent: 10 November 2016 11:03
To: James Morrice <JamesM@cgl-uk.com>
Cc: jengwall@pricemyers.com; Sarah Key <SarahK@cgl-uk.com>
Subject: RE: 32 Glenilla Road

Hi James,

We might be changing the column structure to structural brick walls at GF and Basement.
Already spoke with James Engwall and if going ahead we can confirm this tomorrow.
How much delay would this cause on the BIA?

Regards,
Marcos

Marcos Sousa
Adam Khan Architects

45 Vyner Street
London E2 9DQ

020 7403 9897

www.adamkhan.co.uk

@adamkhanarch

RIBA Awards 2016 – Shortlisted
RIBA National Award 2014
AR Future Projects Awards 2014 – Highly Commended
Nordic Built Challenge 2013 – Outright Winner
Mies van der Rohe Award 2013 – Nominated
AYA 'Architect of the Year' 2012 – Public Buildings
RIBA National Award 2012
Civic Trust Awards 2012 – Special Award for Sustainability
BREEAM 'Outstanding' 2011
Wood Awards 2011 - Winner
RIBA National Award 2010

From: James Morrice [mailto:JamesM@cgl-uk.com]
Sent: 04 November 2016 15:07
To: Marcos Sousa <Marcos@adamkhan.co.uk>
Cc: jengwall@pricemyers.com; Sarah Key <SarahK@cgl-uk.com>
Subject: RE: 32 Glenilla Road

Many thanks for the confirmation Marcos. We'll crack on with the analysis.

James, could you please confirm if any loadings have changed from the original plans, and if so forward us the update load information for the analysis.

Best regards
James

James Morrice, Senior Engineer

CGL Providing Ground Solutions

Ground Engineering Awards 2016 Consulting Firm of the Year
Constructing Excellence in Yorkshire & Humber SME of the Year Winner 2016
ea Awards 2016 Winner

Tel: 01483 310600
www.cgl-uk.com

CGL's Harrogate office will hold a breakfast briefing on 'Managing Risks on Brownfield Sites' on Wednesday 16th November at 8:00am. Click on image for more information and to reserve a space.

