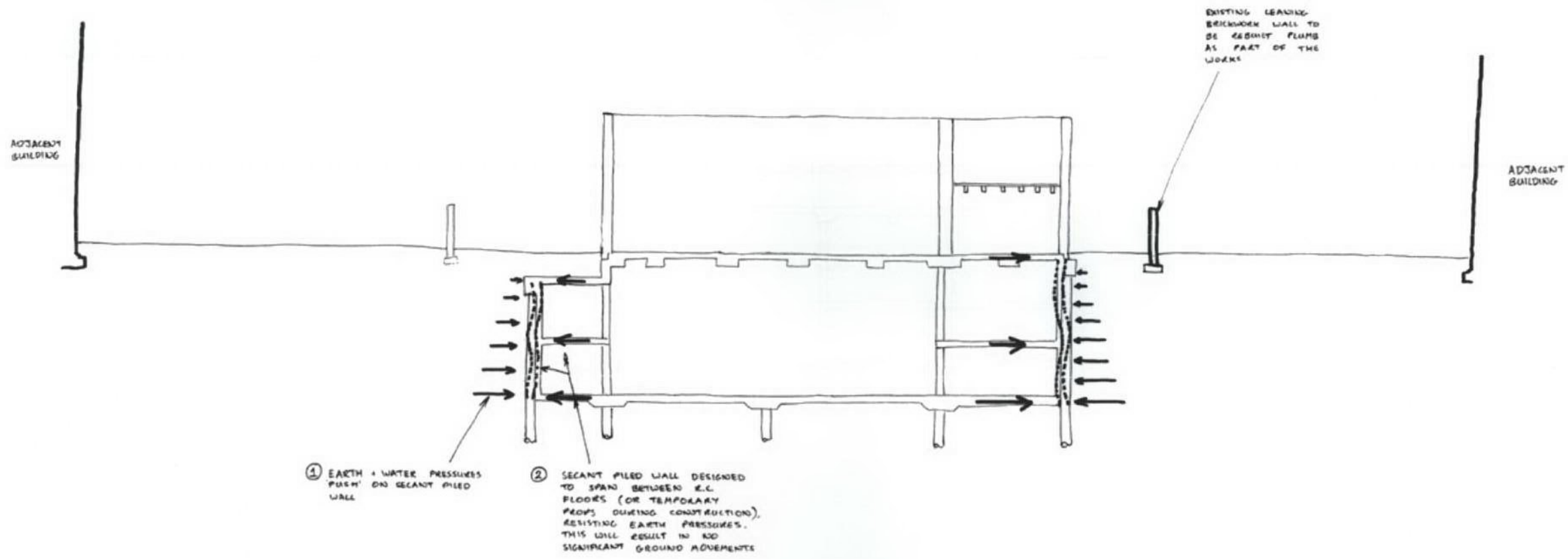


75 Cowcross Street
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tel 020 7250 1555

fax 020 7250 3022

email aba@alanbaxter.co.uk



- ① EARTH & WATER PRESSURES PUSH ON SECANT PILED WALL
- ② SECANT PILED WALL DESIGNED TO SPAN BETWEEN E.C. FLOORS (OR TEMPORARY PROPS DURING CONSTRUCTION), RESISTING EARTH PRESSURES. THIS WILL RESULT IN NO SIGNIFICANT GROUND MOVEMENTS

SECTION C-C SHOWING HOW THE PROPOSED BASEMENT RESISTS HORIZONTAL EARTH PRESSURES

PARK HOUSE, ONSLOW SQUARE

EFFECT OF BASEMENT CONSTRUCTION ON ADJACENT BUILDINGS

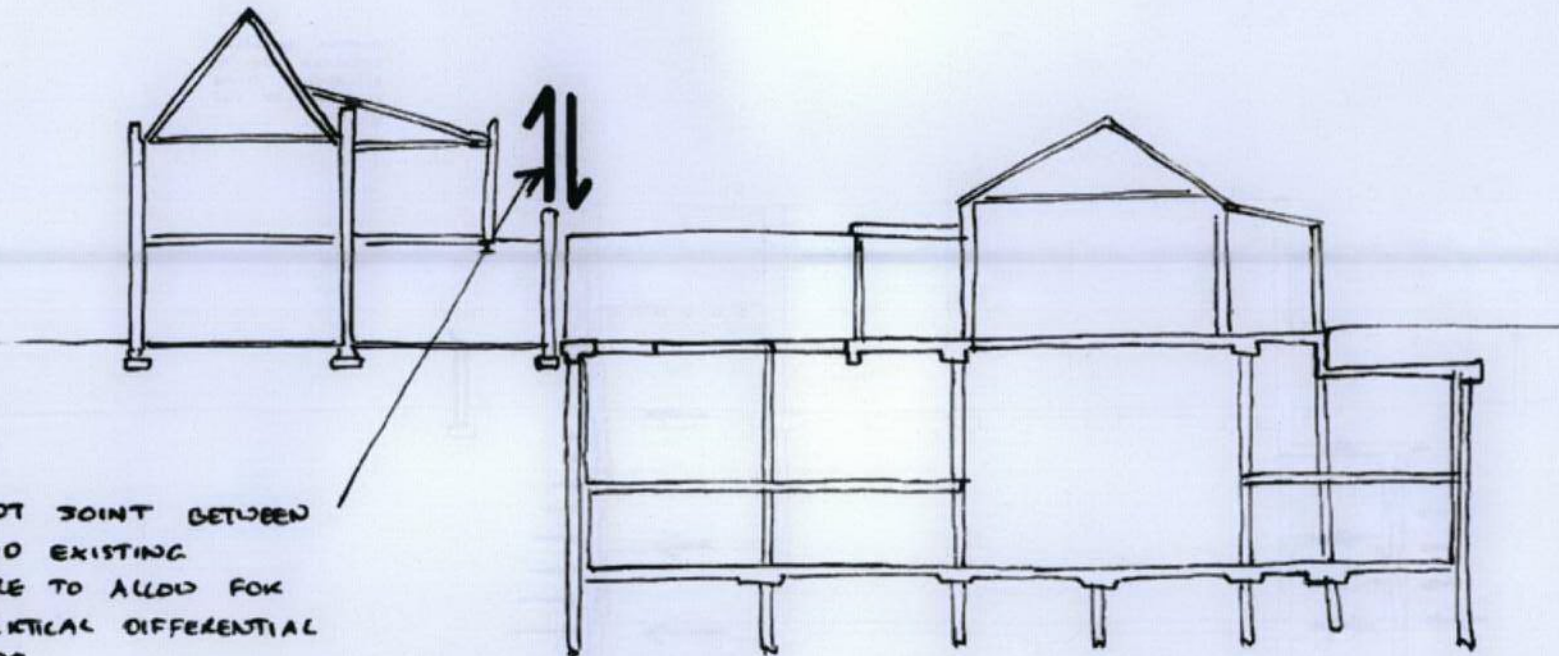
TR
AUG '12 1:100

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1617/01/031

EXISTING STRUCTURE TO BE RETAINED ← → EXISTING STRUCTURE TO BE DEMOLISHED TO ALLOW NEW BASEMENT TO BE CONSTRUCTED



MOVEMENT JOINT BETWEEN NEW AND EXISTING STRUCTURE TO ALLOW FOR SOME VERTICAL DIFFERENTIAL MOVEMENT

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

TR ISSUED AS PART OF REPORT TR

**PARK HOUSE
ONSLow SQUARE**

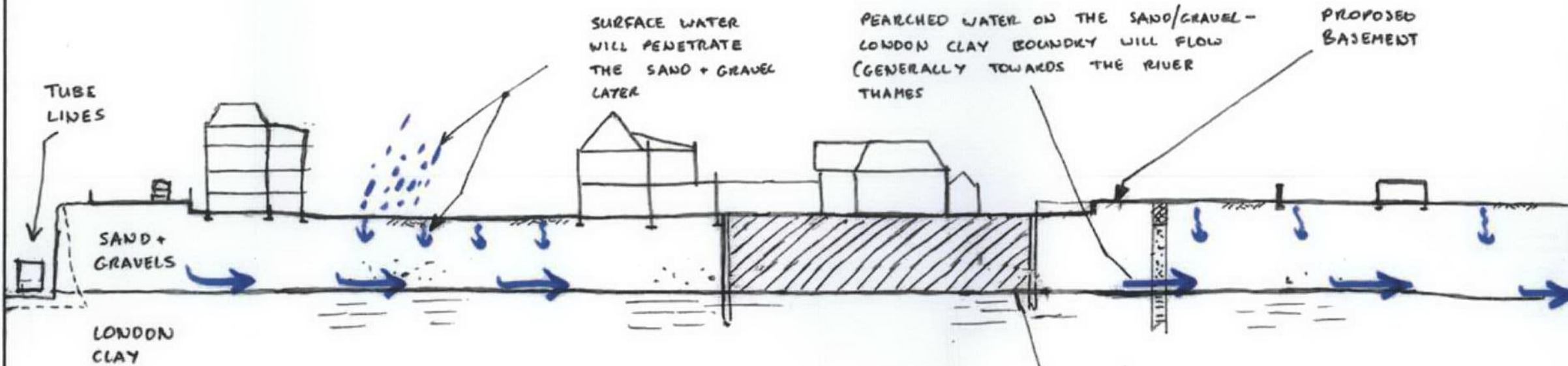
**EFFECT OF NEW BASEMENT
ON EXISTING STRUCTURE**

drawn TR	checked CS
date MAY '11	scale (original - A3) 1:100

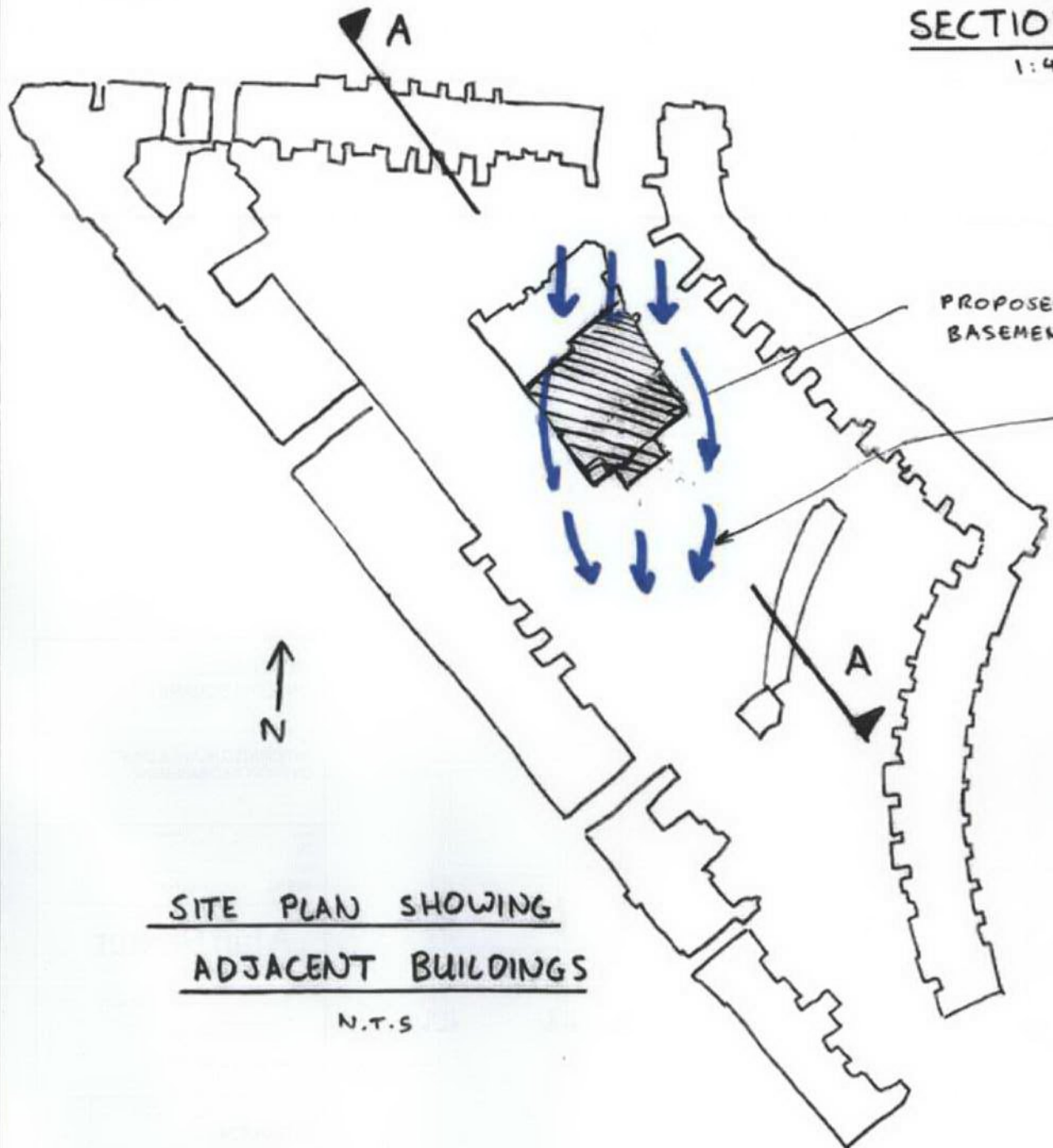
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SECTION A-A
1:400



