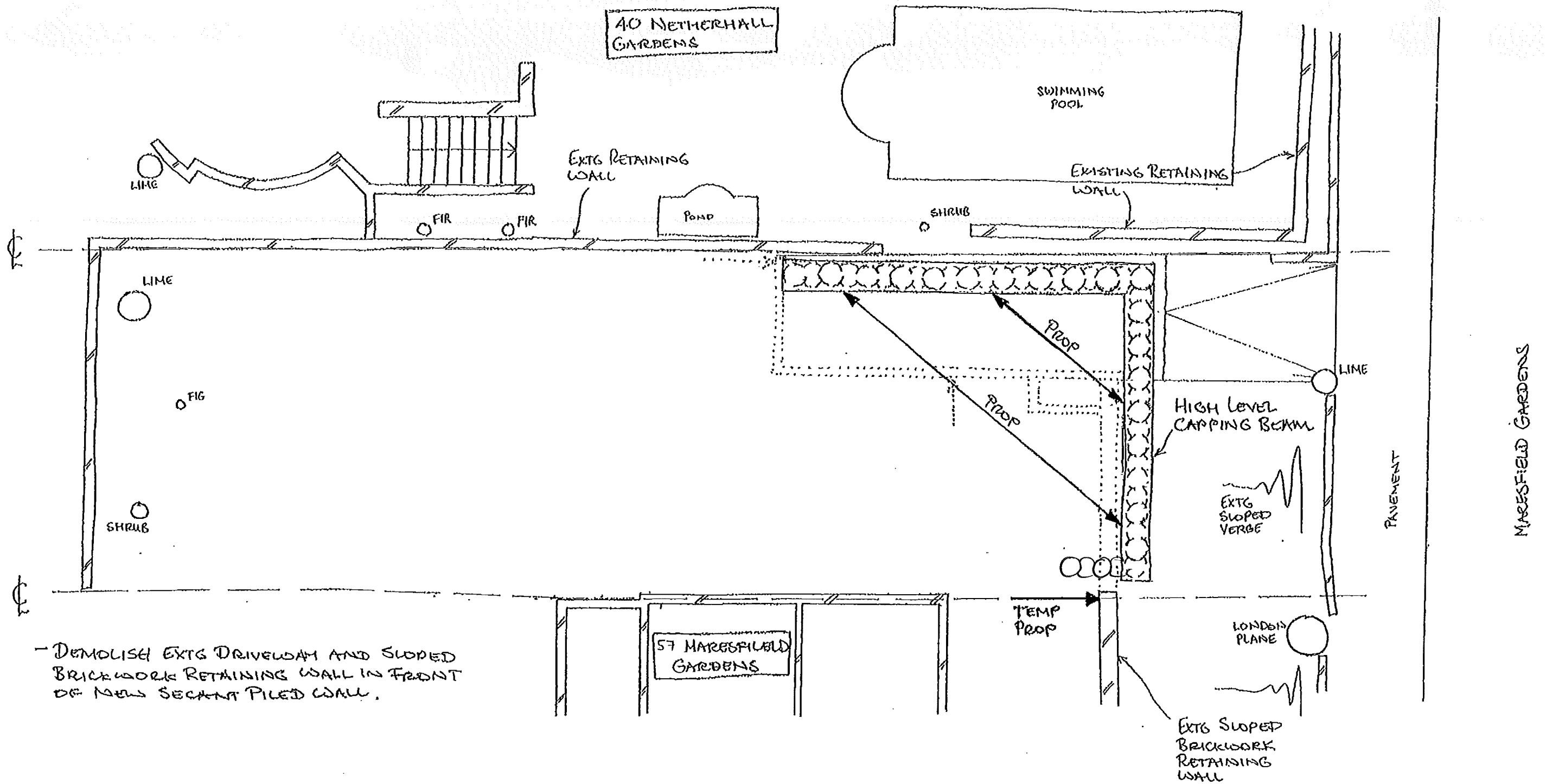




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Do not scale from this drawing.

rev	date	by	chk	description

drawing title

PLAN SEQUENCING
5 OF 16

scale(s)

date

drawn

~ 1:100 FEB'15 AAT

drawing status

PRELIMINARY

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tel: (020) 8544 0033 fax: (020) 8544 0066 info@elliottwood.co.uk