APPENDIX B

Proposed development plans

0m 2m 4m 6m 8m 10m

Adam Khan Architects

Architects

Adam Khan Architects
4 Northington Street
London WC1N 2JG
United Kingdon

020 7403 9897
www.adamkhan.co.uk

Date: 16/09/15

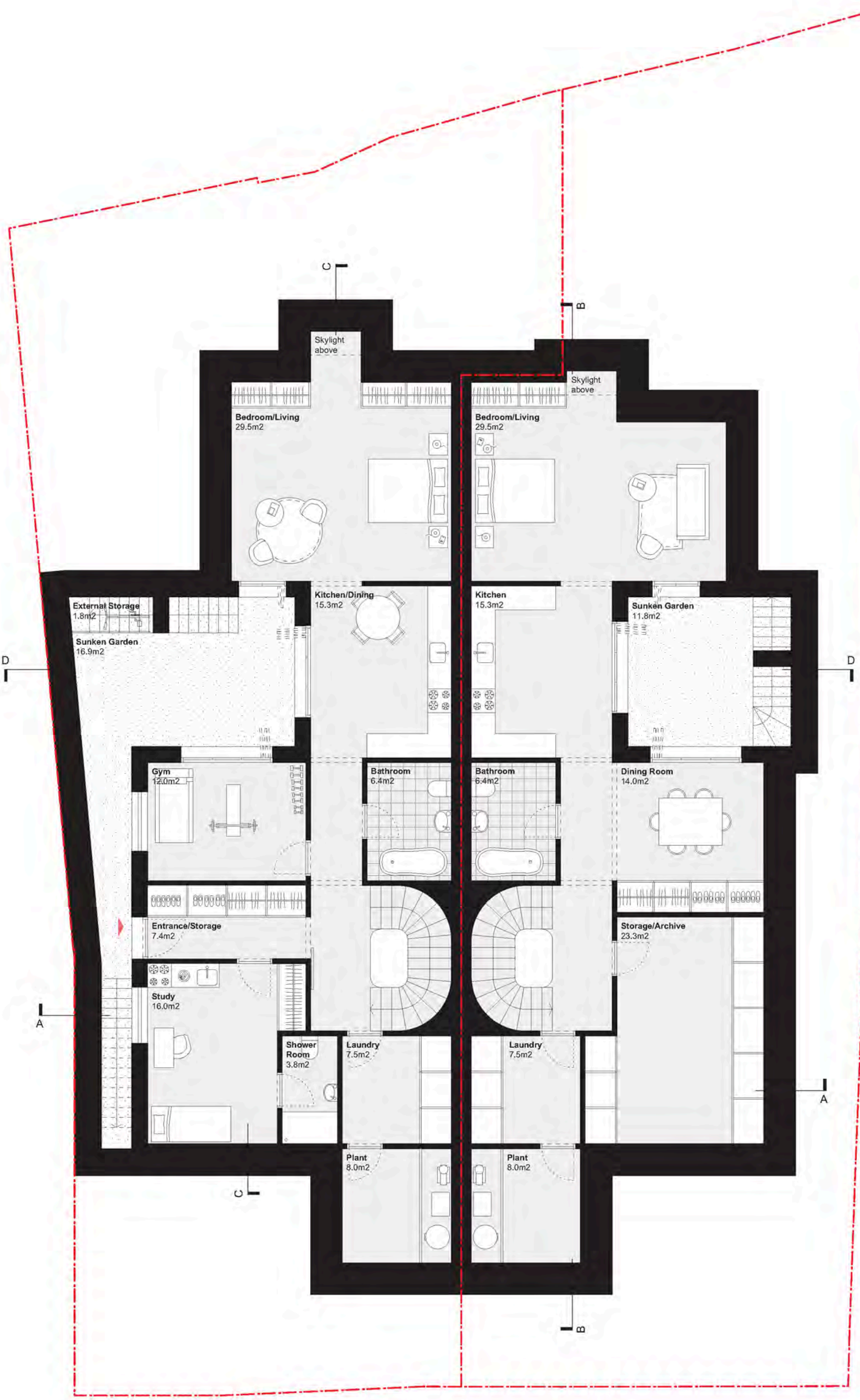
Scale: 1:200@A3

060/2110h

Glenilla Road
Site Plan
Issued for Information

21/10/16 Revision h
Clients comments
Revision g omitted to match GF and Basement revision