DUE TO THE PROPOSED DEPTH, CONSTRUCTION AND LOCATION OF THE PROPOSED BASEMENT, ANY GROUNDWATER PERCHED ABOVE THE LONDON CLAY WILL BE ABLE TO FLOW BELOW AND AROUND THE NEW BASEMENT WITHOUT ANY SIGNIFICANT EFFECT ON THE ADJACENT BUILDINGS

NOTES
1) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS

A	UPDATED TO REFLECT ARCHITECTS LATEST SCHEME	TR
4.7.11	ISSUED AS PART OF REPORT	TR

job
**PARK HOUSE
ONSLow SQUARE**

title
LIKELY EFFECTS OF PROPOSED BASEMENT ON GROUND WATER MOVEMENT

drawn TR	checked OS
date JUN '11	scale (original - A3) AS SHOWN

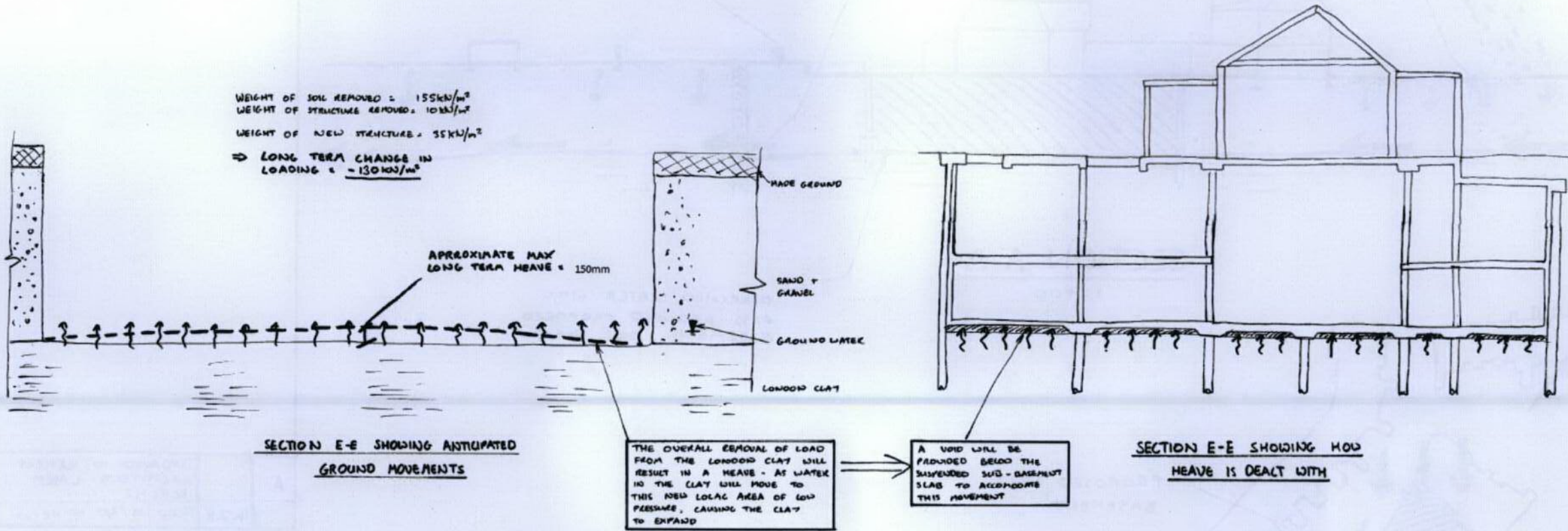
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HEAVE

WEIGHT OF SOIL REMOVED = 155KN/m^2
 WEIGHT OF STRUCTURE REMOVED = 10KN/m^2
 WEIGHT OF NEW STRUCTURE = 35KN/m^2
 ⇒ LONG TERM CHANGE IN LOADING = -130KN/m^2



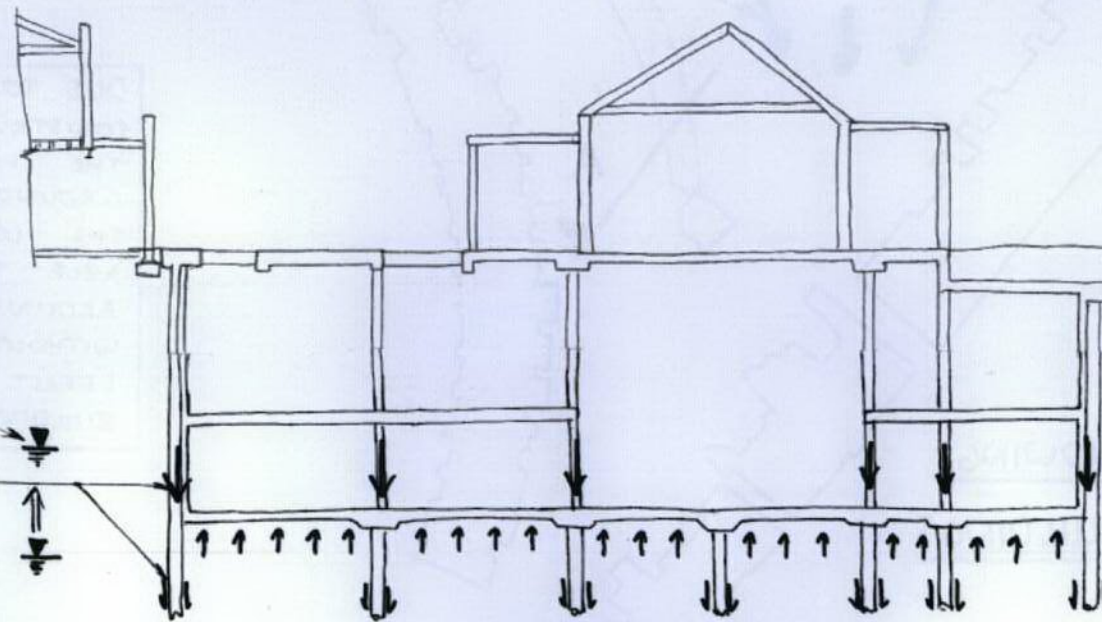
SECTION E-E SHOWING ANTICIPATED GROUND MOVEMENTS

SECTION E-E SHOWING HOW HEAVE IS DEALT WITH

UPLIFT

IF THE LEVEL OF THE GROUNDWATER SHOULD RISE, DUE TO A LOCALITY SANDY WATER MAIN, ETC, THE WATER PRESSURE WILL TRY TO LIFT THE BASEMENT UP OF THE GROUND

THIS UPLIFT WILL BE COUNTERED BY THE WEIGHT OF THE BUILDING AND THE REACTION IN THE PILES



SECTION E-E SHOWING HOW UPLIFT IS DEALT WITH

job
**PARK HOUSE,
 ONSLOW SQUARE**

the
**ANTICIPATED HEAVE & UPLIFT
 ON PROPOSED BASEMENT**

drawn
 TR

date
 AUG '12

scale (original - A1)
 1:100

Alan Baxter

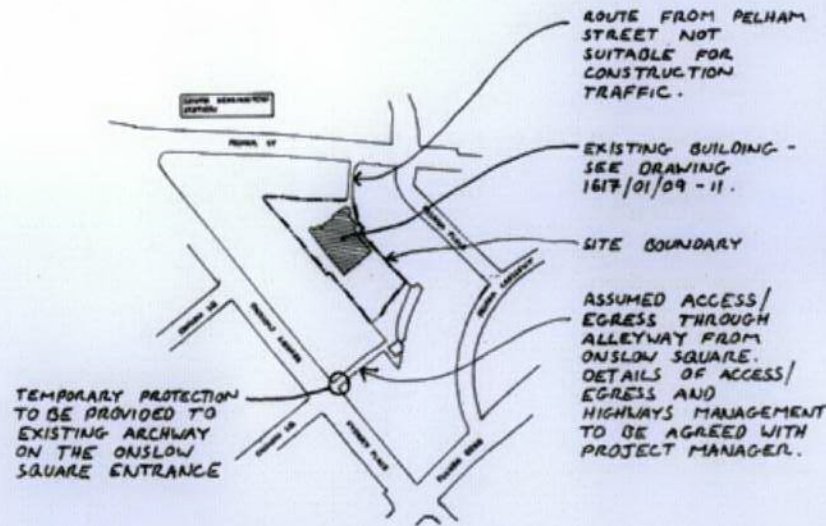
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fig no
1617/01/034

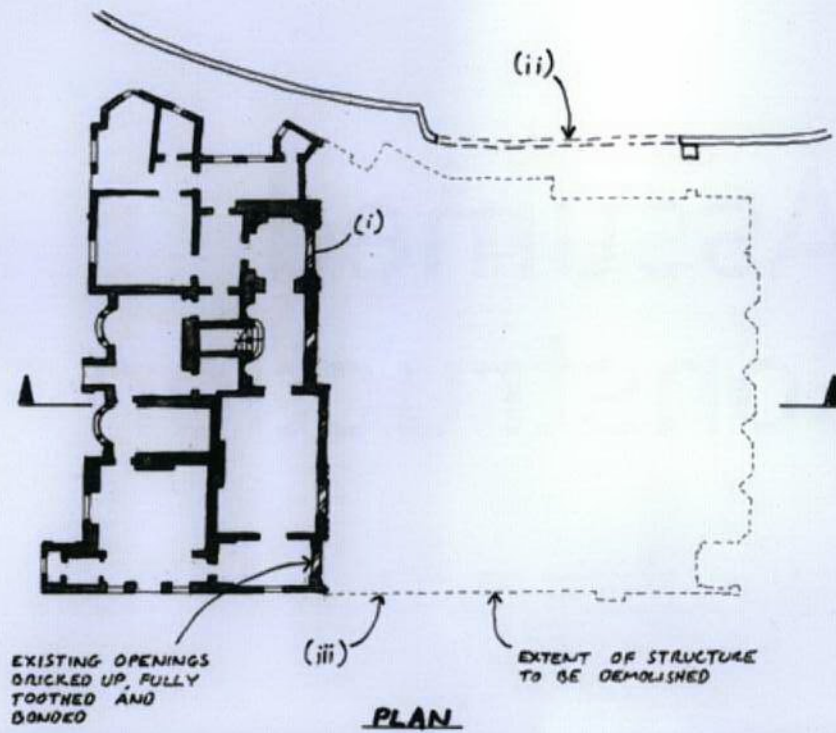
rev
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Appendix E – Assumed Sequence of Construction

