

**Consulting Structural Engineers
Consulting Civil Engineers**

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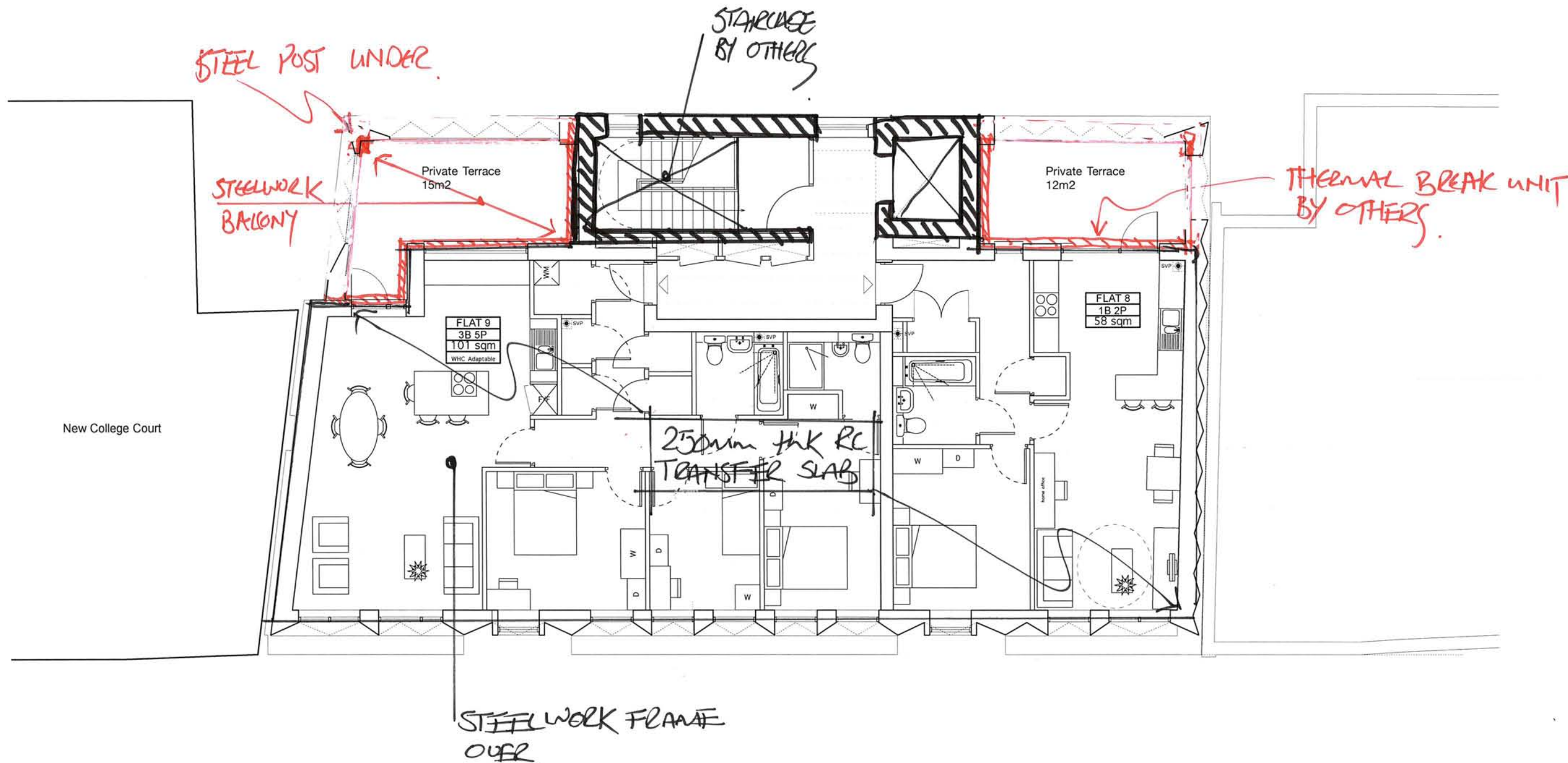
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APPENDIX C

STRUCTURAL SCHEME AND TEMPORARY WORKS SUGGESTION

**REV A - ALTERED TO REFLECT REVISED ARCHITECTURAL
SCHEME**



General Notes
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The site boundaries and surroundings are based on a survey carried out by Maltby land surveys Ltd. The site boundaries are those described by the client.

These drawings are to be read in conjunction with all other relevant documentation produced by Stephen Davy Peter Smith Architects and other consultants employed by the client.

Do not scale the drawing.

Rev	Comment	By	Date
B	Metal cladding to top floor revised	CM	27.11.13
A	Metal cladding to top floor revised	CM	21.11.13
-	Preliminary Issue - For comment	CM	08.11.13

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peter smith

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 E-mail: sdpsa@davysmitharchitects.co.uk
 Website: www.davysmitharchitects.co.uk

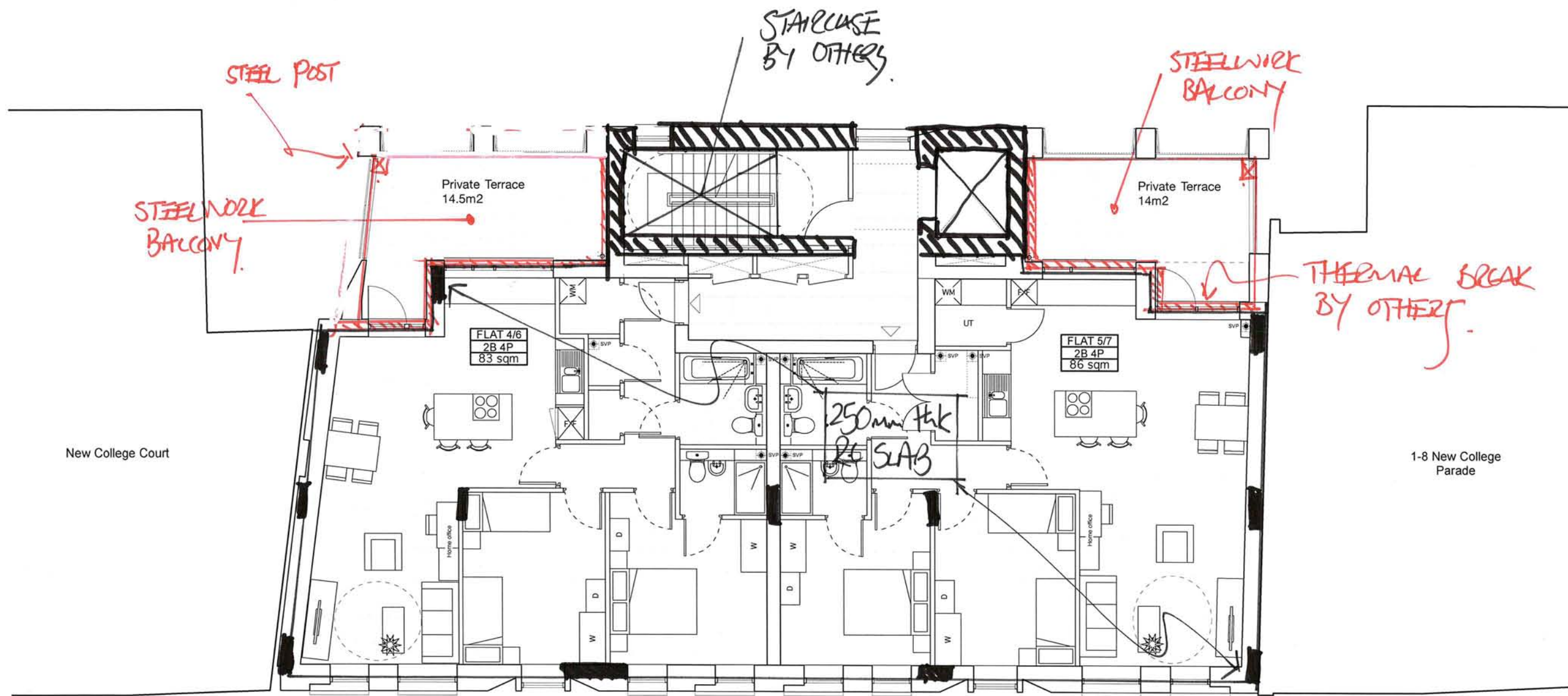
Client
 Brampton Investments Ltd.
 C/O Koopmans