Do not scale from this drawing
All dimensions to be verified on site



0m 1m 2m 3m 4m

Adam Khan Architects

Architects

Adam Khan Architects
45 Vyner Street
London E2 9DQ
United Kingdon

020 7403 9897
www.adamkhan.co.uk

Date: 16/09/15

Scale: 1:100@A3

060/2120h

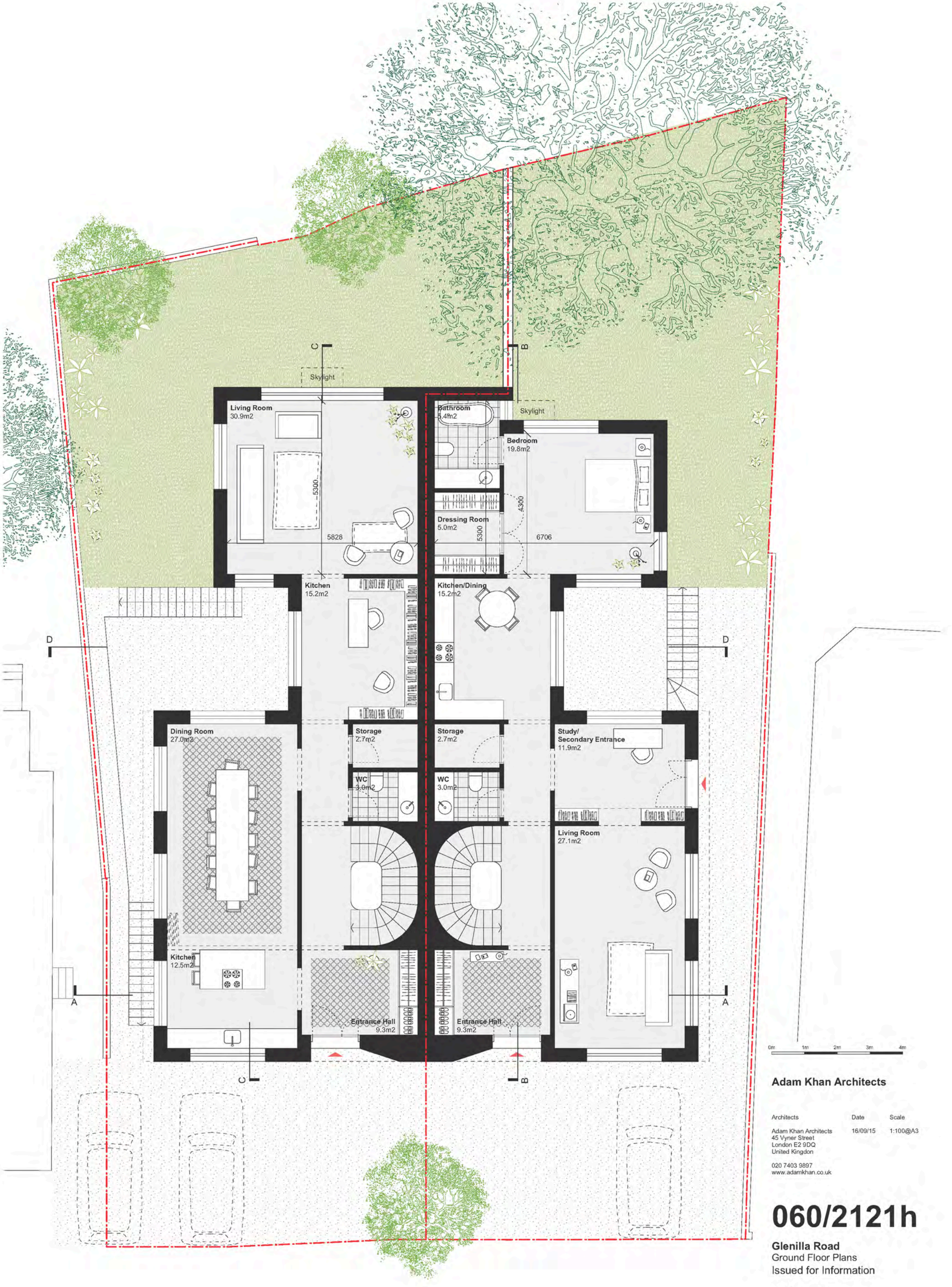
Glenilla Road

Basement Floor Plans

Issued for Information

19/10/16 Revision h
Clients comments

Do not scale from this drawing
All dimensions to be verified on site



Adam Khan Architects

Architects	Date	Scale
Adam Khan Architects 45 Vyner Street London E2 9DQ United Kingdon	16/09/15	1:100@A3