job title

59 MARESFIELD GARDENS, LONDON

job no

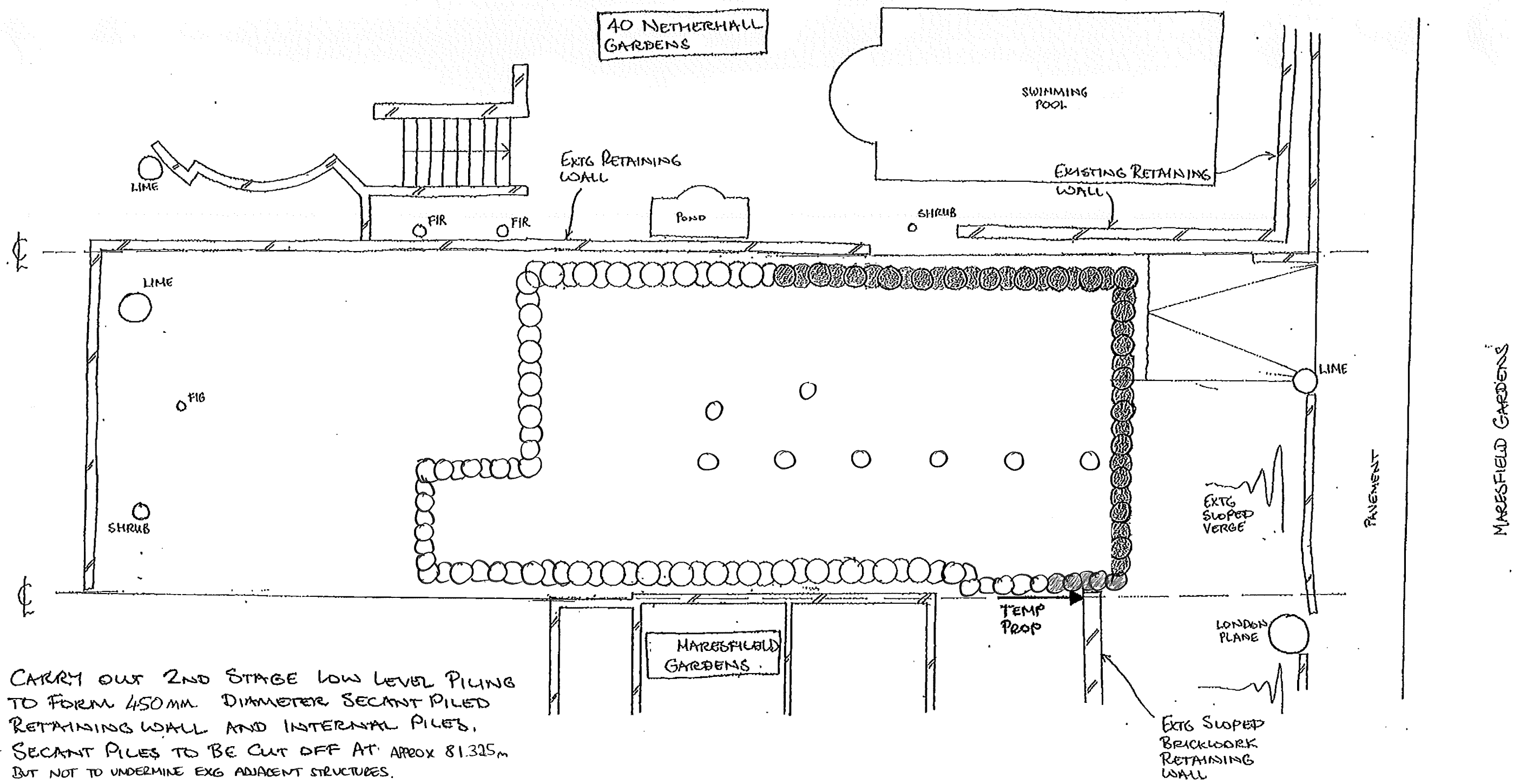
2150020

drawing no

SK/104

revision

P1



- CARRY OUT 2ND STAGE LOW LEVEL PILING TO FORM 450MM DIAMETER SECANT PILED RETAINING WALL AND INTERNAL PILES.
- SECANT PILES TO BE CUT OFF AT APPROX 81.325m BUT NOT TO UNDERMINE EXG ADJACENT STRUCTURES.
- INTERNAL PILES TO BE CUT OFF AT FORMATION LEVEL AND FILLED WITH GROUT BETWEEN CUT OFF AND GROUND LEVEL.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title

PLAN SEQUENCING
6 OF 16

scale(s)

date

drawn

~1:100

FEB'15

AAT

drawing status

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job title

59 MARESFIELD
GARDENS, LONDON

job no

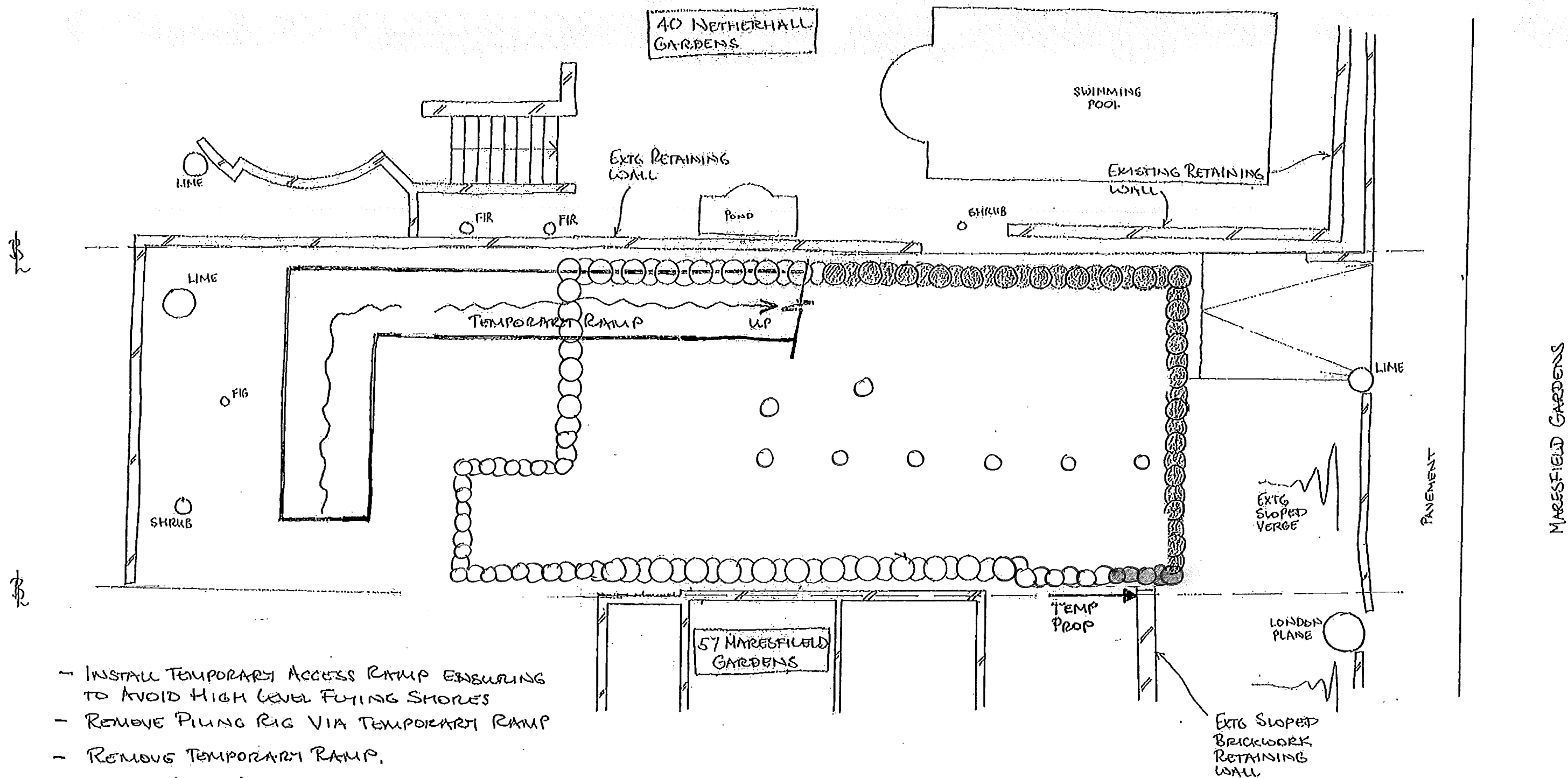
2150020

drawing no

SK/105

revision

P1



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Do not scale from this drawing.