Project
 9-12 New College Parade
 Finchley Road
 London, NW3

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P2-9-12-13 - AMENDMENTS TO SWIT
 ARCHITECTURAL DEVELOPMENT

Project	NEW COLLEGE PARADE	Job No.	130607
Title	STRUCTURAL SCHEME 4th FLOOR	Drg. No.	SSK008
Status	PRELIMINARY	Scale	-
		Date	09.12.13
		Drawn	JS
		Checked	JS



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Rev	Comment	By	Date
A	Windows revised	CM	27.11.13
-	Preliminary Issue - For comment	CM	08.11.13

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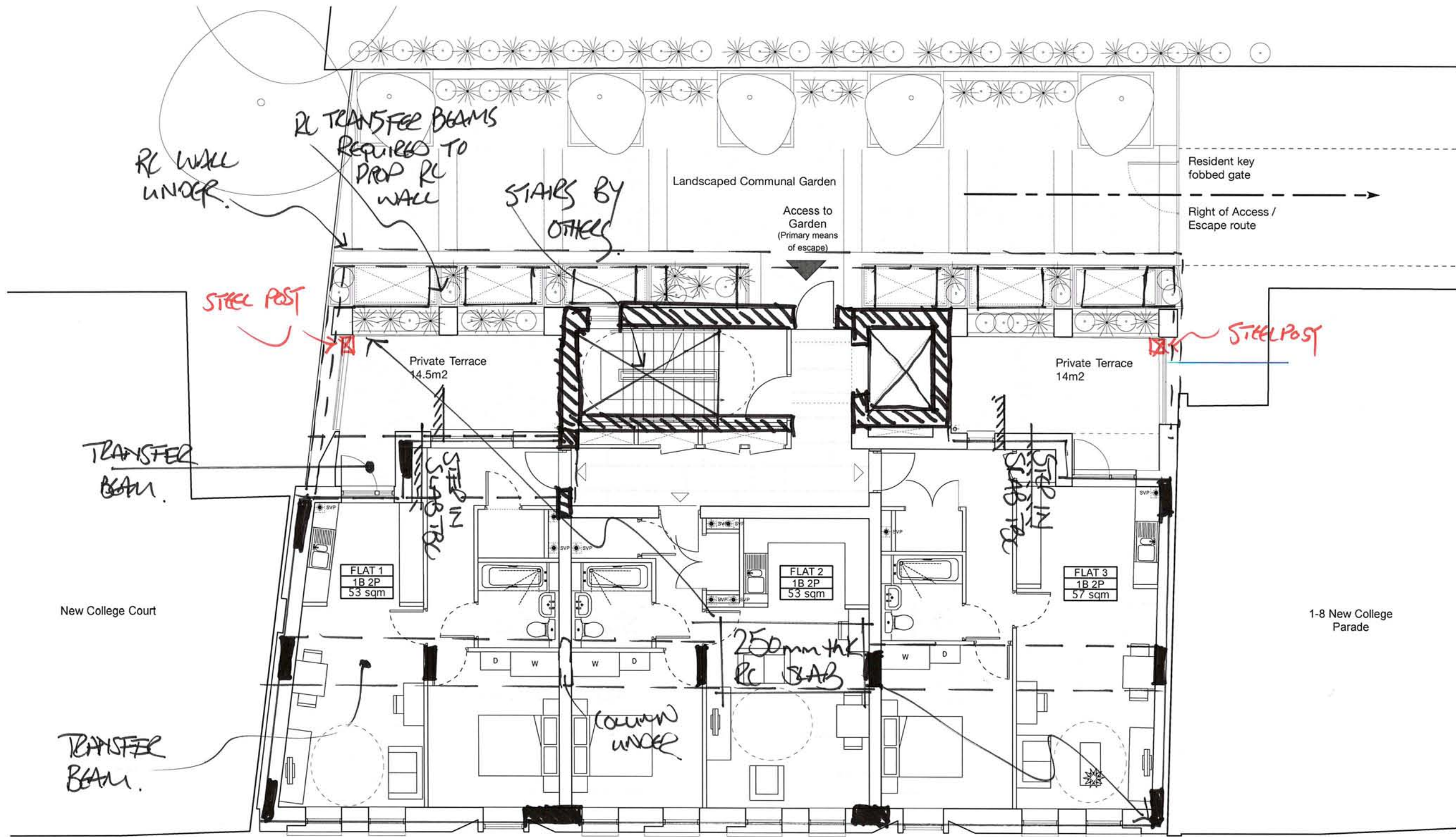
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P2 - AMENDMENTS TO SUIT ARCHITECTURAL DEVELOPMENT - 9.12.13

Project	Job No.
NEW COLLEGE PARADE	130607
Title	Drg. No.
STRUCTURAL SCHEME 2ND & 3RD FLOOR	SSK 007
Status	Date
PRELIMINARY	8.12.13
	Drawn
	55
	Checked
	55



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Rev	Comment	By	Date
B	Windows revised	CM	27.11.13
A	For comment - Access notation added	CM	15.11.13
-	Preliminary Issue - For comment	CM	08.11.13