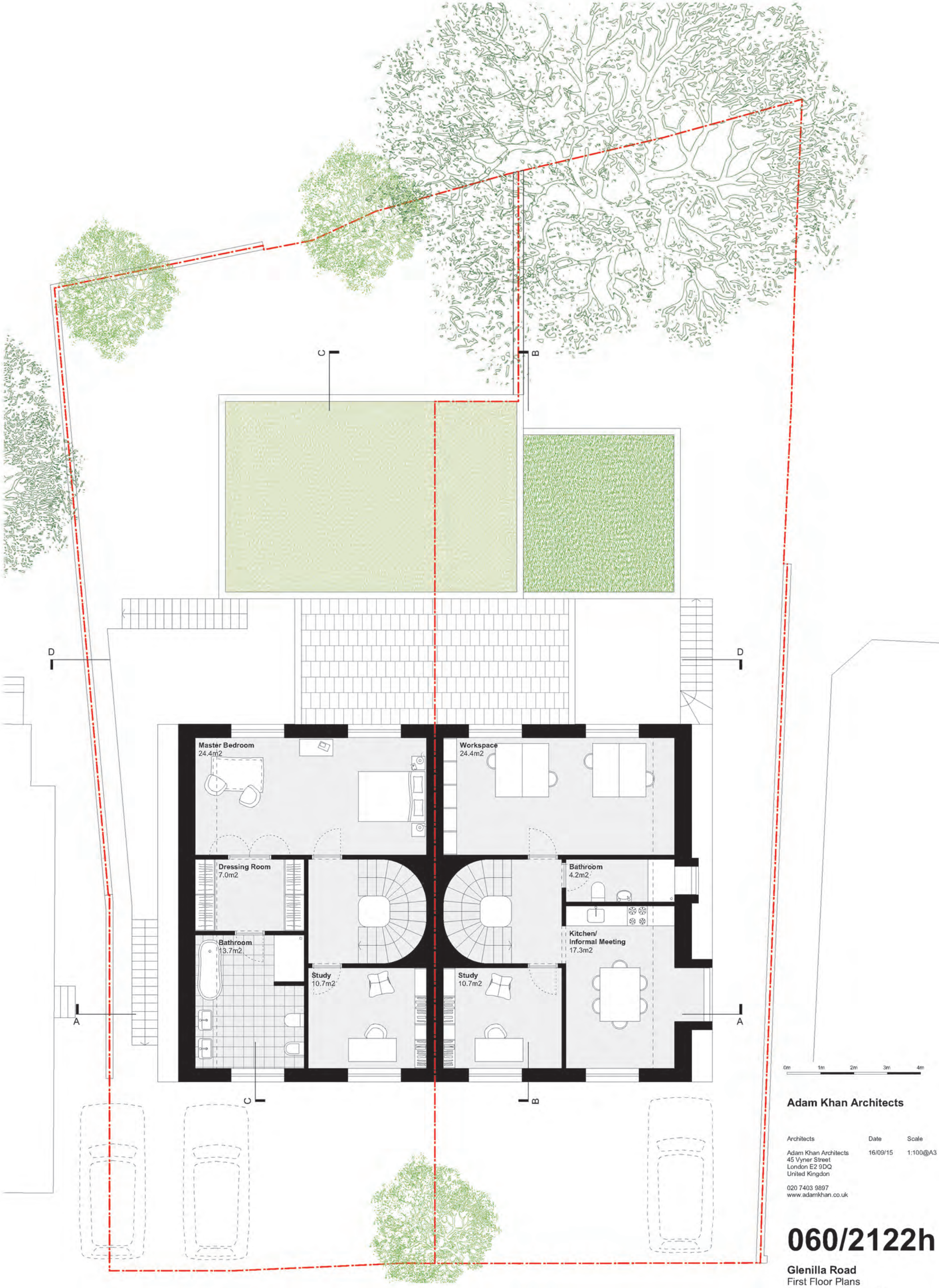
020 7403 9897
www.adamkhan.co.uk

060/2121h

Glenilla Road
Ground Floor Plans
Issued for Information

19/10/16 Revision h
Clients comments

Do not scale from this drawing
All dimensions to be verified on site



Adam Khan Architects

Architects

Adam Khan Architects
45 Vyner Street
London E2 9DQ
United Kingdon

020 7403 9897
www.adamkhan.co.uk

Date
16/09/15

Scale
1:100@A3

060/2122h

Glenilla Road
First Floor Plans
Issued for Information

21/10/16 Revision h
Clients comments
Revision g omitted to match GF and Basement revision

Do not scale from this drawing
All dimensions to be verified on site

C

B

D

D

Bedroom
17.4m2

Workspace
18.1m2

Shower
Room
3.7m2

Bathroom
4.6m2

Bedroom
15.8m2

Lounge/Meeting
13.3m2

A

A

C

B

0m 1m 2m 3m 4m

Adam Khan Architects

Architects	Date	Scale
Adam Khan Architects 45 Vyner Street London E2 9DQ United Kingdon 020 7403 9897 www.adamkhan.co.uk	16/09/15	1:100@A3

060/2123h

Glenilla Road
Second Floor Plans
Issued for Information

21/10/16 Revision h
Clients comments
Revision g omitted to match GF and Basement revision

Do not scale from this drawing
All dimensions to be verified on site

APPENDIX C

BGS historical borehole records

N

Client	Project	Job No
Mr & Mrs Gausen and Mr de Botton	**32 Glenilla Road, London**	**CG/18516**
CGL	Title **BGS borehole location plan**	

GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

(For Survey use only)
6-inch Map Registered No.
TQ28NE/38

Name of Shaft or Bore given by Geological Survey:

Name and Number given by owner:
C 16.

Nat. Grid Reference
2722.8520

For whom made

Town or Village Hampstead. County

Exact site Junction of Belsize Av. and Haverstock Hill. (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

Ground Level at shaft bore relative to O.D. 234' If not ground level give O.D. of beginning of shaft bore

Made by Date of sinking 1900.

Information from LCC. Date received

Examined by

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) Geological Classification	Description of Strata	Thickness Ft.	Thickness In.	Depth Ft.	Depth In.
MGRU	Made Ground	4	-		
LC	Clay	16	-	20	- (6.10)
	For Hampstead Tube Rly.				

(5412) Wt.23837/P8.154 2m. 10/44 O.W.B.Ltd. Gp.863

69, Upper Ground,
S.E.1.

The London Passenger Transport Board,
55, Broadway,
S.W.1.

TQ28NE/48

2737.9510

256

April/May, 1941.

STRATA DETAILS OF TRIAL HOLE DRILLED BY MESSRS. R. RICHARDS & CO. FOR THE LONDON PASSENGER TRANSPORT BOARD, 55 BROADWAY, S.W.1.
Site - Belsize Park.

— Belsize Park St.n not sited.

	Thickness. Ft.	In.	Depth. Ft.	In.
Ashes	0	6"	0	6"
Made up Ground	7	6	8	0
Mud with water	1	0	9	0
Made up Yellow Clay... ...	3	6	12	6
Yellow Clay	12	6	25	0
Blue Clay	118	0	143	0

Norwest Holst Soil Engineering Ltd.