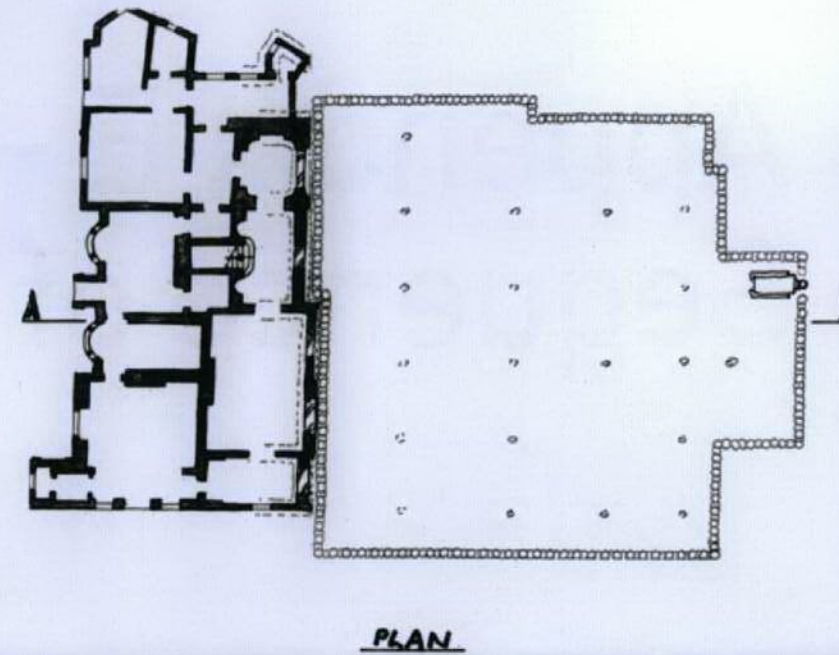
SITE ACCESS



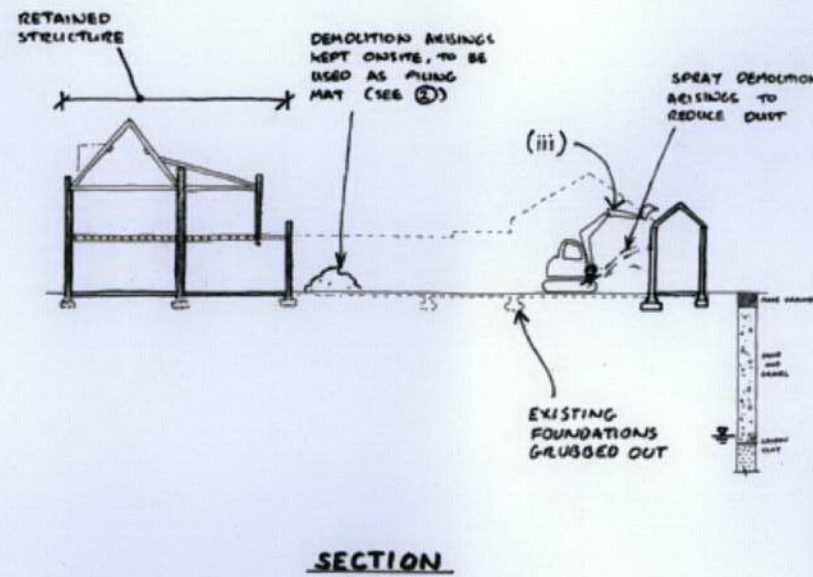
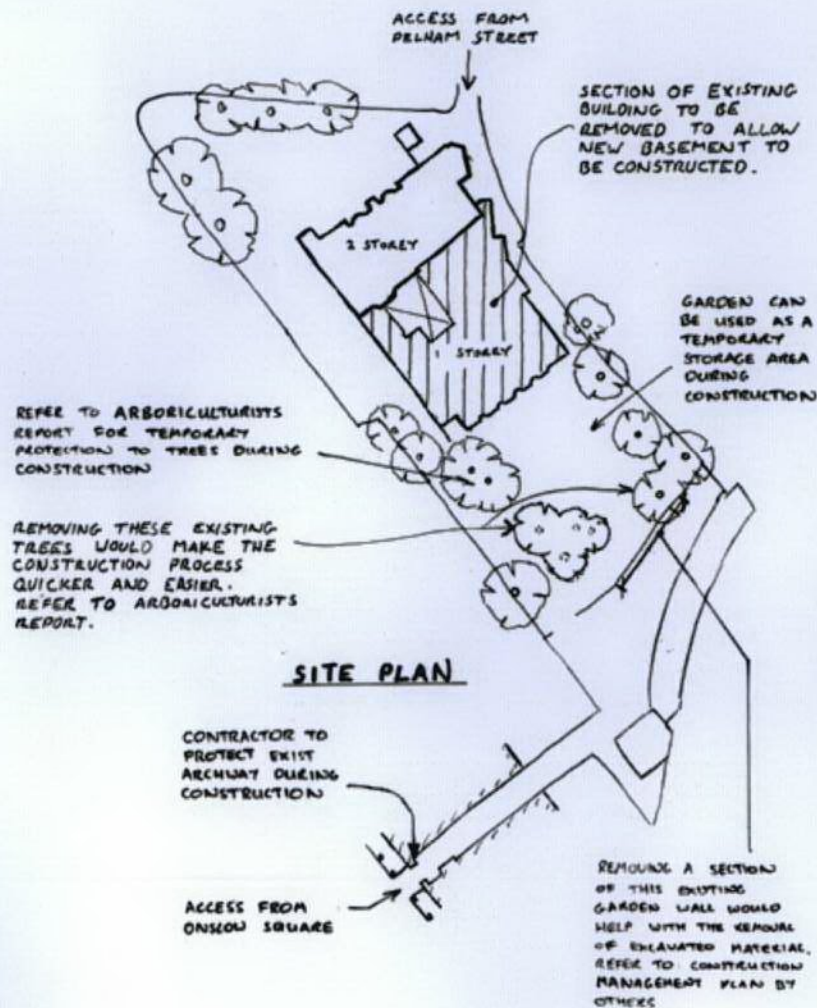
① DEMOLITION



② CONSTRUCT SECANT PILED WALL



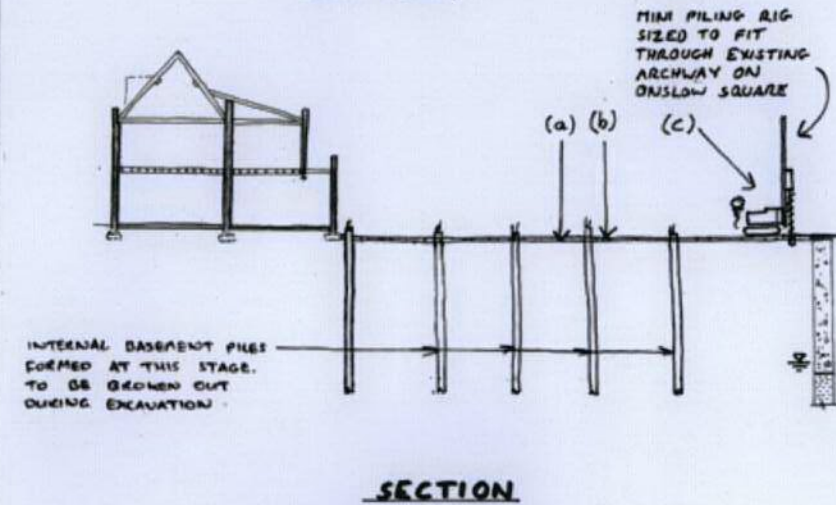
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND THE SPECIFICATION.
2. THIS DRAWING SHOWS AN ASSUMED SEQUENCE OF DEMOLITION. THE CONTRACTOR SHALL PRODUCE HIS OWN SEQUENCE FOR WHICH HE SHALL REMAIN ENTIRELY RESPONSIBLE. THE CONTRACTOR'S PROPOSALS SHALL BE SUBMITTED TO THE DESIGN TEAM PRIOR TO COMMENCING WORK ON-SITE.
3. THE CONTRACTOR SHALL ENSURE THE STABILITY OF THE STRUCTURE IS MAINTAINED AT ALL STAGES OF THE WORKS. HE SHALL DESIGN, INSTALL AND MAINTAIN ALL TEMPORARY WORKS.
4. THE CONTRACTOR SHALL CARRY OUT OPENING UP WORKS TO DETERMINE THE NATURE OF THE EXISTING STRUCTURE AS EARLY AS POSSIBLE AFTER THE SITE IS VACATED AND INCORPORATE THE RESULTS OF THESE FINDINGS IN HIS PROPOSALS FOR DEMOLITION. ABA TO BE INFORMED OF ALL Q/U WORKS, AND GIVEN THE OPPORTUNITY TO VIEW THEM ONCE CARRIED OUT.
5. EXISTING SERVICES TO BE RE-ROUTED/CAPPED OFF/ISOLATED IN THE AREA TO BE DEMOLISHED TO THE MBE ENGINEERS DETAILS.



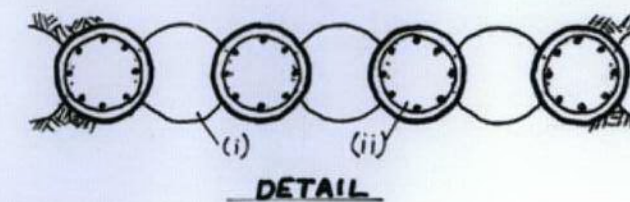
- (i) BRICK UP EXISTING OPENINGS IN STRUCTURE TO REMAIN ALONG PROPOSED LINE OF DEMOLITION.
- (ii) REMOVE SECTION OF EXISTING GARDEN WALL THAT IS LEANING AND PROVIDE TEMPORARY PROTECTIVE FENCING.
- (iii) CAREFULLY DEMOLISH EXISTING STRUCTURE AS SHOWN, KEEPING ANY MATERIALS THAT CAN BE REUSED.

FORM SECANT PILE WALL BY:

- (a) LOWER GROUND LEVEL TO PILING LEVEL.
- (b) FORM PILING MAT, (POSSIBLY USING DEMOLITION ARISING).
- (c) CARRY OUT PILING (SEE DETAIL BELOW).



- (i) CONSTRUCT UNREINFORCED 'FEMALE' PILES.
- (ii) CONSTRUCT REINFORCED 'MALE' PILES THROUGH FEMALE PILES TO FORM SECANT PILED WALL.



100
**PARK HOUSE,
ONSLOW SQUARE**

101
**ASSUMED SEQUENCE OF
CONSTRUCTION
- SHEET 1 OF 5**

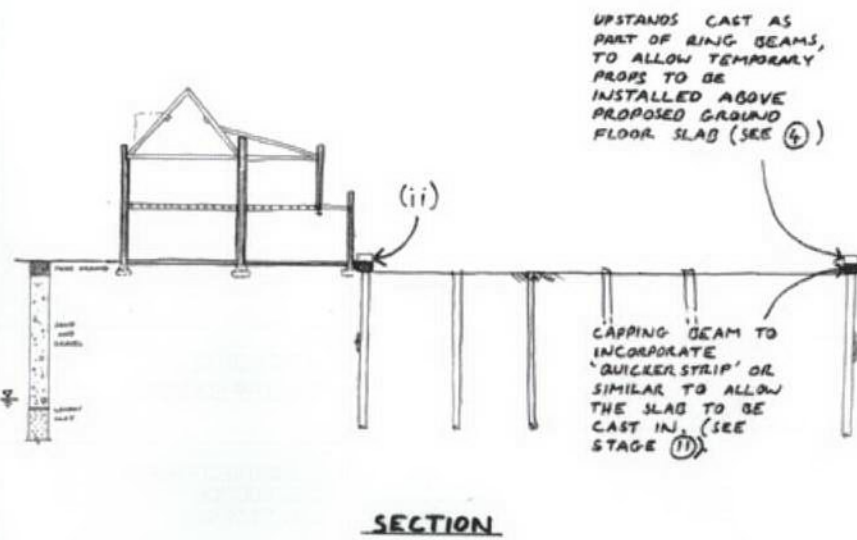
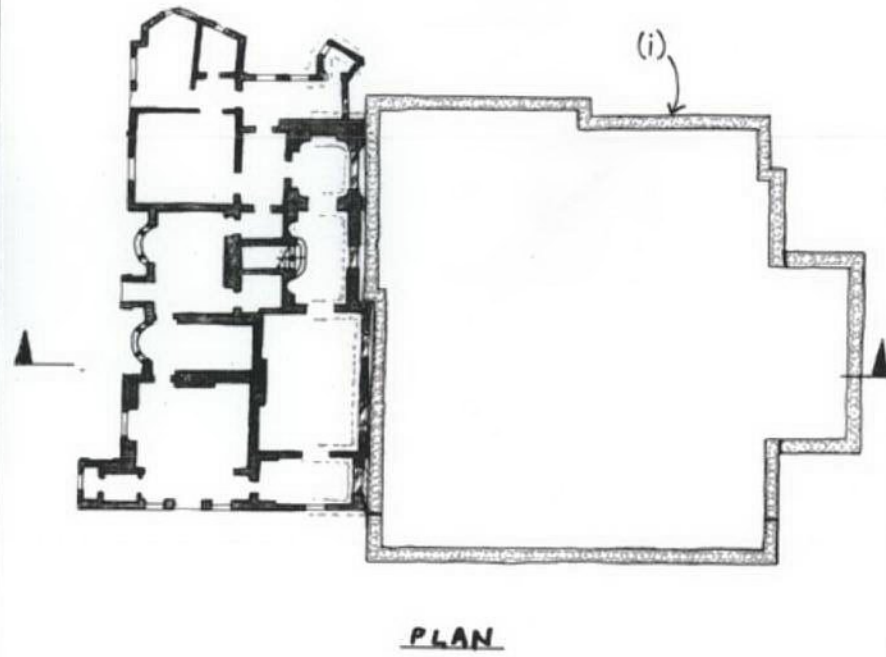
Drawn SHA	Checked TR
Date AUG '12	Scale NTS