rev	date	by	chk	description

drawing title

PLAN SEQUENCING
7 OF 10

scale(s) date drawn
~ 1:100 FEB'15 AAT

drawing status

PRELIMINARY

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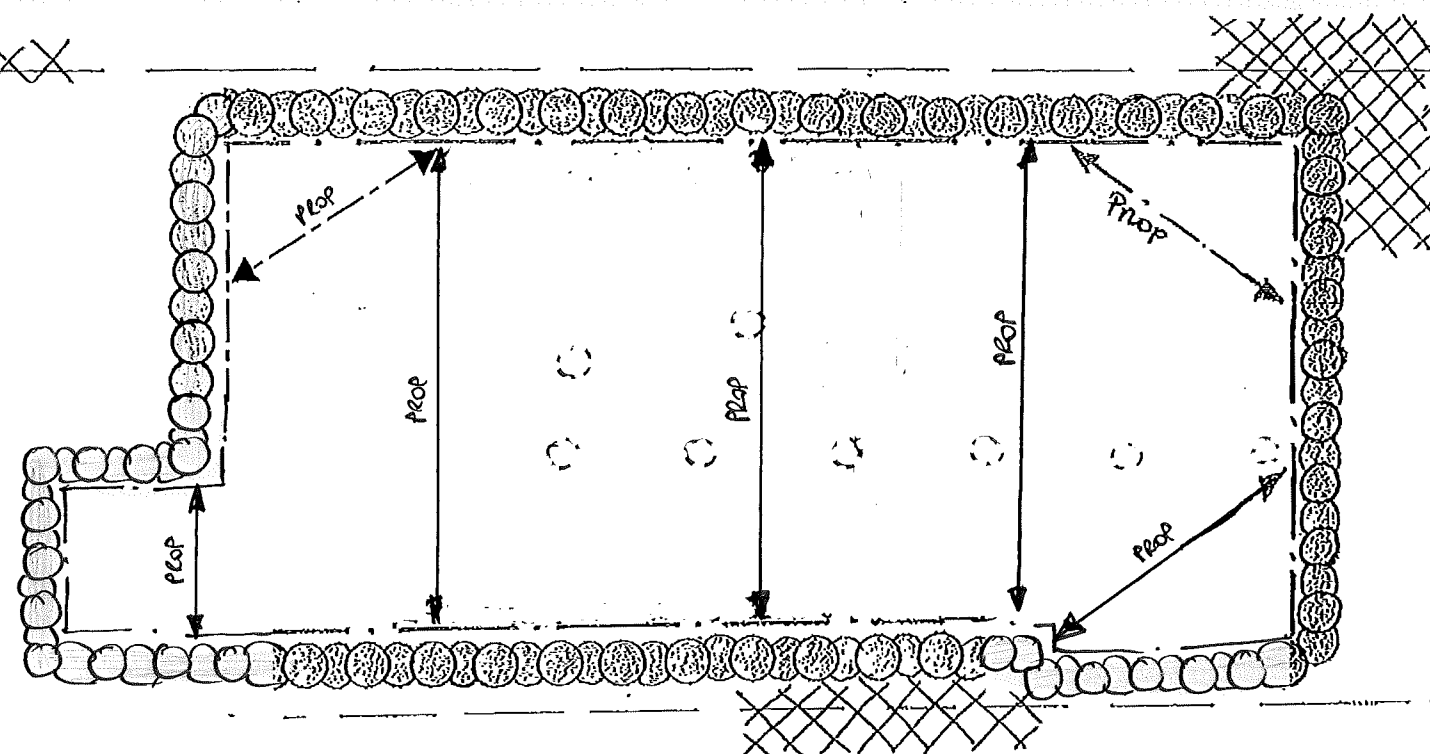
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job title

59 MARESFIELD GARDENS, LONDON

job no	drawing no	revision
2150020	SE/106	P1

40 NETHERHALL
GARDENS



57 MARESFIELD
GARDENS

- EXCAVATE GROUND WITHIN SECANT PILED WALL TO REDUCED DIG LEVEL AT +77.50m
- INSTALL PERIMETER WALING BEAMS AND PROPS AS TEMPORARY WORKS - DESIGN BY OTHERS - AT + 78.00m
- CLEAR DOWN INTERNAL PILES AS REDUCE DIG PROGRESSES

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

Do not scale from this drawing.

rev	date	by	chk	description

drawing title

PLAN SEQUENCING

9 OF 16

scale(s)

date

drawn

~ 1:100

FEB'15

AAT

drawing status

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job title

59 MARESFIELD
GARDENS, LONDON

job no

2150020

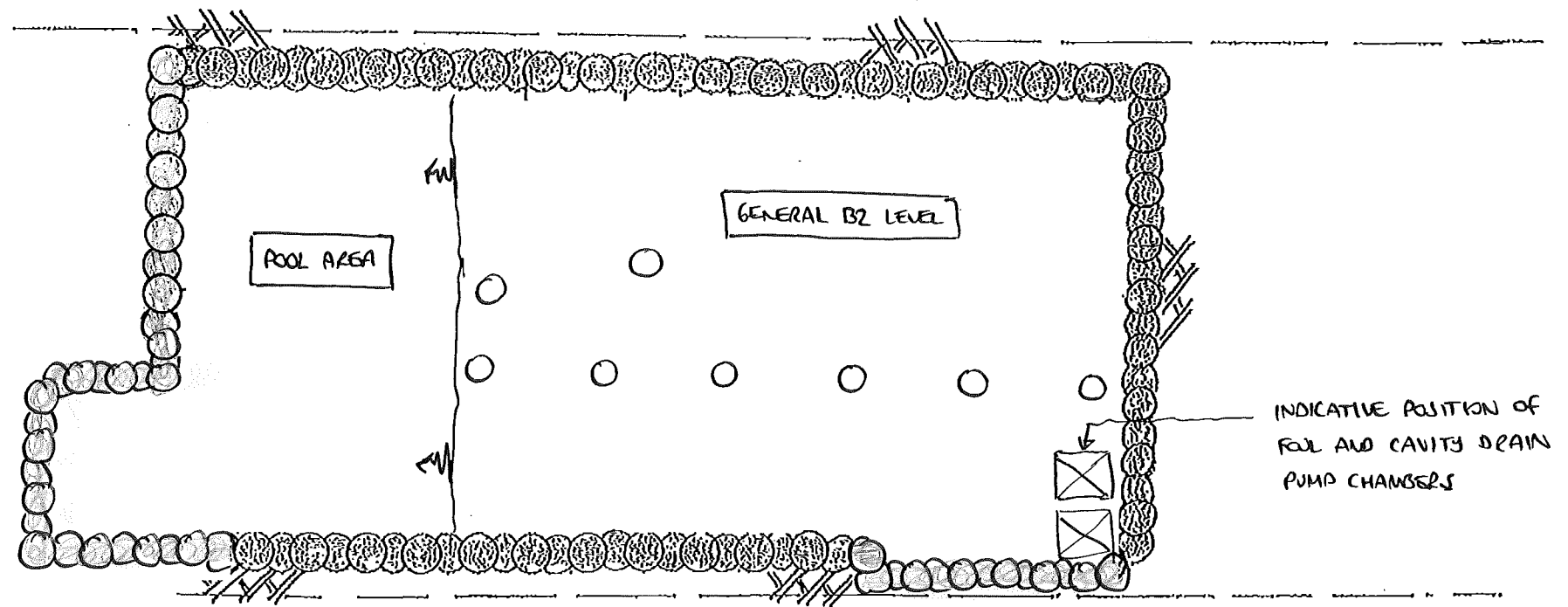
drawing no

SK/108

revision

P1

40 NETHERHALL
GARDENS



57 MARESFIELD
GARDENS

- EXCAVATE TO FORMATION LEVEL;
- GENERALLY + 75.850 (TBC)
 - POOL AREA + 74.450 (TBC)
 - DRAINAGE CHAMBERS + 74.150 (TBC)
- (EXPOSING TOP OF PILES)