Borehole No. **1**

BOREHOLE LOG

Contract No. F7406
Location Haverstock Hill
Client London Borough of Camden
Method of Boring Shell & Auger
Diameter of Borehole 150mm

TQ 28 SE

Sheet 1 of 1
Chainage
Ground Level m.A.O.D.
Date 18/5/82

1159

Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
MADE GROUND: Soft, dark brown, sandy silty CLAY with much fine to coarse gravel of flint, brick and quartzite.		0.50			0.50 (20)		
Soft, orange brown, slightly sandy silty CLAY with a little fine gravel and rootlets.		1.10			1.50 (50)		
Stiff, brown, slightly sandy silty CLAY with a little fine to medium gravel. Becoming less sandy with depth.					2.50 (50)		
		4.00			3.50 (50)		
End of Borehole.							

Type of Sample
S.P.T. Undisturbed
C.P.T. Vane
Jar Water
Bulk Piezometer

Remarks (Observations of Ground Water etc.)

(-) U100 blows

Borehole dry during boring.
No casing.

Water levels are subject to seasonal or tidal variations and should not be taken as constant

Norwest Holst Soil Engineering Ltd.

Borehole No. 2

Contract No. F7406
Location Heverstock Hill
Client London Borough of Camden
Method of Boring Shell & Auger
Diameter of Borehole 150mm

BOREHOLE LOG

TP285E

Sheet 1 of 1
Chainage 1160
Ground Level ..... m.A.O.D.
Date 18/5/87

Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
MADE GROUND: Soft dark brown, very sandy silty CLAY with much fine to coarse gravel of flint, bricks, coal, glass, sandstone.		0.50			0.50 (30)		
Firm orange brown (locally mottled grey), sandy silty CLAY with some fine to medium gravel and rootlets. Becoming less sandy with depth.		1.90			1.50 (50)		
Stiff, brown (locally mottled grey) slightly silty CLAY with occasional sand and fine gravel.					2.50 (50)		
					3.50 (50)		
End of Borehole.		4.00					

Type of Sample

- Ds S.P.T.
- Undisturbed
- Ic. C.P.T.
- × Vane
- O Jar
- Δ Water
- ● Bulk
- Piezometer

Remarks (Observations of Ground Water etc.)

(-) U100 blows

Borehole dry during boring.

No casing.

Water levels are subject to seasonal or tidal variations and should not be taken as constant

Norwest Holst Soil Engineering Ltd.

Borehole No. 3

BOREHOLE LOG

Contract No. F7406
Location. Haverstock Hill
Client. London Borough of Camden
Method of Boring. Shell & Auger
Diameter of Borehole. 150mm

TQ28SE

Sheet 1 of 1
Chainage 1161
Ground Level ..... m.A.O.D.
Date 19/5/87

Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
Concrete		0.05					
MADE GROUND: Firm, grey, sandy silty CLAY with much fine to medium gravel of brick, flint, glass and sandstone.		0.50			0.50 (30)		
Firm, orange brown, slightly sandy silty CLAY with occasional fine gravel.		0.95			1.50 (50)		
Firm brown (locally mottled grey), slightly sandy silty CLAY with occasional sand and fine gravel.		3.30			2.50 (50)		
Stiff, brown, slightly silty CLAY with occasional sand and fine gravel.		4.00			3.50 (50)		
End of Borehole.							

Type of Sample

- S.P.T. ■ Undisturbed
- C.P.T. × Vane
- O Jar Δ Water
- ● Bulk ▦ Piezometer

Remarks (Observations of Ground Water etc.)

(-) U100 blows

Borehole dry during boring.
No casing.

Water levels are subject to seasonal or tidal variations and should not be taken as constant.

Norwest Holst Soil Engineering Ltd.

Borehole No. **4**

BOREHOLE LOG

Contract No. F7408
Location Haverstock Hill
Client London Borough of Camden
Method of Boring Shell & Auger
Diameter of Borehole 150mm

TQ 28 SE

Sheet 1 of 1
Chainage 1162
Ground Level ..... m.A.O.D.
Date 19/5/87

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
MADE GROUND: Soft - firm, black, very sandy very silty CLAY with some fine to coarse gravel - of bricks flint and sandstone.		0.95			0.50 (20)		
Stiff, brown (locally mottled grey) slightly sandy silty CLAY with occasional fine to medium gravel.					1.50 (50)		
					2.50 (50)		
					3.50 (50)		
		4.00					
End of Borehole.							