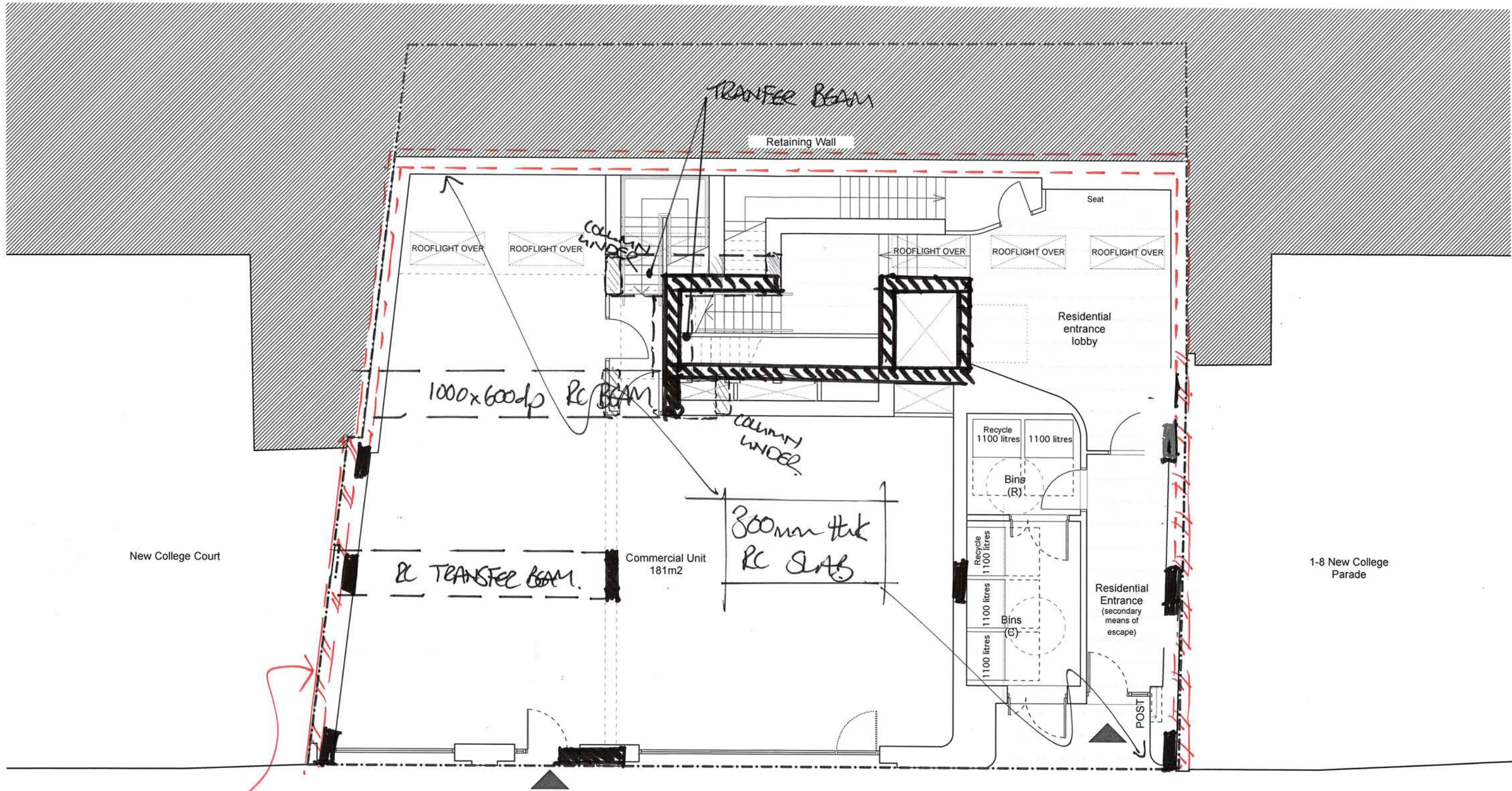
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P2-8.12.13- AMENDMENTS TO SUIT ARCHITECTURAL DEVELOPMENT

Project NEW COLLEGE PARADE	Job No. 180607
Title STRUCTURAL SCHEME 1ST FLOOR	Drg. No. SSK 0006
Status PRELIMINARY	Scale DATE 8.12.13
	Drawn JS
	Checked



EXISTING MASONRY PARTY WALL UNDER

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Rev	Comment	By	Date
A	For comment - Basement stair layout revised	CM	15.11.13
-	Preliminary Issue - For comment	CM	08.11.13

FINCHLEY ROAD

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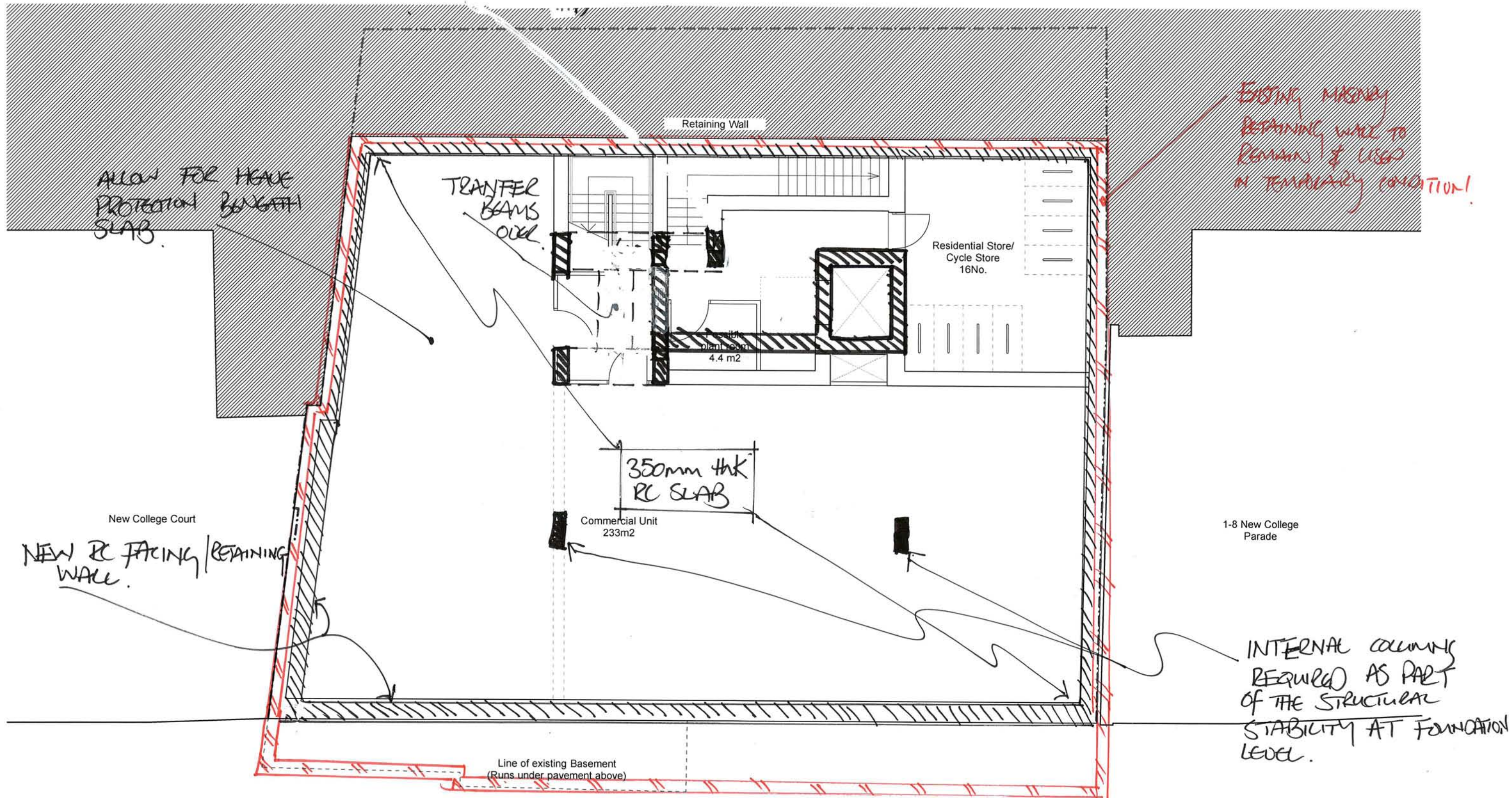
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P2-4-12-13 - AMENDMENTS TO SUIT ARCHITECTURAL DEVELOPMENT