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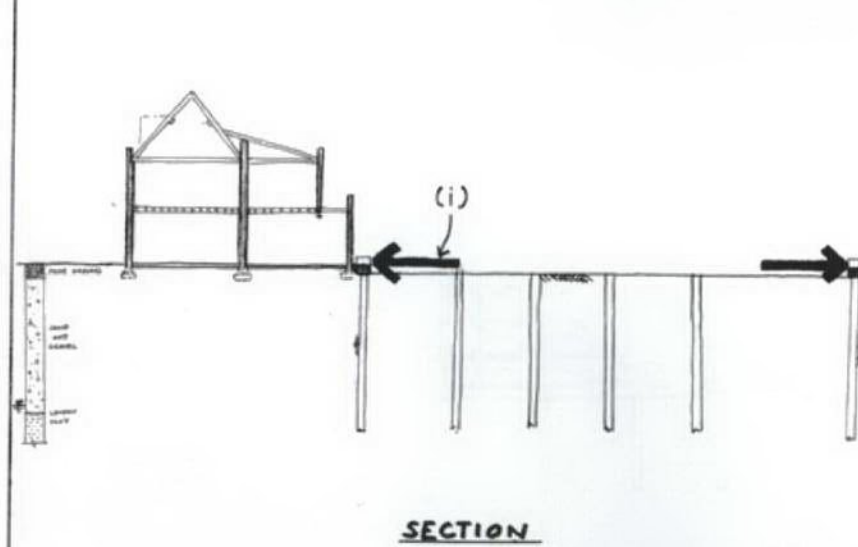
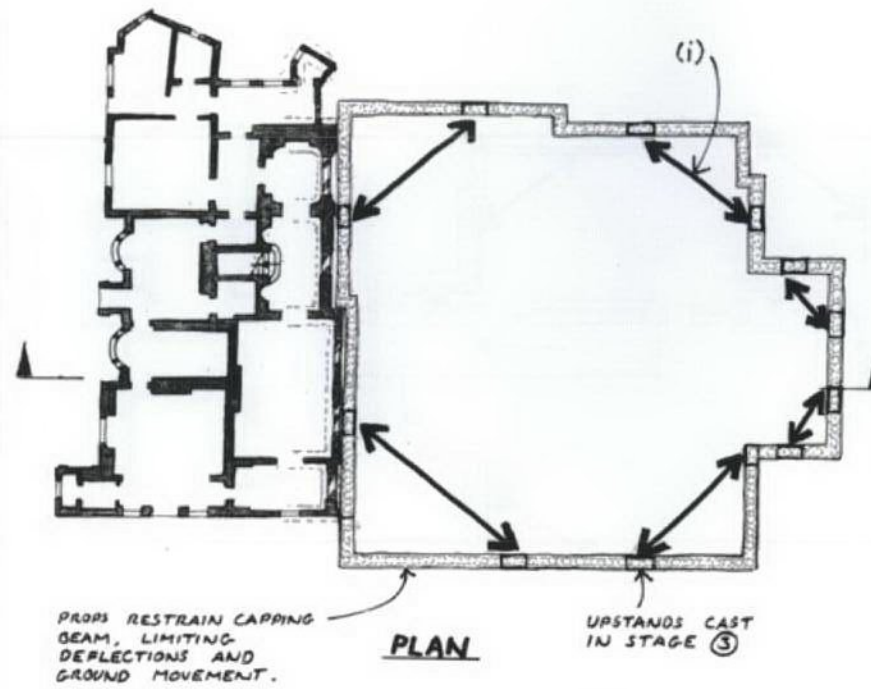
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③ CAST R.C. CAPPING BEAM



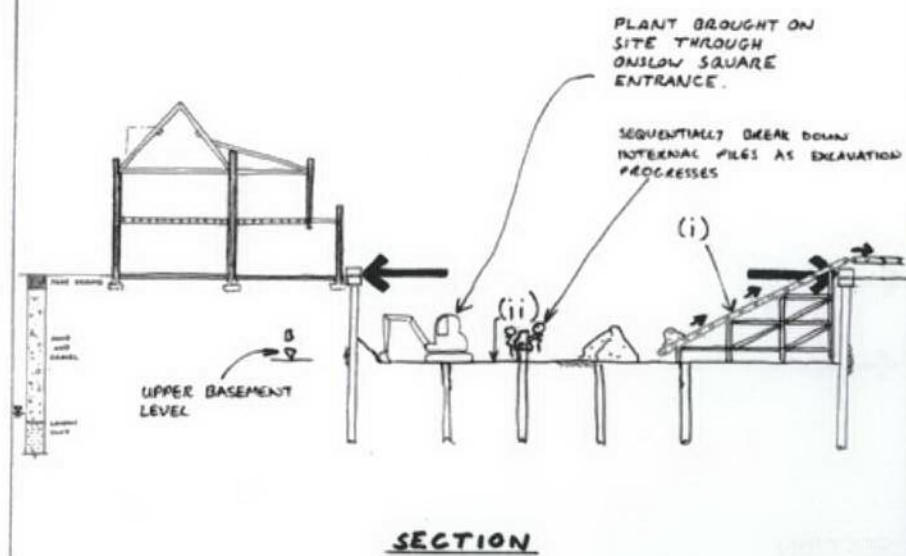
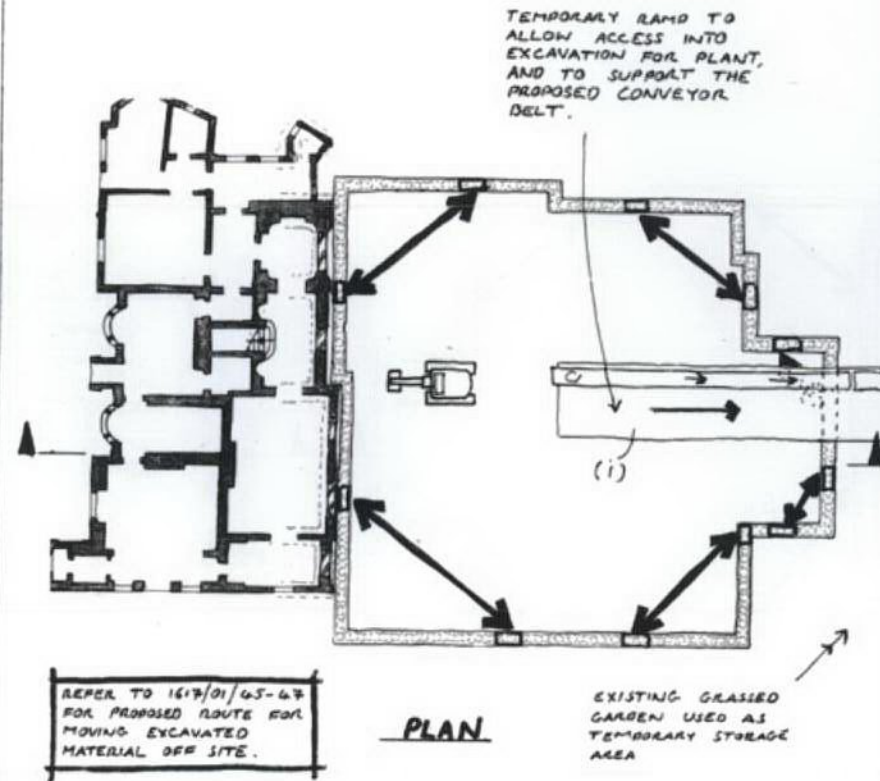
- (i) CONSTRUCT PROPOSED CAPPING BEAM.
- (ii) INCLUDE UPSTANDS ABOVE PROPOSED GROUND LEVEL TO ALLOW TEMPORARY PROPS TO BE INSTALLED.

④ INSTALL TEMPORARY PROPS



- (i) INSTALL TEMPORARY PROPS AT CAPPING BEAM UPSTAND LEVEL (ABOVE PROPOSED GROUND LEVEL) TO RESTRAIN PILED WALL.

⑤ EXCAVATE DOWN TO LOWER - GROUND FLOOR LEVEL



- (i) PROVIDE RAMP AND CONVEYOR BELT TO ALLOW ACCESS TO EXCAVATION AND REMOVE SPOIL.
- (ii) INCREMENTALLY EXCAVATE TO UPPER BASEMENT LEVEL.

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. REFER TO DRAWING 1617/01/51 FOR GENERAL NOTES.