Type of Sample

S.P.T.		Undisturbed	
C.P.T.		Vane	
Jar		Water	
Bulk		Piezometer	

Remarks (Observations of Ground Water etc.)

(-) U100 blows

Borehole dry during boring.
No casing.

Water levels are subject to seasonal or tidal variations and should not be taken as constant

Norwest Holst Soil Engineering Ltd.

Borehole No. 5

BOREHOLE LOG

Contract No. F7406
Location Haverstock Hill
Client London Borough of Camden
Method of Boring Shell & Auger
Diameter of Borehole 150mm

TQ 28 SE

Sheet 2 of 2
Chainage 1163
Ground Level ..... m.A.O.D.
Date 19/5/87 - 20/5/87

Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
Stiff, laminated, fissured, grey slightly silty CLAY.					10.00 (70)		
					11.50 (70)		
		14.00					
Very stiff, laminated fissured, grey slightly silty CLAY.					13.00 (70)		
					14.50 (70)		
					16.00 (70)		
					17.50 (70)		
					18.50 (70)		
End of Borehole.		20.00			19.50 (80)		

Type of Sample

S.P.T. Undisturbed
Ic. C.P.T. × Vane
O Jar Δ Water
● Bulk Piezometer

Remarks (Observations of Ground Water etc.)

(-) U100 blows

Water levels are subject to seasonal or tidal variations and should not be taken as constant

Norwest Holst Soil Engineering Ltd.

Borehole No. 5

BOREHOLE LOG

Contract No. F7408
Location. Haverstock Hill
Client. London Borough of Camden
Method of Boring. Shell & Auger
Diameter of Borehole. 150mm

TQ 28 SE

Sheet 1 of 2
Chainage 1163
Ground Level ..... m.A.O.D.
Date 19/5/87 - 20/5/87

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
TOPSOIL		0.10					
MADE GROUND: Soft, dark brown, very sandy silty CLAY with some brick, glass and flint gravel.		0.50			0.50 (30)		
MADE GROUND: Firm brown, slightly sandy, silty CLAY with occasional fine to coarse gravel and rootlets.		2.50		150mm to 1.50m 19/5	1.50 (50)		
Stiff, laminated, brown (locally mottled grey), silty CLAY with occasional pockets of fine sand and fine gravel.					2.50 (50)		
					4.00 (50)		
					5.50 (50)		
					7.00 (50)		
					8.50 (80)		19/5
Stiff, laminated, fissured, grey slightly silty CLAY.		9.50					20/5

Type of Sample

- S.P.T. ■ Undisturbed
- C.P.T. × Vane
- O Jar △ Water
- ● Bulk ▩ Piezometer

Remarks (Observations of Ground Water etc.)

(-) U100 blows

Borehole dry during boring.

Water levels are subject to seasonal or tidal variations and should not be taken as constant

Norwest Holst Soil Engineering Ltd.

Borehole No. 6

BOREHOLE LOG

Contract No. F7406
Location Haverstock Hill
Client London Borough of Camden
Method of Boring Shell & Auger
Diameter of Borehole 150mm

TQ 28 SE

Sheet 2 of 2
1164
Chainage
Ground Level m.A.O.D.
Date 20/5/87

Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
Stiff, fissured, grey slightly silty CLAY, with occasional shell fragments.		11.00			10.00 (60)		
Very stiff, fissured, laminated, grey, slightly silty CLAY.					11.50 (60)		
					13.00 (70)		
					14.50 (70)		
					16.00 (70)		
					17.50 (70)		
					18.50 (70)		
End of Borehole.		20.00			19.50 (60)		

Type of Sample
S.P.T. Undisturbed
C.P.T. Vane
Jar Water
Bulk Piezometer

Remarks (Observations of Ground Water etc.)

Borehole dry.

(-) U100 blows

Water levels are subject to seasonal or tidal variations and should not be taken as constant

Norwest Holst Soil Engineering Ltd.