Project	Job No.
NEW COLLEGE PARADE	130607
Title	Drg. No.
STRUCTURAL SKHEME	SSK005-P2
GROUND FLOOR	Scale
Status	Date
PRELIMINARY	4.12.13
	Drawn
	JS
	Checked
	JS



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Do not scale the drawing.

Rev	Comment	By	Date
A	For comment - Basement layout revised	CM	15.11.13
-	Preliminary Issue - For comment	CM	08.11.13

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P2-8.12.13 - AMENDMENTS TO SUIT ARCHITECTURAL DEVELOPMENT

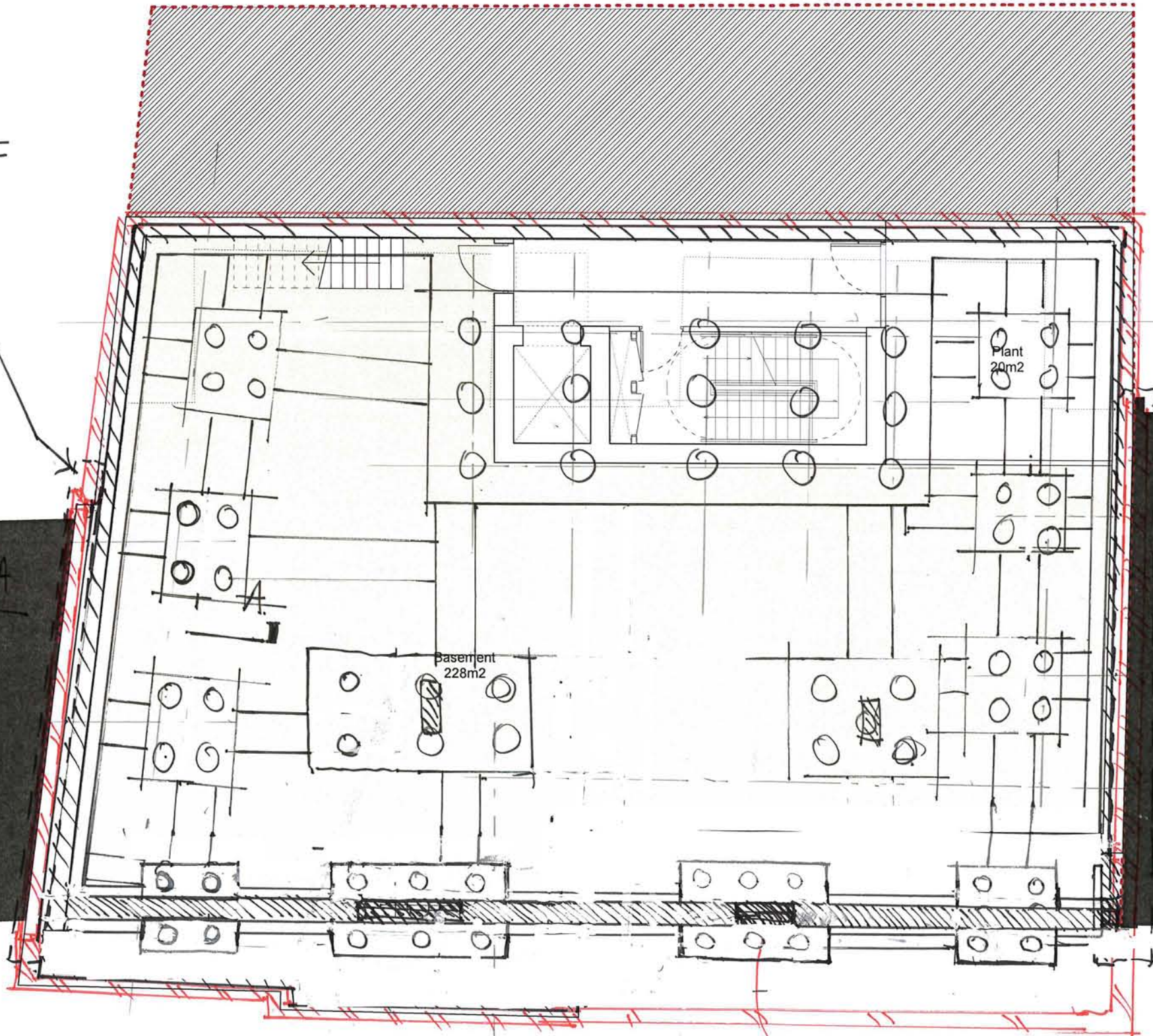
Project	NEW COLLEGE PARADE	Job No.	130607
Title	STRUCTURAL SCHEME BASEMENT FLOOR	Drg. No.	SSK 1004
Status	PRELIMINARY	Scale	
		Date	8.12.13
		Drawn	JS
		Checked	

NOTES

- PILES SHOWN INDICATIVELY TBC FOLLOWING SITE INVESTIGATION. OTHER OPTION IS TO USE A RAFT FOUNDATION.
- FOUNDATION SCHEME DEPENDANT ON LONDON UNDERGROUND APPROVALS.

EXTENT OF UNDERPINNING TO PARTY WALL.

UNDERPINNING TO PARTY WALL.



Note:
Drawing is based on OS Plan and Maltby Survey drawings 12/268/200-400
Drawing is subject to Planning and all other Statutory Approvals.