PARK HOUSE, ONSLOW SQUARE

ASSUMED SEQUENCE OF CONSTRUCTION - SHEET 2 OF 5

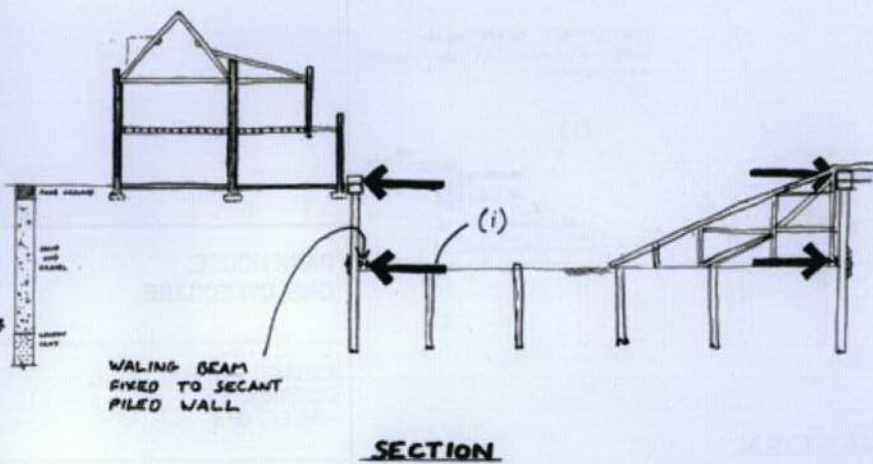
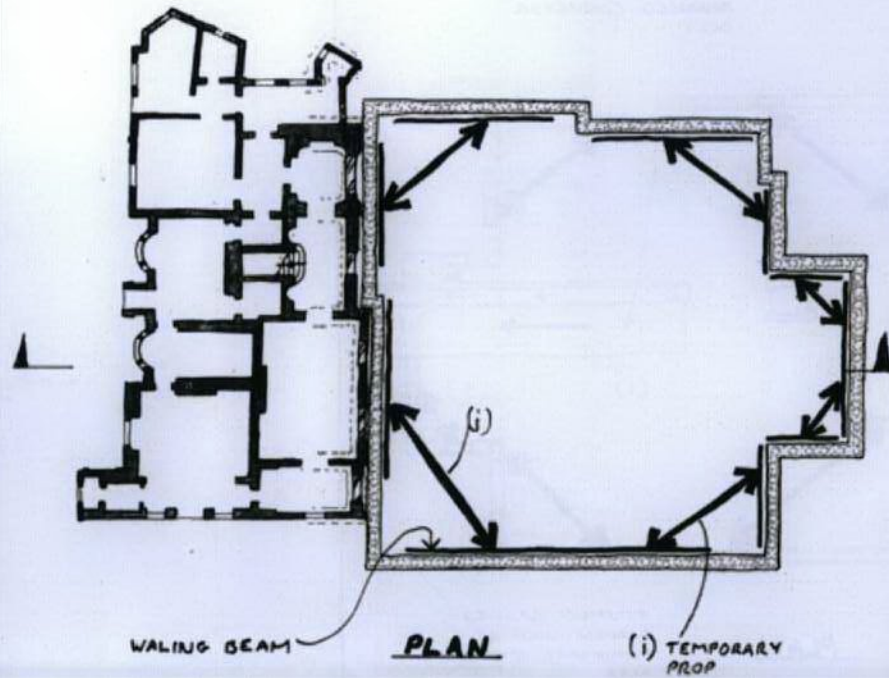
SHa TR
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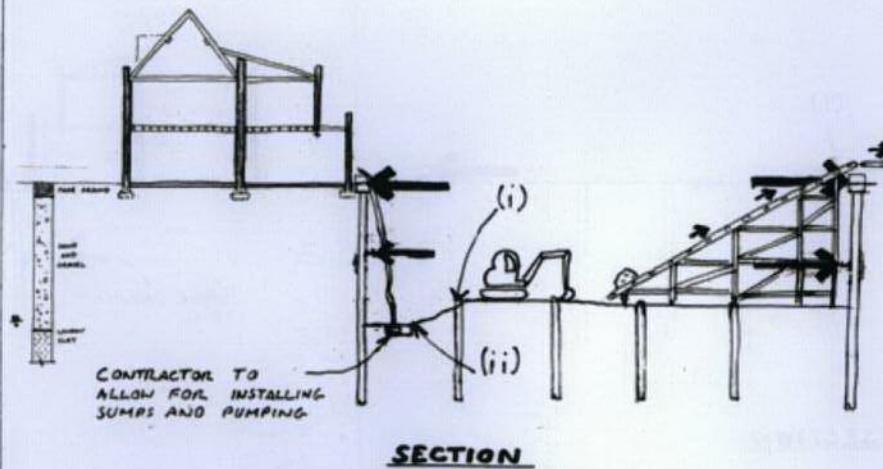
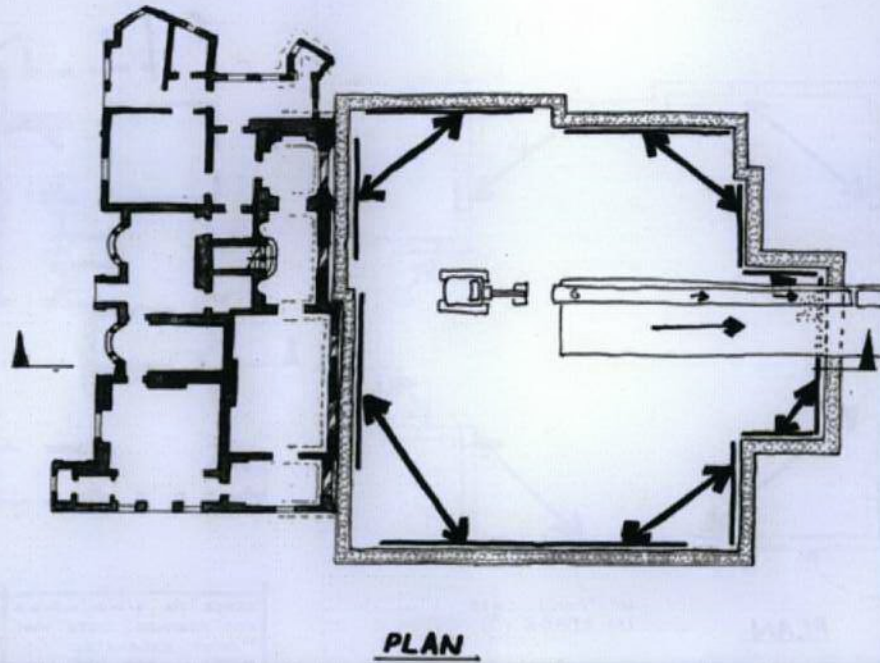
1617/01/52

6 INSTALL TEMPORARY WORKS ABOVE LOWER GROUND FLOOR LEVEL



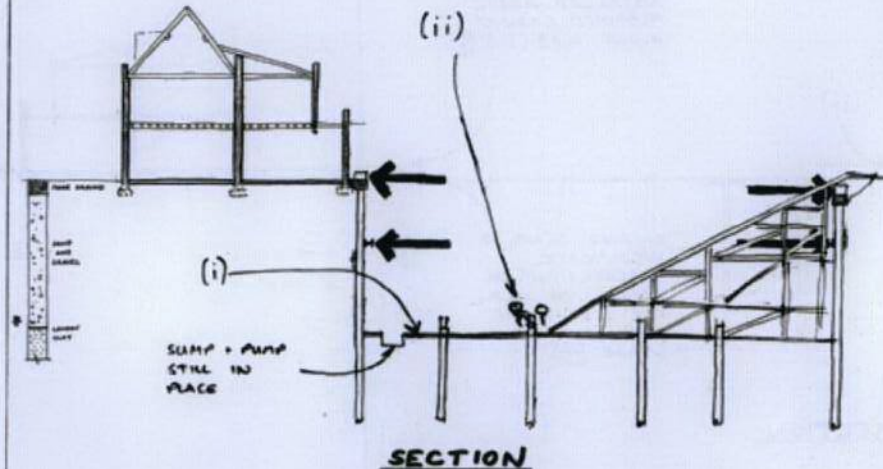
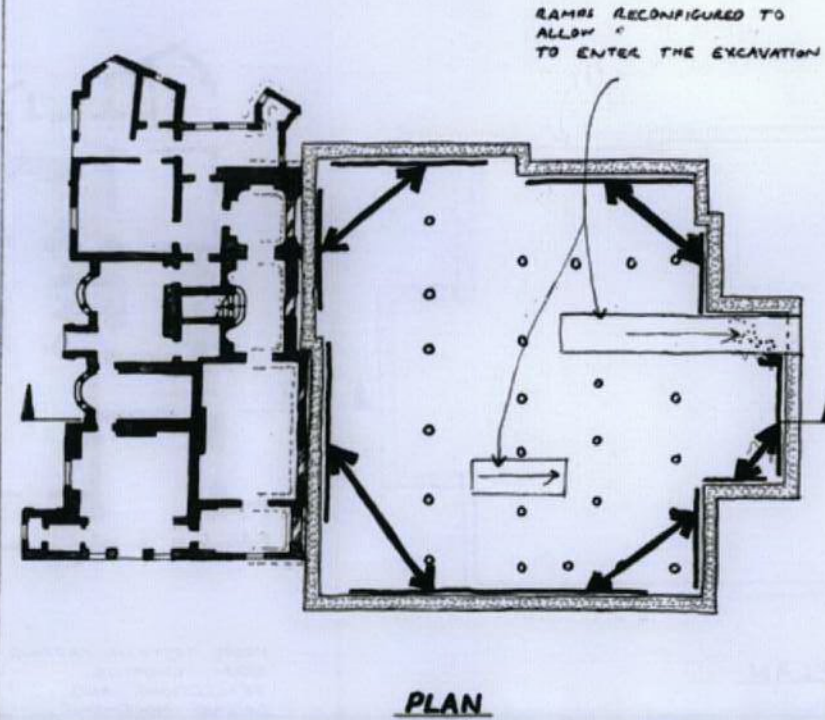
- (i) PROVIDE TEMPORARY RESTRAINT TO PILED WALL ABOVE UPPER BASEMENT SLAB LEVEL

7 EXCAVATE TO BASEMENT LEVEL



- (i) INCREMENTALLY EXCAVATE TO LOWER BASEMENT LEVEL.
- (ii) INSTALL PUMP AND SUMP TO REMOVE WATER FROM WITHIN THE EXCAVATION.

8 PILE AT BASEMENT LEVEL



- (i) CAST CONCRETE BLINDING
- (ii) CUT DOWN INTERNAL PILES USING THE ELLIOT METHOD OR SIMILAR

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. REFER TO DRAWING 1617/01/51 FOR GENERAL NOTES.

PARK HOUSE, ONSLOW SQUARE

ASSUMED SEQUENCE OF CONSTRUCTION - SHEET 3 OF 5

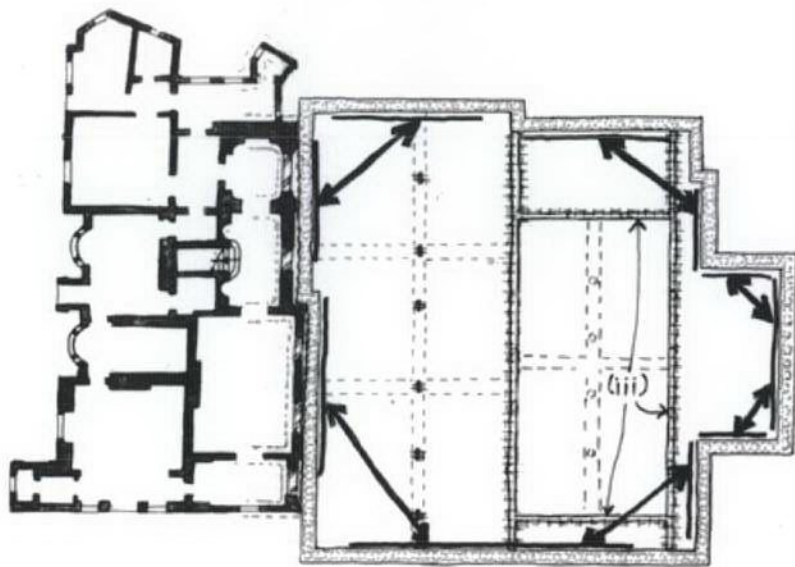
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Checked: TR
Date: AUG '12
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NTS

Alan Baxter

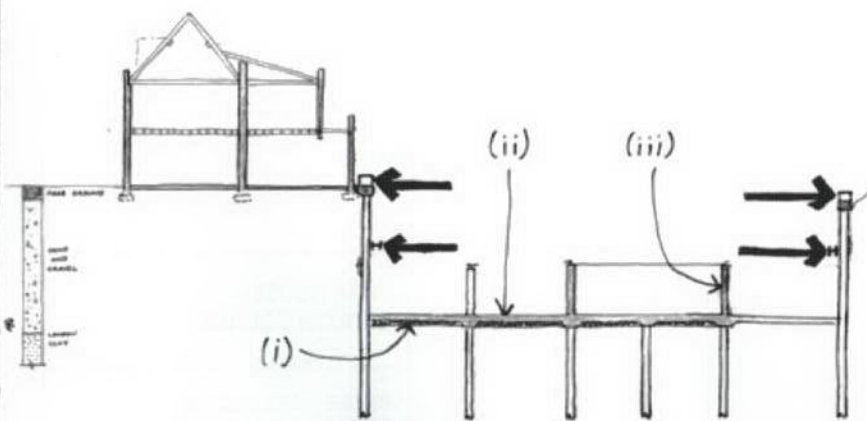
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1617/01/53