Borehole No. 6

BOREHOLE LOG

Contract No. F7408
Location Haverstock Hill
Client London Borough of Camden
Method of Boring Shell & Auger
Diameter of Borehole 150mm

TQ 28 SE

Sheet 1 of 2
Chainage 1164
Ground Level ..... m.A.O.D.
Date 20/5/87

Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
Concrete		0.05					
MADE GROUND: Firm, brown, slightly sandy silty CLAY with some fine to medium brick, flint, ash, glass and sandstone gravel. Becoming less sandy with depth mottled grey from 2.00m.				150mm to 1.50m	0.50 (30) 1.50 (50) 2.50 (50)		
		3.00					
Sitff, brown (locally mottled grey), slightly silty CLAY with occasional sand and fine gravel.					4.00 (50) 5.50 (50) 7.00 (50)		
		8.00					
Stiff, fissured, grey, slightly silty CLAY with occasional shell fragments.					8.50 (80)		

Type of Sample

- S.P.T. ■ Undisturbed
- Ic. C.P.T. × Vane
- O Jar △ Water
- ● Bulk ▦ Piezometer

Remarks (Observations of Ground Water etc.)

(-) U100 blows

Borehole dry during boring.

Water levels are subject to seasonal or tidal variations and should not be taken as constant

Norwest Holst Soil Engineering Ltd.

Borehole No. 7

BOREHOLE LOG

Contract No. F7406
Location Haverstock Hill
Client London Borough of Camden
Method of Boring Shell & Auger
Diameter of Borehole 150mm

TQ28 SE

Sheet 2 of 2
Chainage
Ground Level m.A.O.D.
Date 21/5/87

1165

Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
Stiff, fissured, grey slightly silty CLAY with occasional pockets of fine sand.		11.50			10.00 (60)		
Very stiff, laminated, fissured, grey slightly silty CLAY with a little fine sand.					11.50 (60)		
					13.00 (60)		
					14.50 (60)		
					16.00 (70)		
					17.50 (70)		
					18.50 (70)		
End of Borehole.		20.00			19.50 (80)		

Type of Sample

S.P.T. Undisturbed
C.P.T. Vane
Jar Water
Bulk Piezometer

Remarks (Observations of Ground Water etc.)

(-) U100 blows

Water levels are subject to seasonal or tidal variations and should not be taken as constant

Norwest Holst Soil Engineering Ltd.

Borehole No. 7

BOREHOLE LOG

Contract No. F7406
Location Haverstock Hill
Client London Borough of Camden
Method of Boring Shell & Auger
Diameter of Borehole 150mm

TQ 28 SE

Sheet 1 of 2
Chainage 1165
Ground Level ..... m.A.O.D.
Date 21/5/87

Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
Tarmac		0.30					
MADE GROUND: Soft, brown/black, slightly sandy, silty CLAY with some cinder ash, brick and sandstone gravel.		1.00		150mm to 1.50m	0.50 (30)		
Firm, orange brown, gravelly CLAY with a little sand and silt. Fine to coarse gravel - of subrounded quartzite.		2.50			1.50 (50)		
Stiff, brown (locally mottled grey) slightly silty CLAY with occasional sand and fine gravel and a little organic matter.					2.50 (50)		
					4.00 (50)		
					5.50 (50)		
					7.00 (50)		
		8.00					
Stiff, fissured, grey, slightly silty CLAY with occasional pockets of fine sand.					8.50 (60)		

Type of Sample

- Is S.P.T. ■ Undisturbed
- Ic. C.P.T. × Vane
- O Jar △ Water
- ● Bulk ▩ Piezometer

Remarks (Observations of Ground Water etc.)

Borehole dry during boring.

Water levels are subject to seasonal or tidal variations and should not be taken as constant.

APPENDIX D

Flood Risk Assessment and Drainage Strategy Reports

PRICE&MYERS

Flood Risk & Surface Water Run-off Assessment

32 Glenilla Road, London, NW3 4AN

Prepared by: Jaklin Zankova BEng (Hons)
Reviewed by: Dimitris Linardatos BEng (Hons) MSc CEng MICE FIHE

Date: October 2015
Job No.: 24357

Revisions

Rev	Date	By	Notes
1	27.10.15	DR	Issued for planning
2	25.11.16	JZ	Issued for planning

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Abbreviations

AOD	Above Ordnance Datum
FFL	Finished Floor Level
BGL	Below Ground Level
EA	Environment Agency
NPPF	National Planning Policy Framework
SFRA	Strategic Flood Risk Assessment
SUDS	Sustainable Drainage Systems

1 Introduction

1.1 Scope of Work

Price & Myers have been commissioned to compile the Flood Risk and Run-off Assessment to support a Basement Impact Assessment for the proposed redevelopment of 32 Glenilla Road, Camden. The Hydrogeological Assessment and Land Stability Assessment sections of the Basement Impact Assessment have been completed by a specialist geotechnical consultant. This report focuses on the Assessment of Surface Water behavior.