Rev	Comment	By	Date
A	Staircore location revised	CM	150413

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P2-4-12-13 - AMENDMENTS TO SUIT ARCHITECTURAL DEVELOPMENT

Project	NEW COLLEGE PARADE	Job No.	130607
Title	STRUCTURAL SCHEME FOUNDATION LAYOUT	Drg. No.	SSK002
Status	PRELIMINARY	Scale	8-11-13
		Date	
		Drawn	J
		Checked	J

SITE VISIT HIGHLIGHTS EXISTING BASEMENT

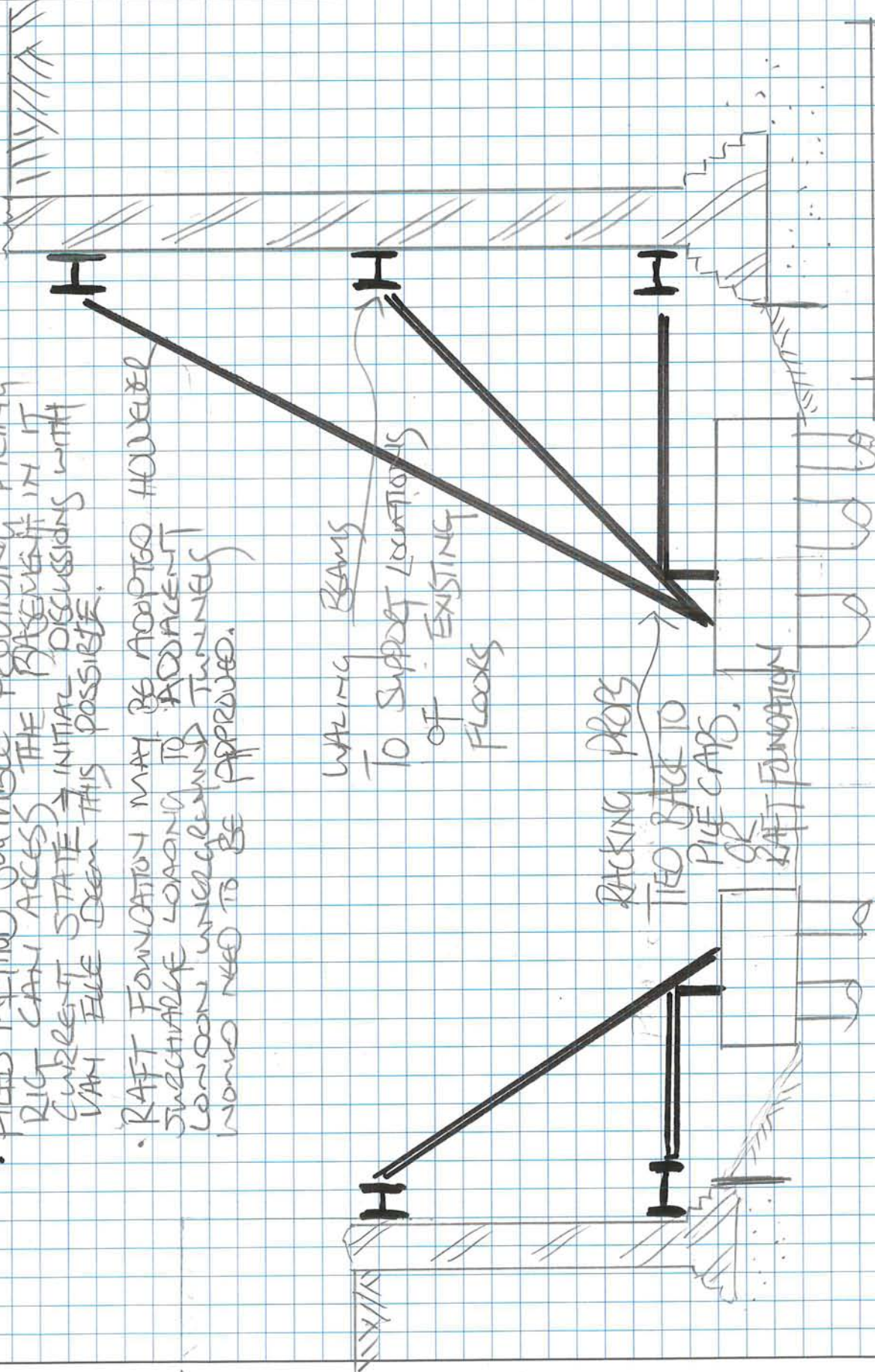
rev. date

- PILED METHOD SUITABLE PROVIDING PILING RIG CAN ACCESS THE PILEMENTS IN IT CURRENT STATE → INITIAL DISCUSSIONS WITH VAN EULE DEEM THIS POSSIBLE.
- RAFT FOUNDATION MAY BE ADOPTED HOWEVER STRUCTURAL LOADING TO ADJACENT LONDON UNDERGROUND TUNNELS WOULD NEED TO BE APPROVED.