9 CAST LOWER BASEMENT SLAB AND WALLS



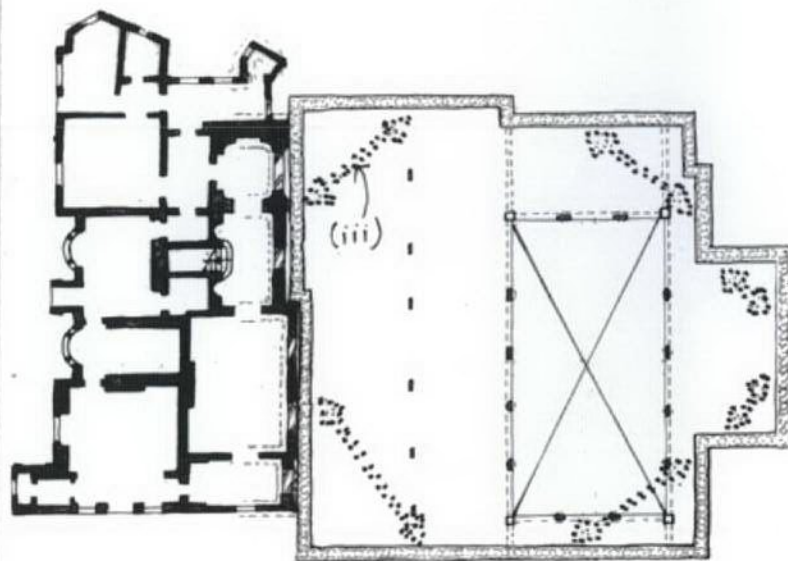
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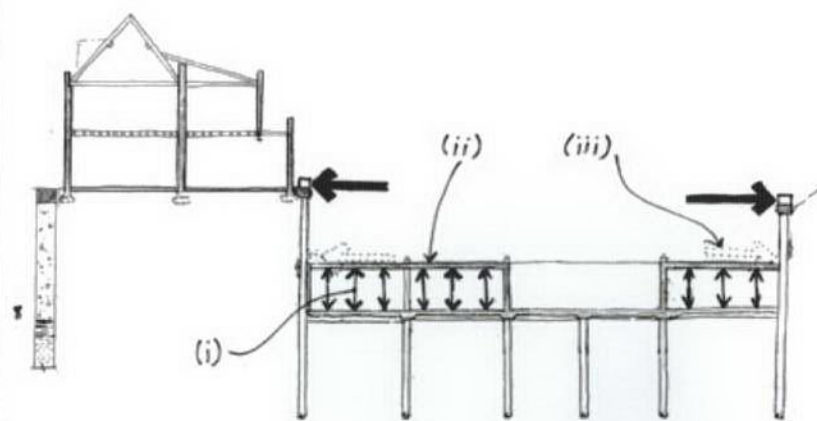
SECTION

- (i) INSTALL NEW VOID FORMER BELOW PROPOSED SLAB
- (ii) CAST NEW SLAB AND GROUND BEAMS
- (iii) CAST RETAINING WALLS

10 CAST UPPER BASEMENT SLAB



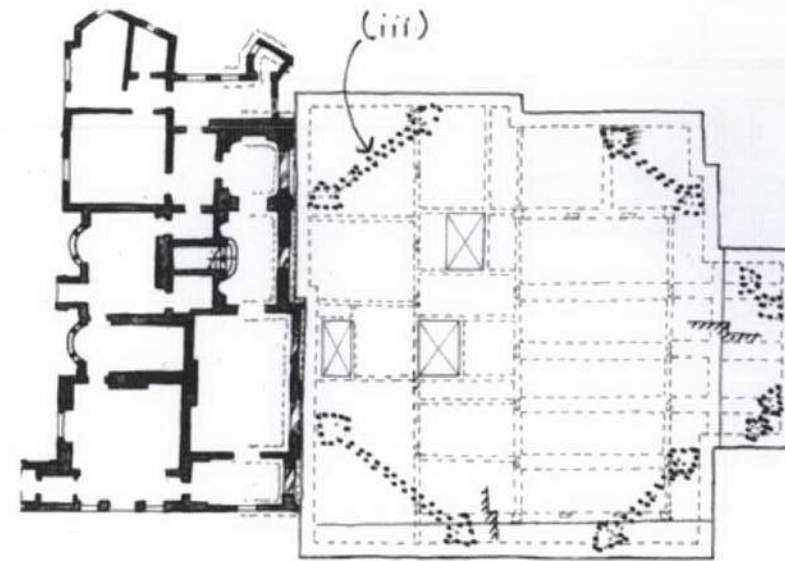
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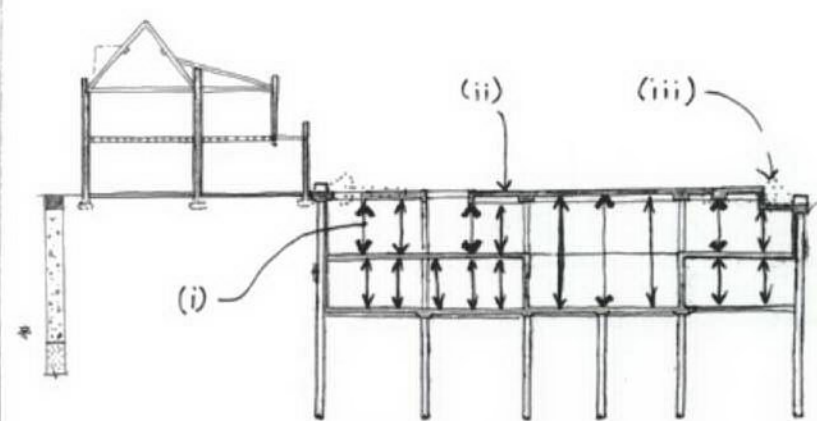
SECTION

- (i) INSTALL TEMPORARY PROPS AND FORMWORK TO UPPER BASEMENT LEVEL SLAB.
- (ii) CAST UPPER BASEMENT SLAB.
- (iii) REMOVE TEMPORARY PROPS AT UPPER BASEMENT LEVEL.

11 CAST GROUND LEVEL SLAB



PLAN



SECTION

- (i) INSTALL TEMPORARY PROPS AND FORMWORK TO GROUND LEVEL SLAB.
- (ii) CAST GROUND LEVEL SLAB.
- (iii) REMOVE TEMPORARY PROPS AT GROUND LEVEL.

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. REFER TO DRAWING 1617/01/51 FOR GENERAL NOTES.

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ONSLow SQUARE

ASSUMED SEQUENCE OF
CONSTRUCTION
- SHEET 4 OF 5

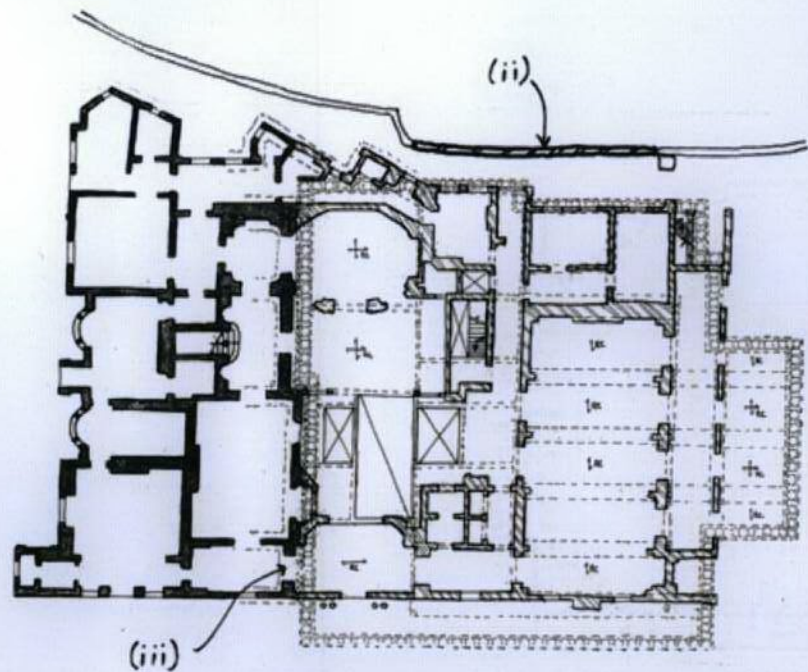
drawn SHa	checked TR
date AUG '12	scale (original - A1) NTS

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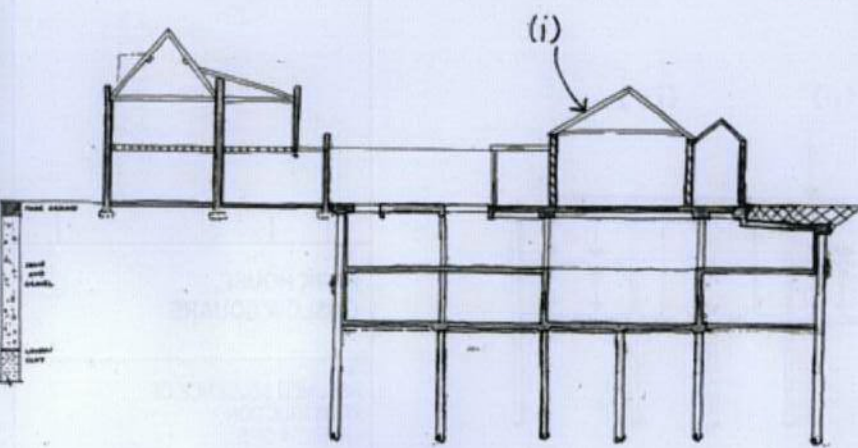
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12 REBUILD HOUSE OVER GROUND FLOOR SLAB



PLAN



SECTION

- (i) REBUILD HOUSE OVER GROUND FLOOR SLAB.
- (ii) REBUILD GARDEN WALL.
- (iii) REFORM OPENINGS IN RETAINED STRUCTURE.

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 2. REFER TO DRAWING 1617/01/51 FOR GENERAL NOTES.

PARK HOUSE, ONSLOW SQUARE

ASSUMED SEQUENCE OF CONSTRUCTION - SHEET 5 OF 5

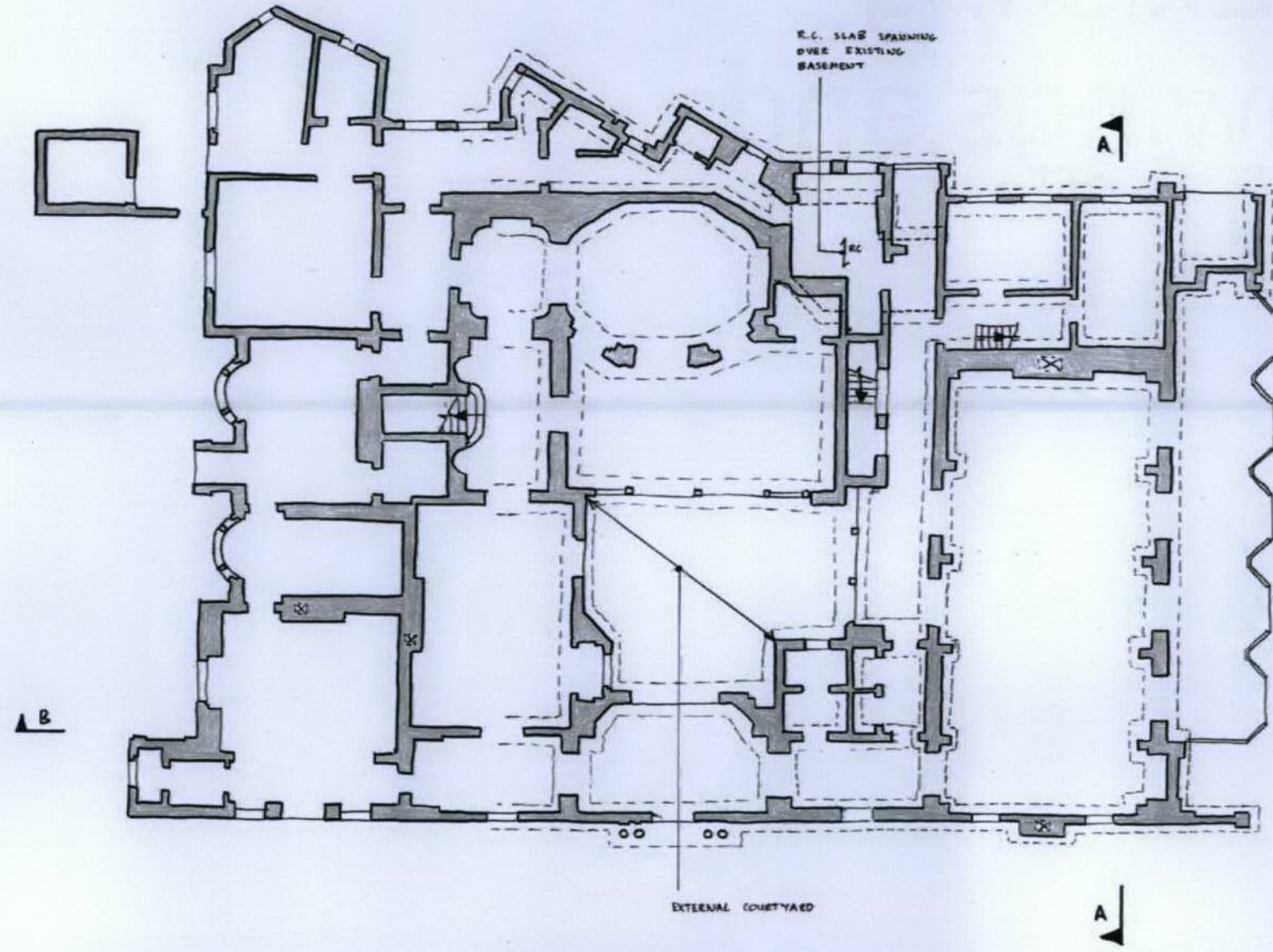
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SHa	TR
Date	Scale (original - A1)
AUG '12	NTS