1.2 Purpose of this report

The purpose of this report is to check the relevant history of the site and surrounding area with respect to previous surface water behavior and any flooding incidents. This is followed by an assessment of the possible impact of the proposed development on the local surface water behavior and the risk of flooding. The report will then provide outline solutions for any mitigating actions that can be introduced into the design. An integral part of this process is the preparation of a Flood Risk Assessment (FRA).

This FRA has been carried out in accordance with the National planning Policy Framework (NPPF), along with advice and guidance from the Environment Agency (EA), the London Borough of Camden's Strategic Flood Risk Assessment (SFRA), CIRIA documents and the Camden Geological Hydrogeological and Hydrological Study – Guidance for Subterranean Development.

1.3 The Author

This report has been prepared by Jaklin Zankova, a Civil Engineer with more than three years of experience in drainage design and flood risk assessment.

This report has been reviewed by Dimitris Linardatos, a BEng MSc in Civil Engineering, a Chartered Member of the Institution of Civil Engineers, Member of the British Hydrological Society and Fellow Member of the Institution of Highway Engineers and head of the Civil Engineering team at Price & Myers LLP. Dimitris has over 10 years working experience on major Civil Engineering projects with the focus on Surface Water Management, Underground Drainage and Flood Management.

2 Site Description and Location

The site is located on Glenilla Road in the London Borough of Camden (Figure 1). The site is bound by Glenilla Road to the north and existing residential properties to the east, south and west. The site is currently occupied by a single-storey derelict church hall. The topographical survey drawing (Appendix A) shows that the site is generally flat with levels varying across the site from approximately 61.80mAOD on the northern boundary to 61.60m AOD on the southern boundary. The site postcode is NW3 4AN and the grid reference is 527153E, 184858N. Thames Water sewer records show that there is a 381mm diameter combined sewer running north-west to south-east along Glenilla Road (see Figure 2).

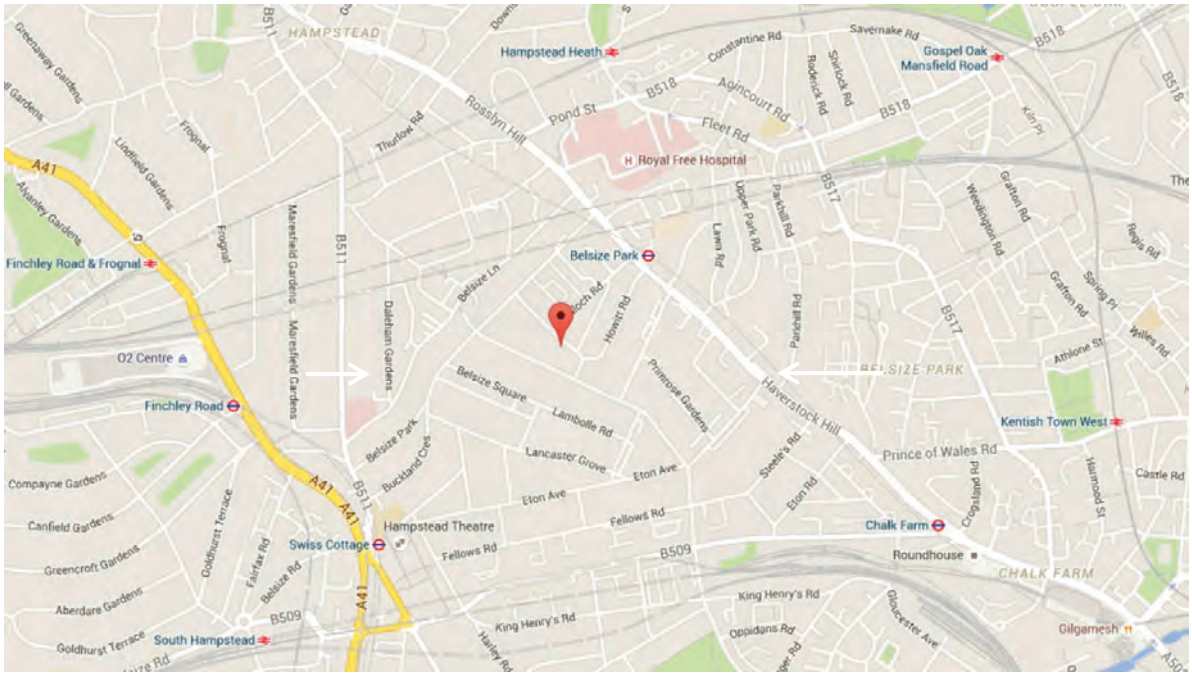

Figure 1 Site Location (Google Maps)

Figure 2 Existing Public Sewers (Thames Water)