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title

PLAN SEQUENCING
10 OF 16

scale(s)

date

drawn

~ 1:100

FEB'15

AAT

drawing status

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job title

59 MARESFIELD
GARDENS, LONDON

job no

2150020

drawing no

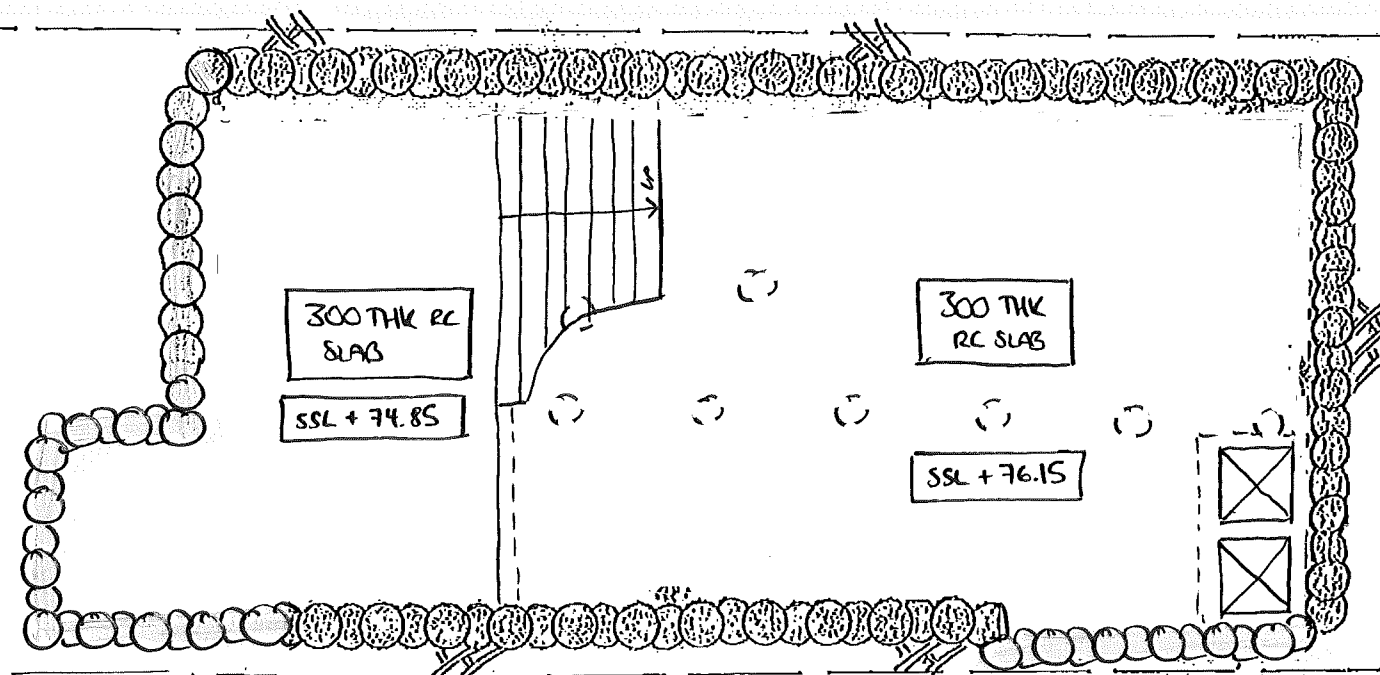
SK/109

revision

P1

§

§



— CAST RC BASE SLAB
(INCLUDING CRANK BETWEEN LEVELS)
AND RC WALLS TO SUNKEN DRAINAGE CHAMBERS

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

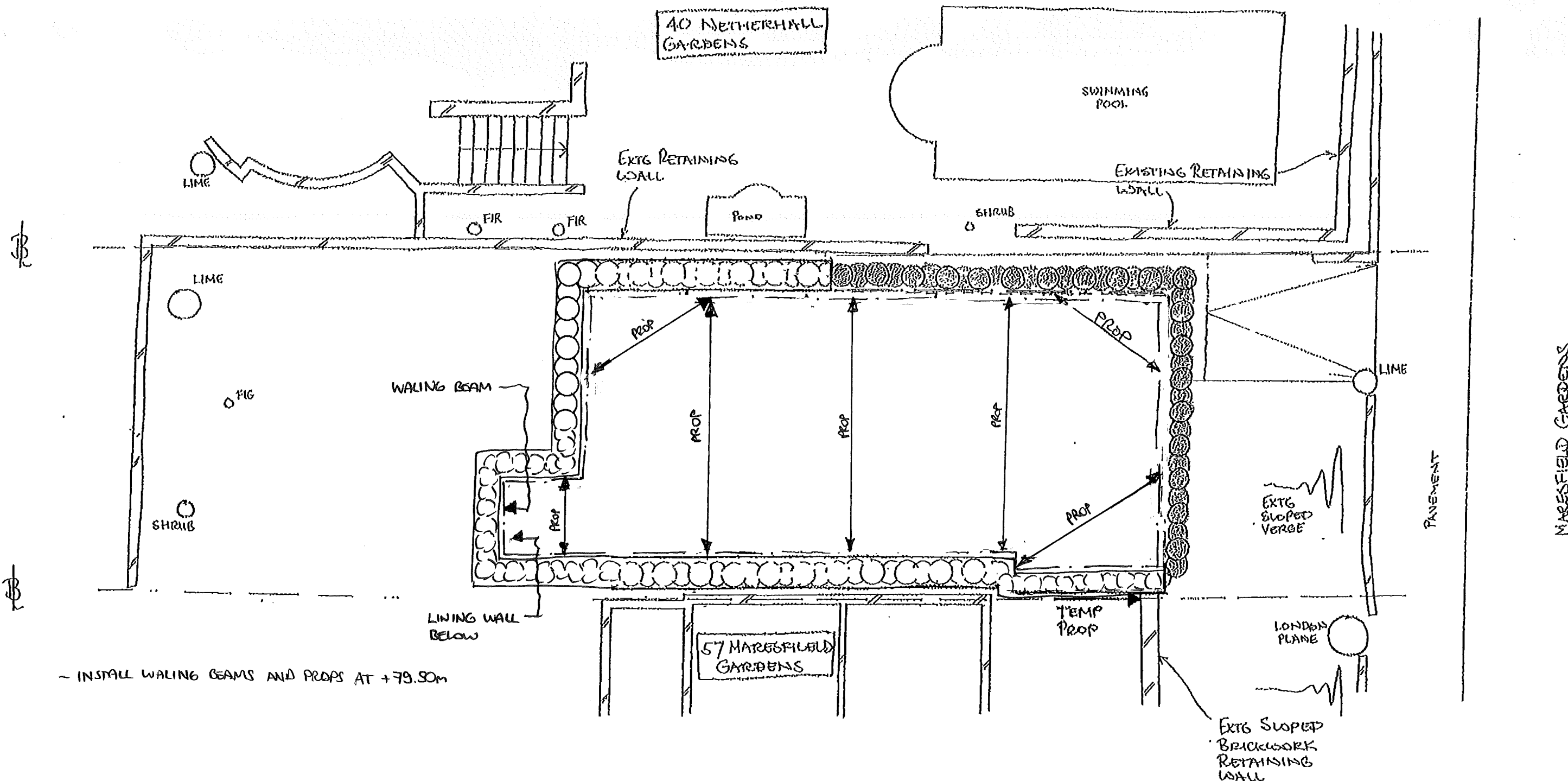
drawing title
PLAN SEQUENCING
11 OF 16
scale(s) date drawn
~ 1:100 FEB'15 AAT
drawing status
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job title
59 MARESFIELD GARDENS, LONDON