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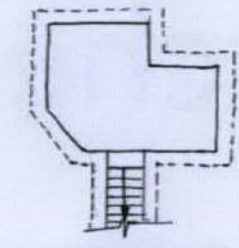
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Fig No.	REV
1617/01/55	-

Appendix C – Existing Structure Drawings and Sketches



EXISTING GROUND FLOOR PLAN

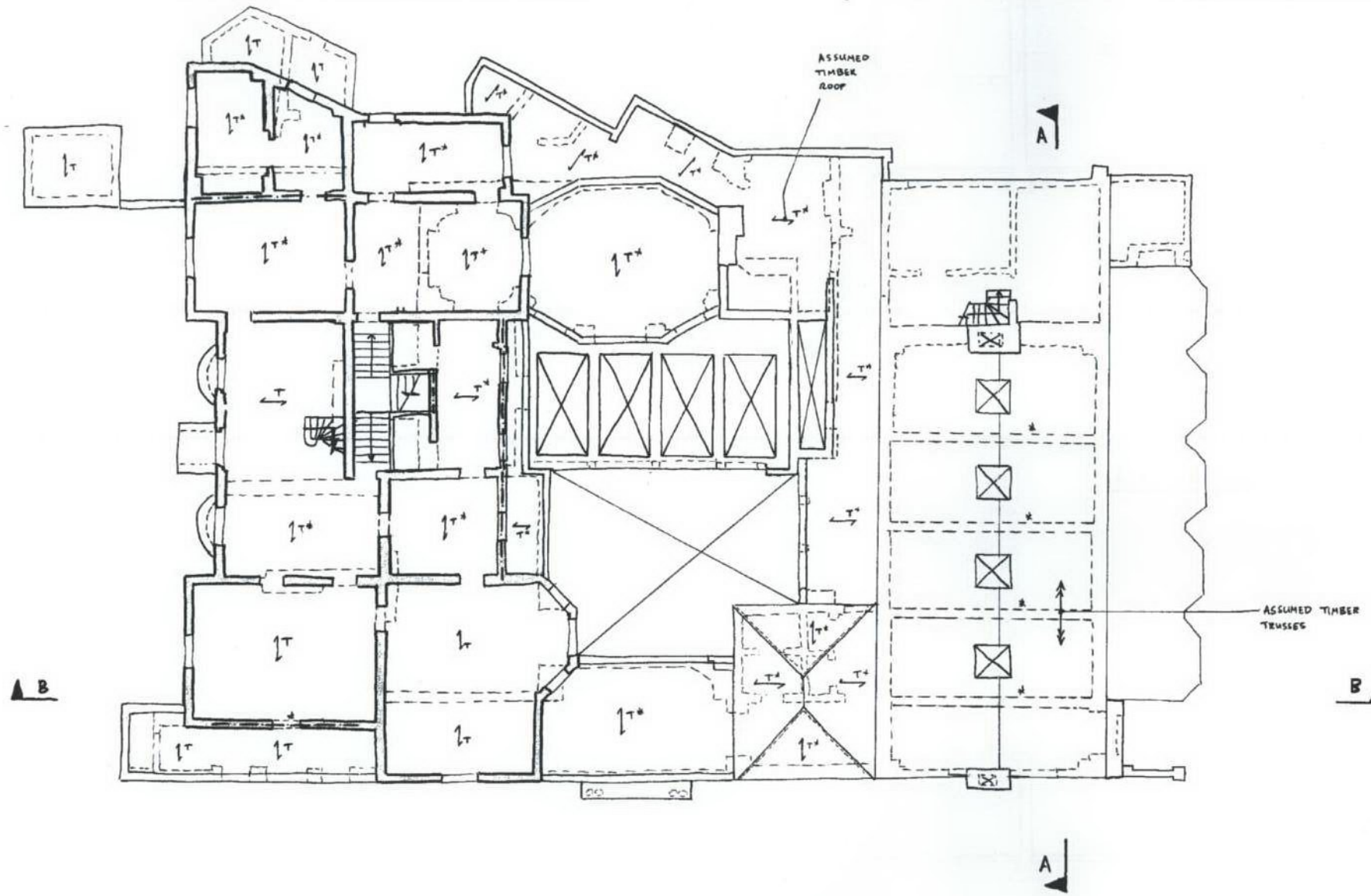


EXISTING BASEMENT PLAN

- 1) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS
- 2) THE INFORMATION SHOWN ON THIS DRAWING IS BASED ON
- GREENWICH GROUP'S MEASURED SURVEY DATED AUG' 07
 - SITE OBSERVATIONS MADE DURING 2 VISITS IN MARCH 2011
- 3) KEY
- EXISTING BRICKWORK
 - STRUCTURE BELOW
 - ASSUMED STRUCTURES
 - STEEL BEAM
 - SPAN OF REINFORCED CONCRETE SLAB
 - SPAN OF TIMBER FLOOR

<p>NO. 2-11 ONSLOW AL. PARK OR EXIST. TR.</p>	
<p>PARK HOUSE ONSLOW SQUARE</p>	
<p>THE EXISTING BASEMENT & GROUND FLOOR PLANS</p>	
<p>drawn TR</p>	<p>checked P-3</p>
<p>date MAY '11</p>	<p>scale (original - A1) 1:100</p>
<p>Alan Baxter</p>	
<p>75 Cowcross Street London EC1M 6EL tel 020 7250 1555 email abax@alanbaxter.co.uk www.alanbaxter.co.uk</p>	
<p>fig. no. 1617/01/009</p>	<p>sheet -</p>

- Notes
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 2. REFER TO DRAWING 1617/01/009 FOR GENERAL NOTES.



EXISTING FIRST FLOOR PLAN

22-6-11 DRAWN AS PART OF REPORT TK

**PARK HOUSE
ONSLow SQUARE**

FIRST FLOOR PLAN

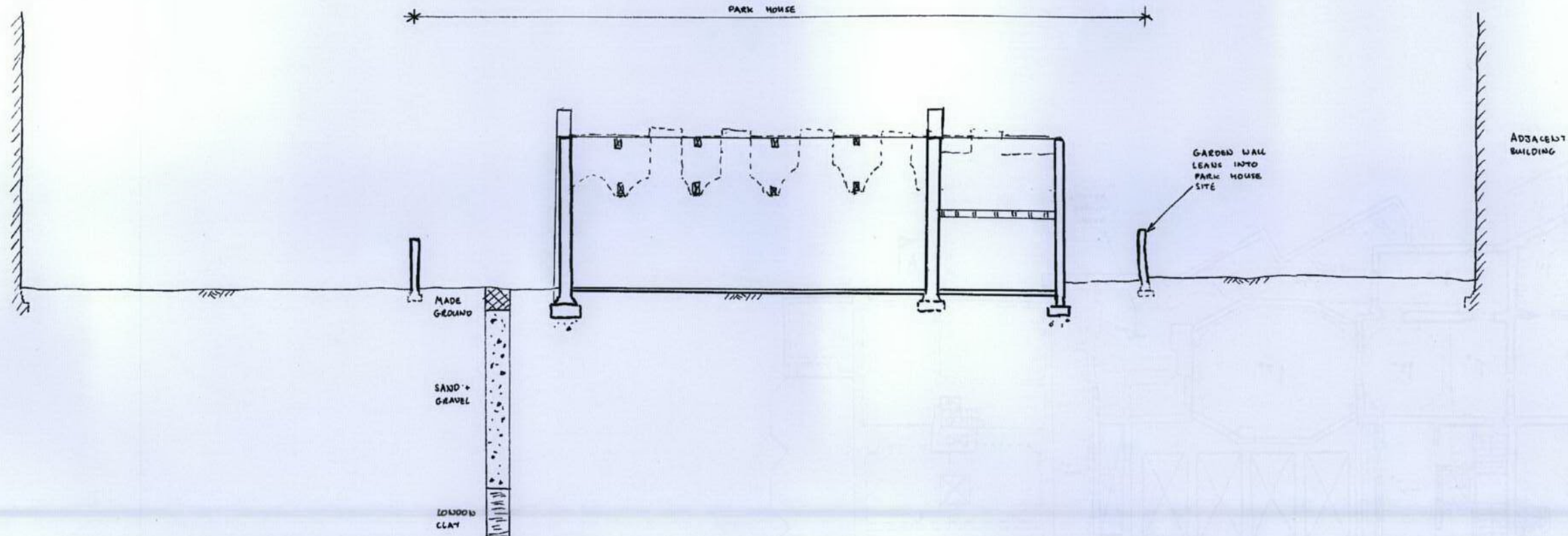
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Date MAY '11	Scale (original: A1) 1:100

Alan Baxter

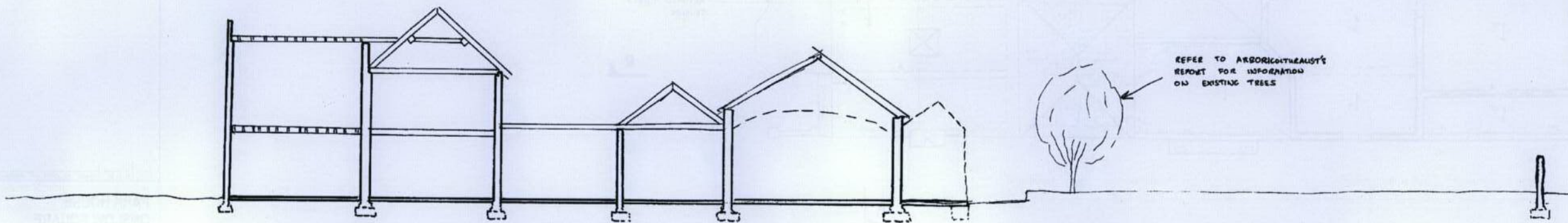
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2. REFER TO DRAWING 1617/01/009 FOR GENERAL NOTES.