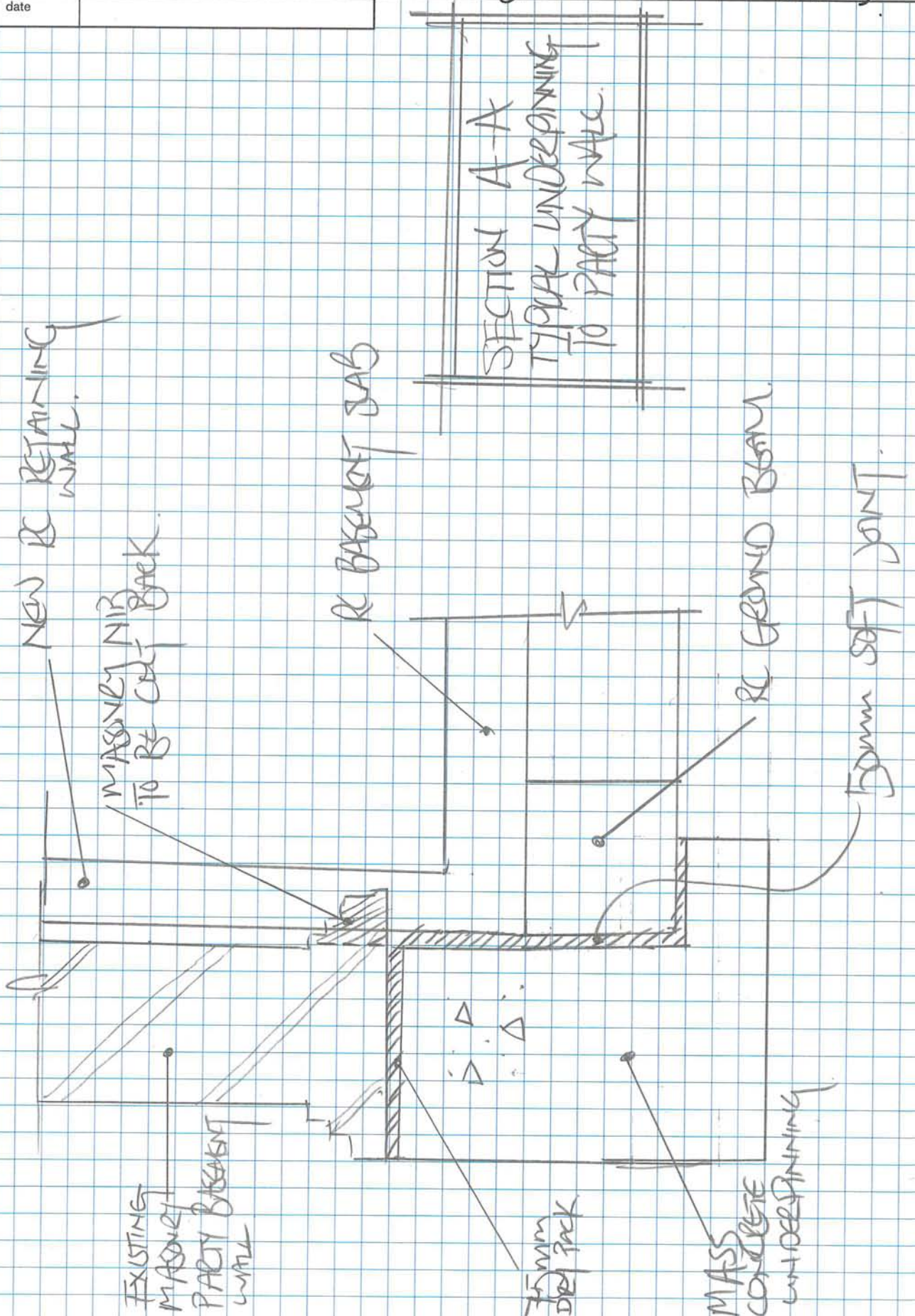
WALKING BEAMS
 TO SUPPORT LOCATIONS
 OF EXISTING
 FLOORS

RACKING PROPS
 TIED BACK TO
 PILE CAPS.
 SK RAFT FOUNDATION

SECTION B-B
 SUGGESTED PROPPING
 METHOD



rev.	date



EXISTING MASONRY
RETAINING WALLS

TB

WALING
BEAM!

Note:
Drawing is based on OS Plan and
Maltby Survey drawings
12/268/200-400
Drawing is subject to Planning and all
other Statutory Approvals.



RACKING
PROPS!

OUTLINE OF PROPOSED
PILE CAP LOCATIONS

Plant
20m²

Basement
228m²

A	Staircore location revised	CM	150413
Rev	Comment	By	Date

**Stephen Davy Peter Smith
Architects**

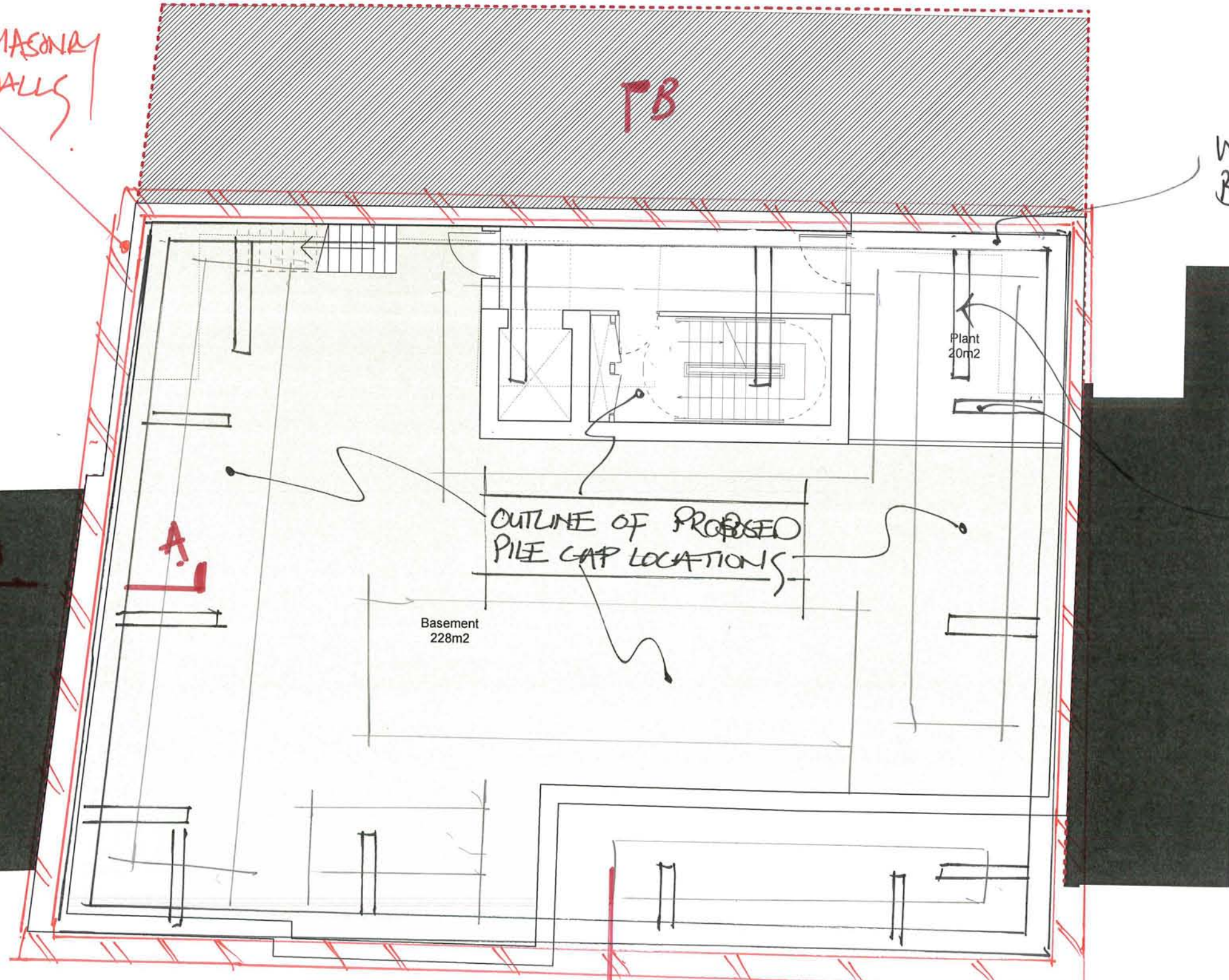
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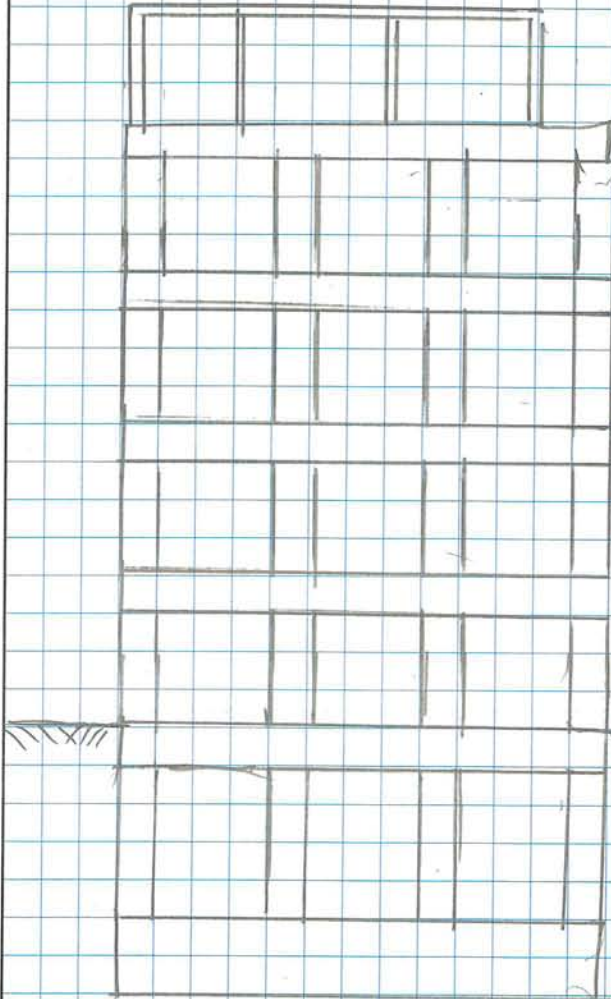
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Project	NEW COLLEGE PARADE	Job No.	13007
Title	STRUCTURAL SCHEME SUGGESTED TEMPORARY WORKS	Drg. No.	SSK 008
Status	(E.I.) WORKS	Scale	
		Date	8.11.12
		Drawn	JS
		Checked	