job no	drawing no	revision
2150020	SK/110	P1



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rev	date	by	chk	description

drawing title
PLAN SEQUENCING
12 OF 16

scale(s) date drawn
~ 1:100 FEB'15 AAT

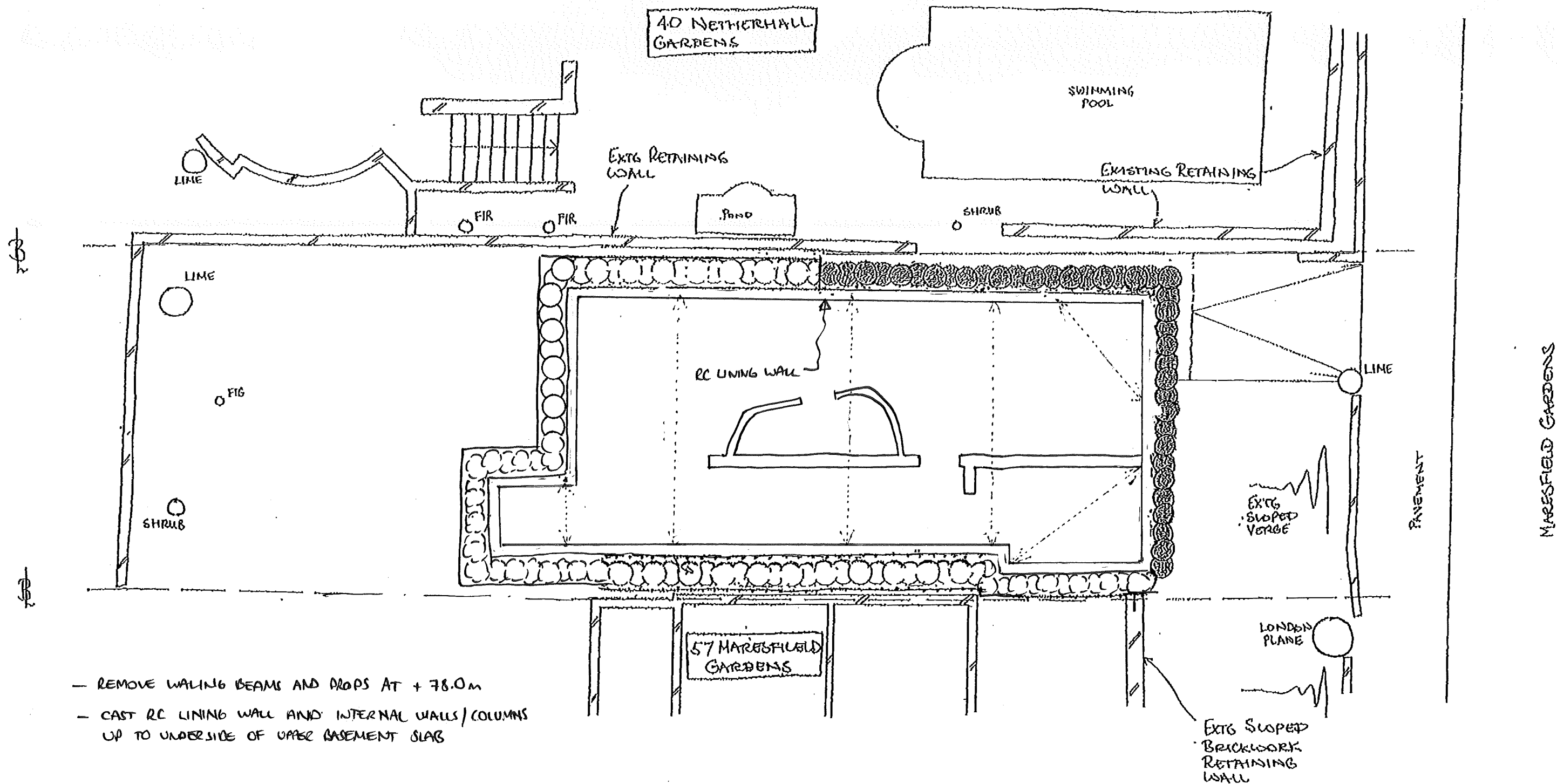
drawing status
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job title
59 MARESFIELD GARDENS, LONDON

job no	drawing no	revision
2150020	SK/III	P1



- REMOVE WALING BEAMS AND PROPS AT + 78.0m
- CAST RC LINING WALL AND INTERNAL WALLS/COLUMNS UP TO UNDERSIDE OF UPPER BASEMENT SLAB

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

Do not scale from this drawing.

rev	date	by	chk	description

drawing title

PLAN SEQUENCING

13 OF 16

scale(s)