SECTION A-A



SECTION B-B

22.6.11 ISSUED AS PART OF REPORT TR

**PARK HOUSE
ONSLow SQUARE**

**EXISTING SECTIONS A-A
AND B-B**

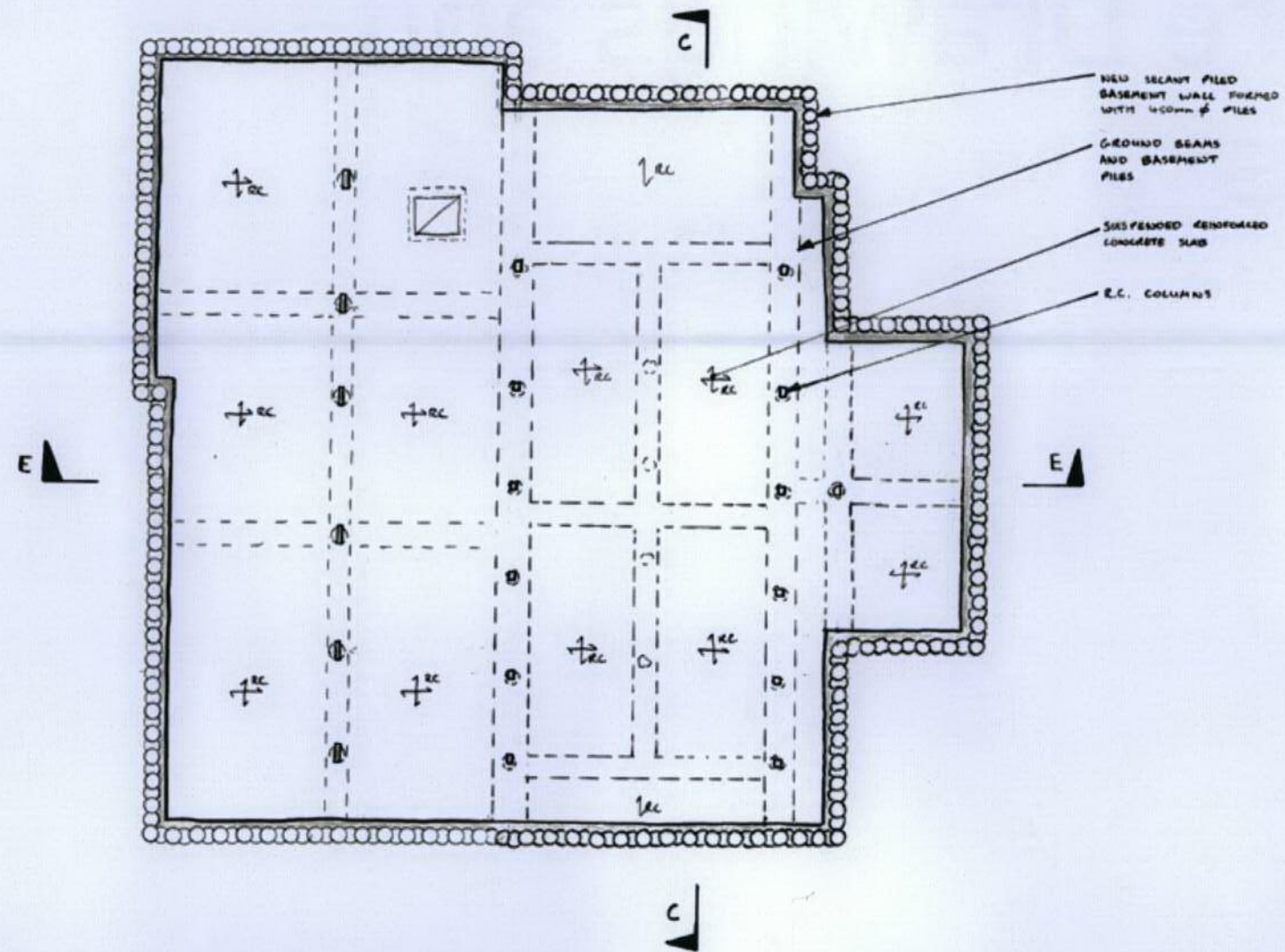
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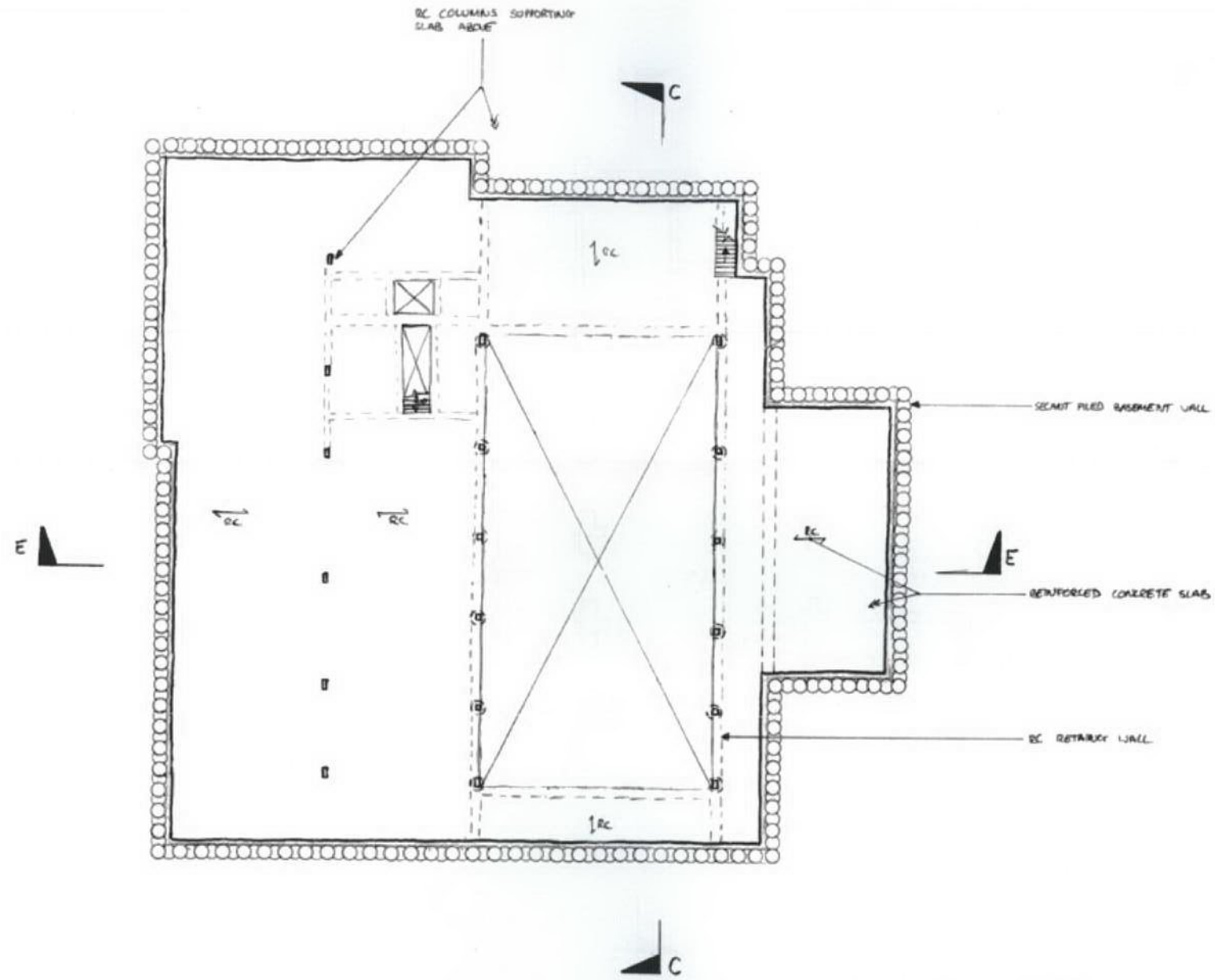
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Appendix D – Proposed Structure Drawings and Sections



PARK HOUSE, ONSLOW SQUARE	
PROPOSED SUB-BASEMENT PLAN	
drawn WG	checked TR
date AUG '12	scale original - A1 1:100
<h2>Alan Baxter</h2> <p>75 Cowcross Street London EC1M 6EL tel 020 7250 1555 email abe@alanbaxter.co.uk www.alanbaxter.co.uk</p>	
drawing no. 1617/01/014	sheet no. .



PARK HOUSE,
ONSLow SQUARE

PROPOSED BASEMENT PLAN

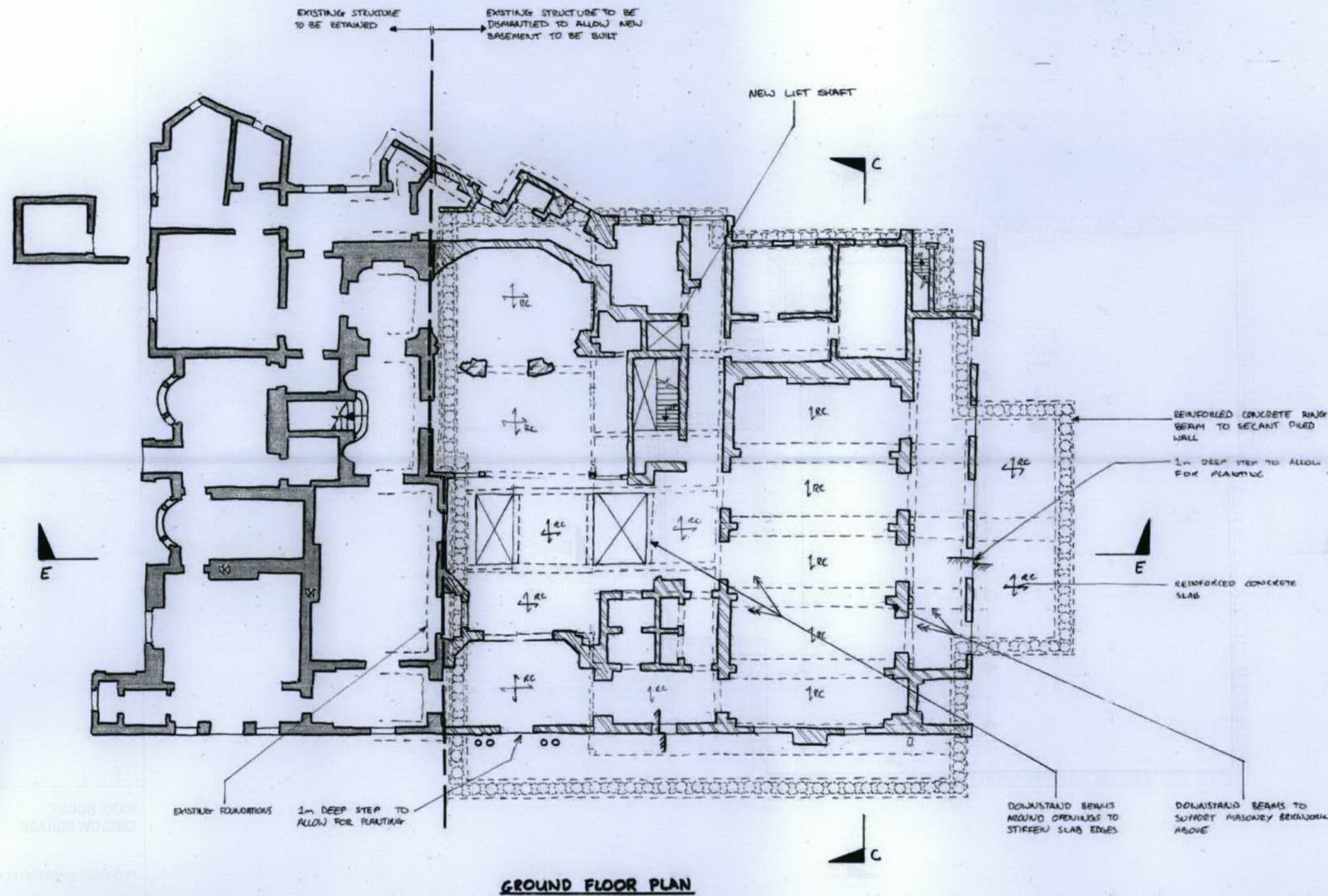
WG TR
AUG '12 1:100

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2. REFER TO DRAWING 1617/01/009 FOR GENERAL NOTES.



GROUND FLOOR PLAN

A	COMPLETELY REVISED TO REFLECT ARCHITECT'S LATEST SCHEME	WJr
1617-01	ISSUED AS PART OF REPORT	TR

**PARK HOUSE
ONSLow SQUARE**

PROPOSED GROUND FLOOR
PLAN

Drawn WG	Checked TR
Date FEB '12	Scale (original - A1) 1:100

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email aba@alanbaxter.co.uk
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