rev. date



ROOF LEVEL 5 kN/m²

4th FLOOR 12 kN/m²

3rd FLOOR 12 kN/m²

2nd FLOOR 12 kN/m²

1st FLOOR 12 kN/m²

GROUND 18 kN/m²

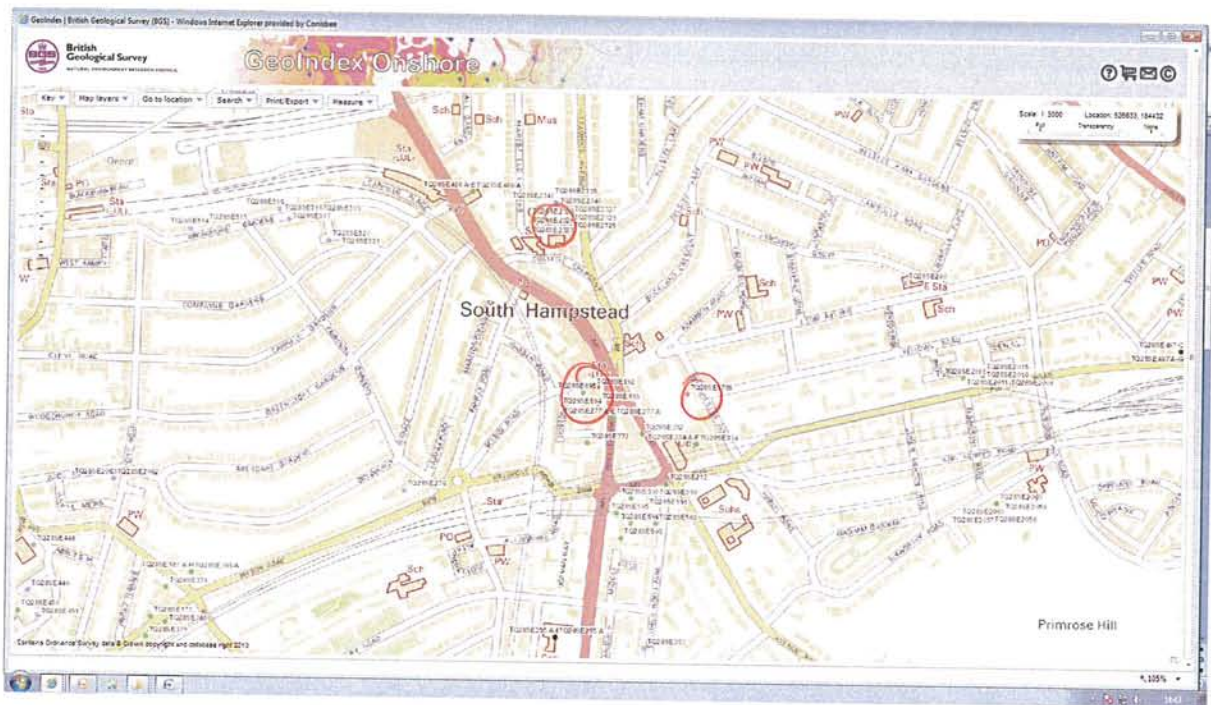
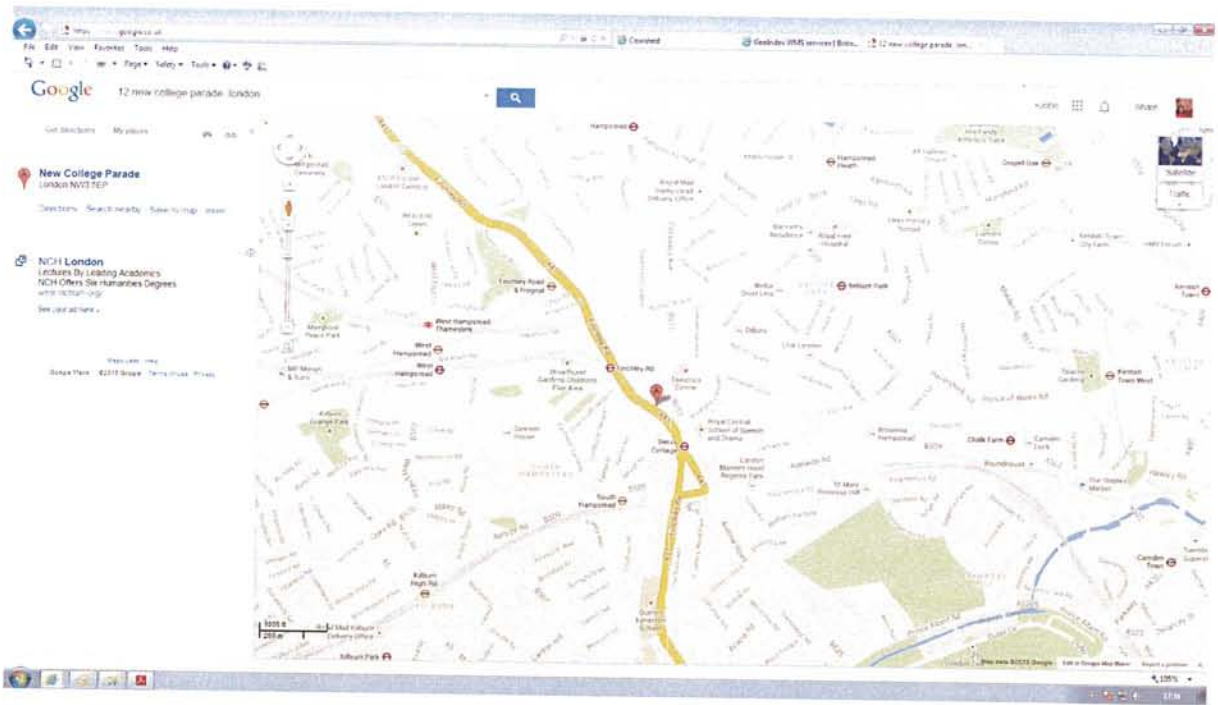
BASMENT/RAFT 30 kN/m²

101 kN/m²

BASED ON FOLLOWING BGS DATA FOUNDATION MATERIAL IS STIFF BROWN CLAY ∴ BEARING CAPACITY APPROXIMATELY = 150-300 kN/m² (BS8004)

∴ RAFT FOUNDATION FEASIBLE PROVIDING ADDITIONAL SURCHARGE TO LONDON UNDERGROUND TUNNELS DEEMED SATISFACTORY OTHERWISE PILED OPTION NEEDS TO BE ADOPTED.