date

drawn

~ 1:100

FEB'15

AAT

drawing status

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job title

59 MARESFIELD GARDENS, LONDON

job no

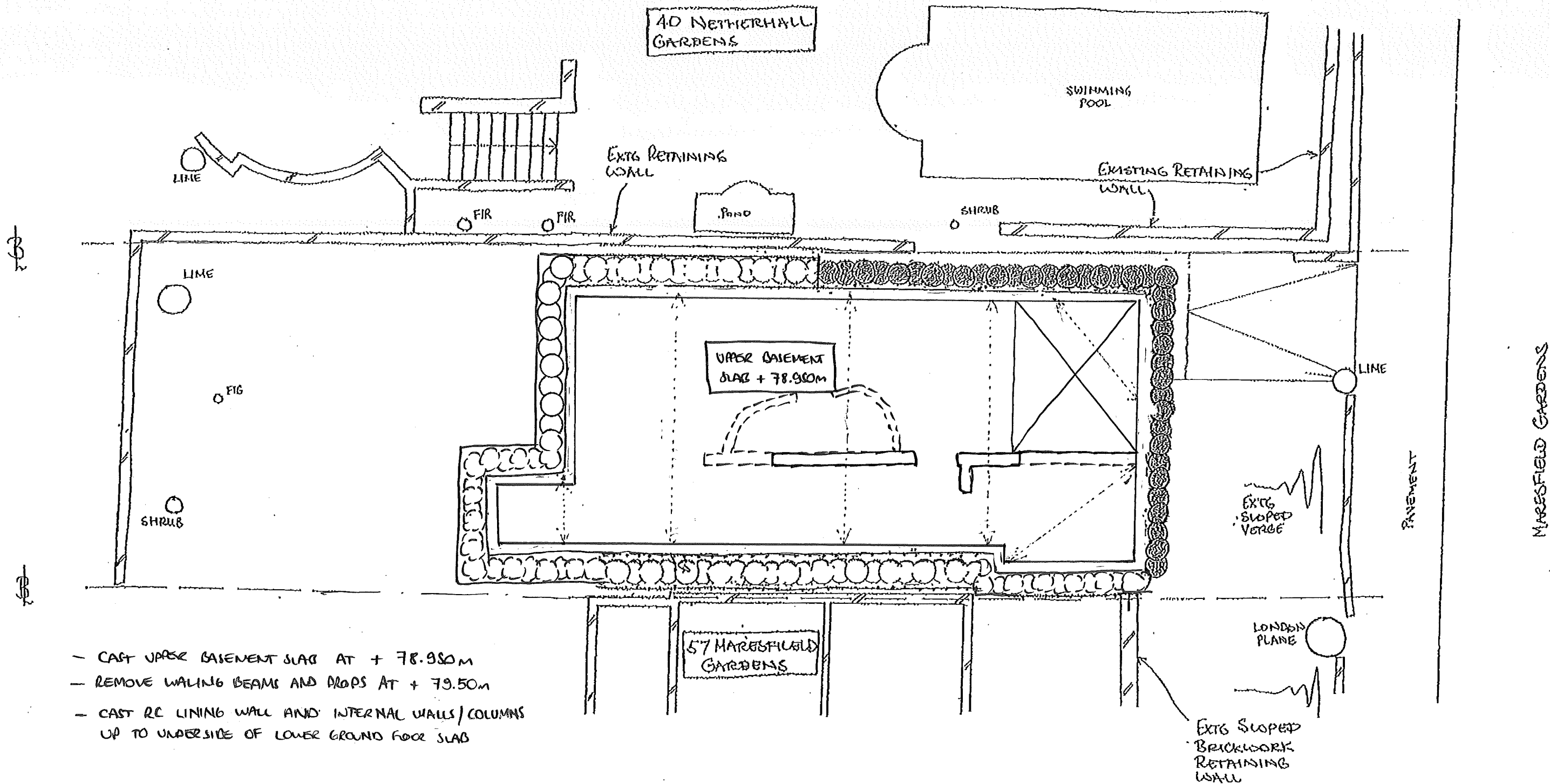
2150020

drawing no

SK/112

revision

P1



- CAST UPPER BASEMENT SLAB AT + 78.950M
- REMOVE WALING BEAMS AND DROPS AT + 79.50M
- CAST RC LINING WALL AND INTERNAL WALLS/COLUMNS UP TO UNDERSIDE OF LOWER GROUND FLOOR SLAB

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title

PLAN SEQUENCING

14 OF 16

scale(s)

date

drawn

~ 1:100 FEB'15 AAT

drawing status

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job title

59 MARESFIELD GARDENS, LONDON

job no

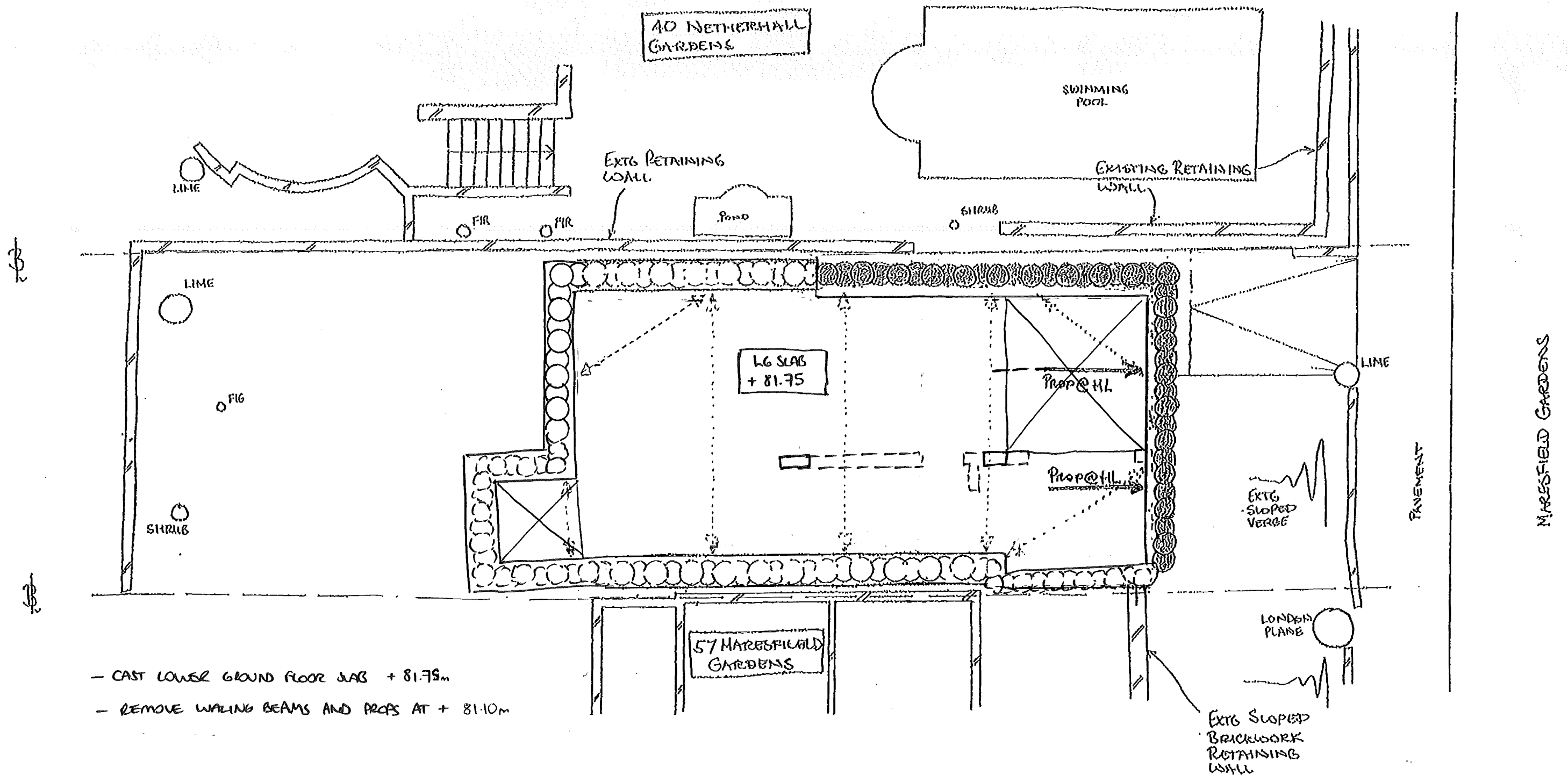
2150020

drawing no

SK/143

revision

P1



- CAST LOWER GROUND FLOOR SLAB + 81.75m
- REMOVE WALING BEAMS AND PROPS AT + 81.10m
- CAST LINING WALL AND RC COLUMNS UP TO UNDERSIDE OF UPPER GROUND FLOOR SLAB
- PROP FRONT ELEVATION WALLS @ H/L BELOW PROPOSED UG SLAB

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title

PLAN SEQUENCING
15 OF 16

scale(s)

date

drawn

~ 1:100 FEB'15 AAT

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job title

59 MARESFIELD
GARDENS, LONDON

job no

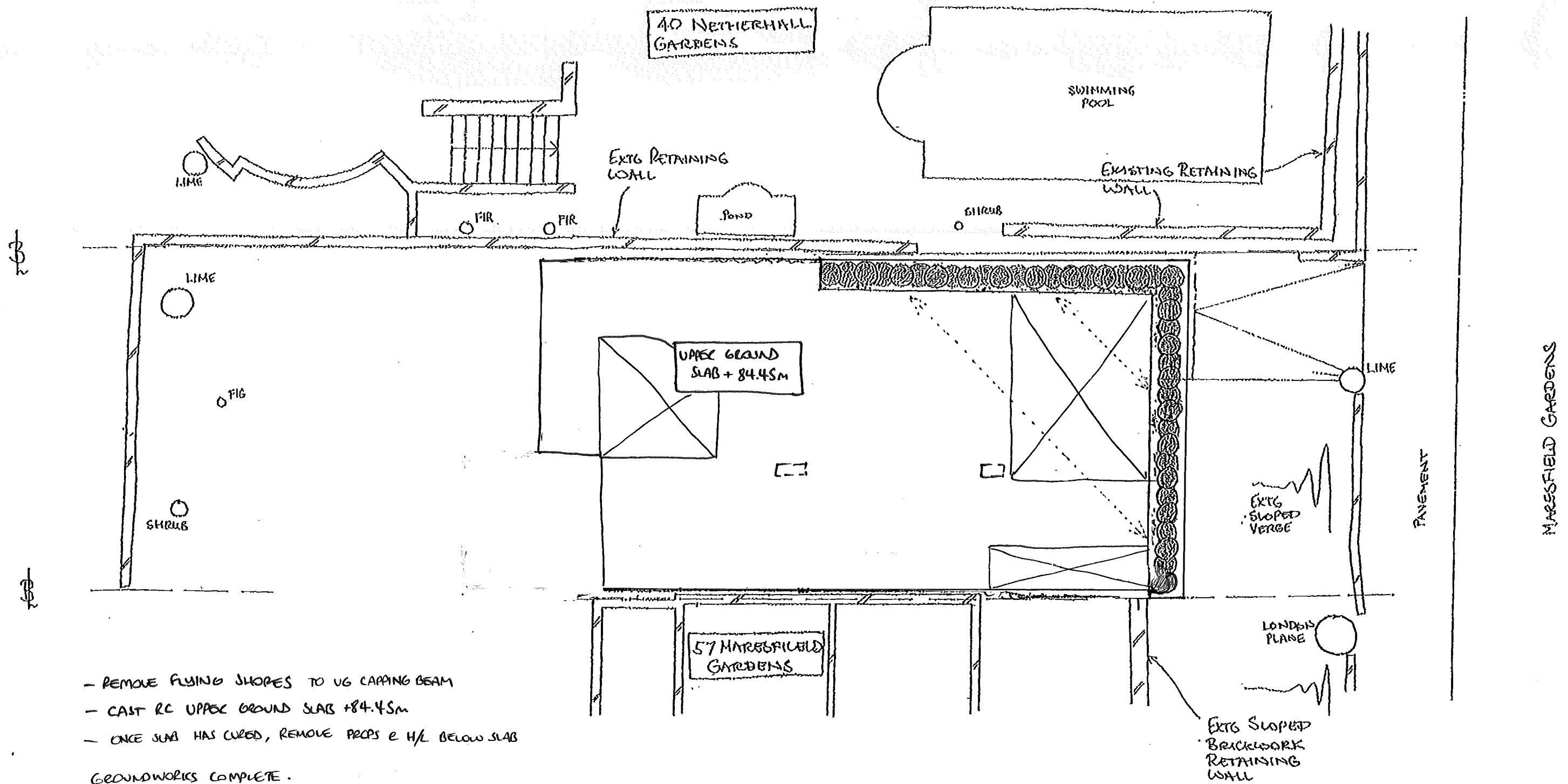
2150020

drawing no

SK/114

revision

P1



- REMOVE FLYING SHORES TO UG CAPPING BEAM
 - CAST RC UPPER GROUND SLAB +84.45m
 - ONCE SLAB HAS CURED, REMOVE PROPS & H/L BELOW SLAB
- GROUNDWORKS COMPLETE.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
PLAN SEQUENCING
16 of 16