THE ABOVE TO BE CONFIRMED FOLLOW SITE INVESTIGATION.



GROUND EXPLORATIONS LTD.

BOREHOLE NO. 1

TA 28 SE/Box 488A

Contract Name Holy Trinity, Finchley Rd. Report No. 5583/DW/IAB 2636.8470
 Client Mitchell, McFarlane & Partners, Site Address 1" 256
 Address 136 Buckingham Palace Road, Holy Trinity Church,
Westminster, Finchley Road,
London SW1W 9SA. London, N.W.3.

Standing Water Level - Method of Boring Shell and auger
 Water Struck - Diameter 150mm.
 Ground Level O.D. 55.43m. Start 29.2.72. Finish 1.3.72.
 Perforated Casing -

Remarks

m. JARS		m. CORES		m. BULK	
9576	0.3	9595	11.6	9578	0.9
9577	0.6	9597	12.8	9580	2.1
9579	1.8	9599	14.0	9582	3.4
9581	3.0	9601	15.2	9584	4.6
9583	4.3			9586	5.8
9585	5.5			9588	7.0
9587	6.7			9590	8.2
9589	7.9			9592	9.4
9591	9.1			9594	10.7
9593	10.0			9596	11.9
				9598	13.1
				9600	14.3
Description				Thickness	Depth
				m.	m.
Made ground : grey-blue sandy clay with bricks, stones, etc. Brown fissured clay with crystals. Dark brown fissured clay				0.5	0.5
				9.8	10.3
				4.9	15.2
TOTALS				15.2	15.2

- Notes 1. Descriptions are in accordance with B.S. Code of Practice C.P. 2001
 Clients are requested to compare with samples submitted.
 2. Core samples are nominally 102mm (4 ins.) diameter and 460mm (18 ins.) long.
 Depths shown are to top of sample.

THAMES EA

AC NO 4-5355

256

TQ28/209

Project No: 4001 **Borehole Number:** 1
Project: Swiss Cottage
Engineer: Gifford & Potts **NGR:** TQ 268 843
Client: Camden BC **Elevation:** 56m OAD

THAMES EA
 Kinley Hill Farm,
 Hawthorn, Seaham,
 County Durham, SR7 8SW.
 Tel: 0191 527 3970 (Northern)
 Tel: 01473 236611 (Southern)

TQ28SE/1769

SUBSURFACE PROFILE				INSTALLATION DETAILS		Remarks
Depth	Legend	Description	Elevation	Well Completion Details		
-2		Ground Surface	56.00			
0		Bricks and rubble				Cable Percussion boring at 10" to 9.0m BGL.
1		Dark brown sandy soil				Rotary mud flush drilling 9.0-157m BGL
2		Pale brown clay				Drill at 3 5/8" diameter: 9.0-117.0m BGL
3		Pale brown mottled clay	50.80			Permanent mild steel casing 6" diameter GL-117m BGL
4		Brown clay. Laminated from 5.2-9m				Drill at 5 5/8" diameter: 117.0-157m BGL
5						113/103mm uPVC liner installed full depth of hole.
6						Borehole acidized using 2l of 28% HCl.
7						Constant rate pump test carried out for 3 days and 1 day recovery
8		Grey clay	38.50			
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

Drilled By: N. Snowball/L. Berry **Date acidized:** 2 Nov 04
Logged by: C. Miller **Date geophysically logged:** n/a
Date step tested: 9-13 Nov 04 **Sheet:** 1 of 7

VAN ELLE LIMITED

Kirkby Lane
Pinxton
Nottinghamshire
NG16 6JA
Tel: 01773 580580
Fax: 01773 862100



Unwin Mini Kitten Rig

Rotary Auger / Drilling Piling Rig

Machine in Working Mode



Machine Weight	2.0 Tonnes
Machine Height in Transport	1.85m
Machine Height maximum (minimum)	2.5m (2.1m)
Machine Width maximum (minimum)	1000mm(750mm)
Power Pack Width	1300mm
Power Pack Height	1500mm
Power Pack Weight	1500kg

These fully hydraulic, purpose built piling rigs are designed and built for the installation of Continuous Flight Auger Bored Piles to a maximum diameter 300mm and Open Auger Bored Piles, using both temporary and permanent casing, up to a maximum diameter of 220mm, bored by a mast mounted rotary head delivering a torque of up to 5,000Nm. The diameter of Open Auger Bored Piles can be increased to 400mm in certain cases by slight workshop modification. The rig is also capable of drilling using both the Duplex and Odex techniques and also drilling through obstructions and hard ground with Down The Hole Hammer (DTH) equipment. The hydraulic mast can be extended / retracted to permit piles to be installed in very limited headroom. The rig is powered by a hydraulic power pack that is towed behind the rig, but can be located up to 50m from the rig during pile installation. The retractable rubber tracks and fully raking mast ensure that the rig can be tracked through a standard doorway to a working area.

VAN ELLE LIMITED

Kirkby Lane
 Pinxton
 Nottinghamshire
 NG16 6JA
 Tel: 01773 580580
 Fax: 01773 862100

**Unwin Super Kitten Rig**

Rotary Auger / Drilling Piling Rig

Machine in Working Mode



Machine Weight	2.0 Tonnes
Machine Height in Transport	1.85m
Machine Height maximum (minimum)	3.0m (2.2m)
Machine Width maximum (minimum)	1100mm(800mm)
Power Pack Width	1350mm
Power Pack Height	1500mm
Power Pack Weight	1500kg

These fully hydraulic, purpose built piling rigs are designed and built for the installation of Continuous Flight Auger Bored Piles to a maximum diameter 350mm and Open Auger Bored Piles, using both temporary and permanent casing, up to a maximum diameter of 340mm, bored by a mast mounted rotary head delivering a torque of up to 8,000Nm. The diameter of Open Auger Bored Piles can be increased to 400mm in certain cases by slight workshop modification. The rig is also capable of drilling using both the Duplex and Odex techniques and also drilling through obstructions and hard ground with Down The Hole Hammer (DTH) equipment. The hydraulic mast can be extended / retracted to permit piles to be installed in very limited headroom. The rig is powered by a hydraulic power pack that is towed behind the rig, but can be located up to 30m from the rig during pile installation. The retractable rubber tracks and fully raking mast ensure that the rig can be tracked through a standard doorway to a working area.