scale(s) date drawn
~ 1:100 FEB'15 AAT

drawing status
PRELIMINARY

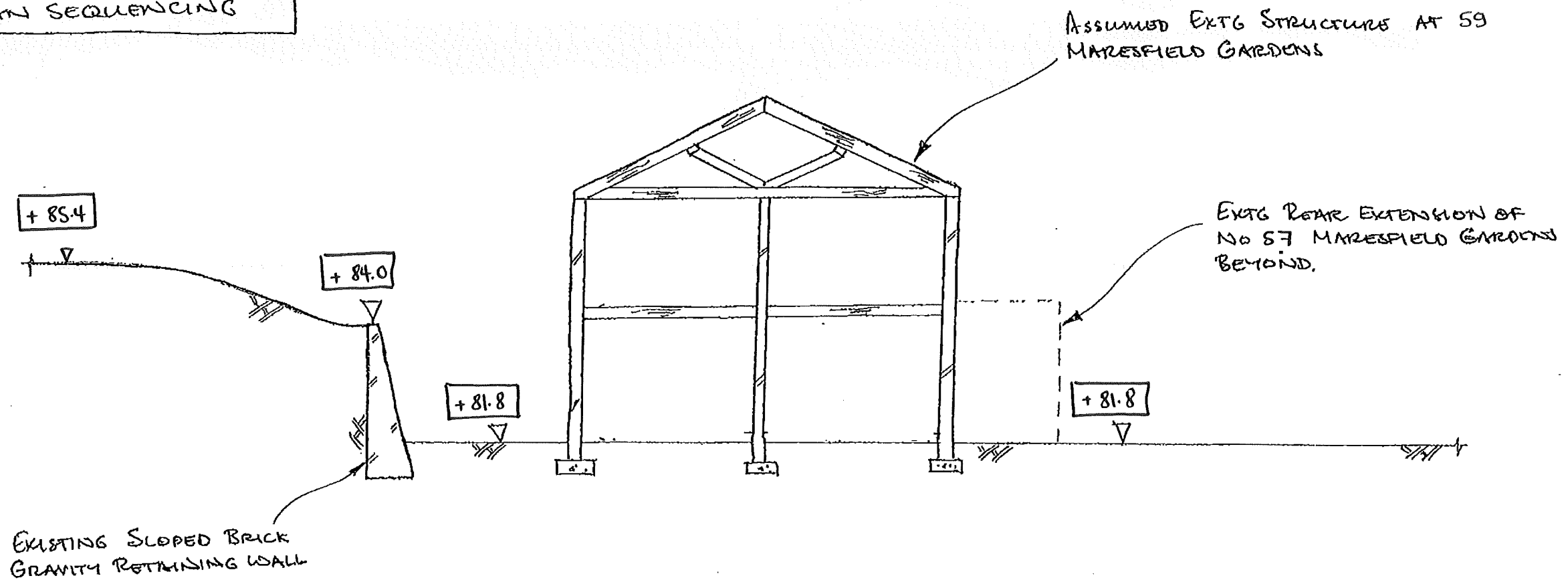
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job title
59 MARESFIELD GARDENS, LONDON

job no	drawing no	revision
2150020	SK/115	P1

TO BE READ IN CONJUNCTION
WITH PLAN SEQUENCING



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Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 1
SEQUENCING 1 OF 15**

scale(s) date drawn
~1:100 FEB'15 AAT

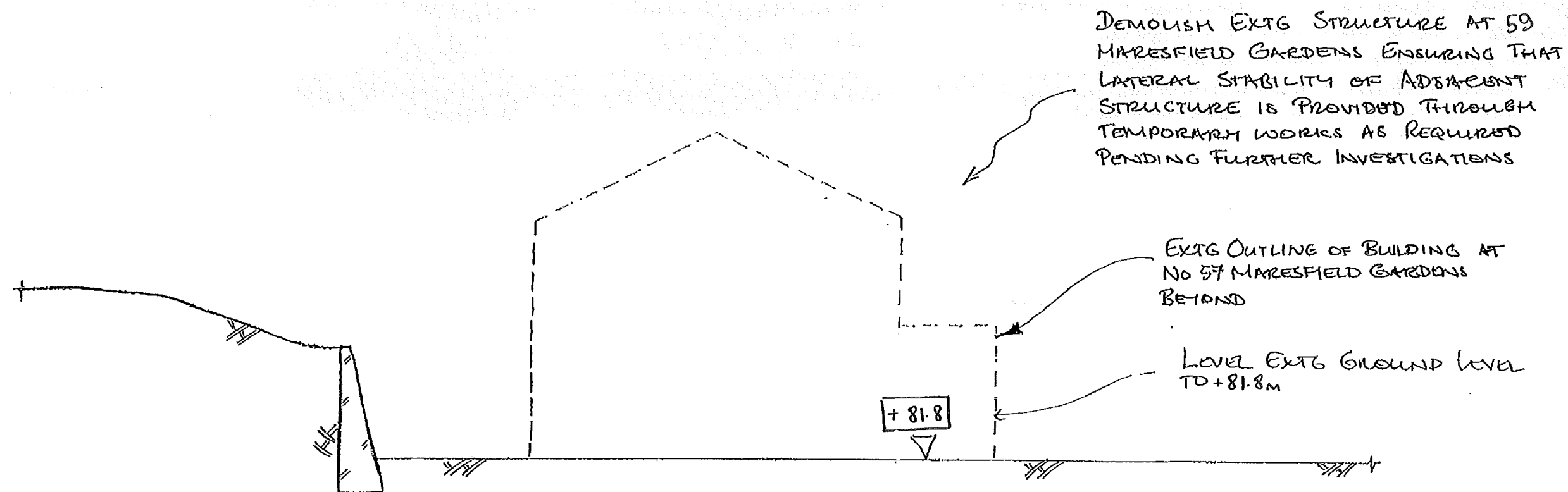
drawing status
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job title
**59 MARES FIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/200	P1



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Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 1
SEQUENCING 2 OF 15**

scale(s) date drawn
~1:100 FEB'15 AAT

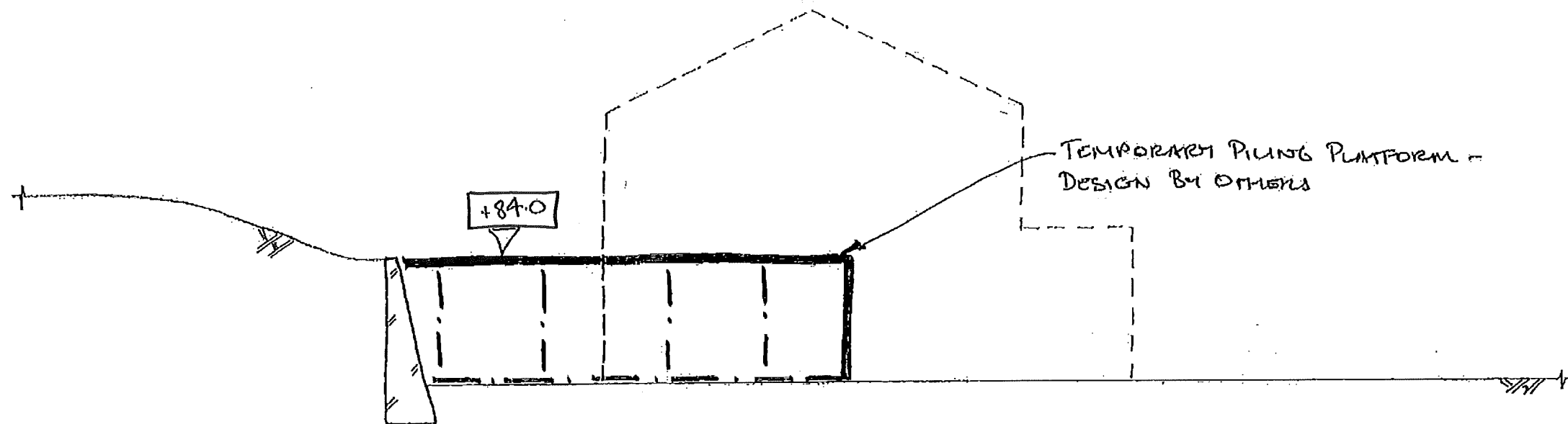
drawing status
PRELIMINARY

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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/201	P1



— INSTALL TEMPORARY PILING PLATFORM
AND TEMPORARY ACCESS RAMP —
NOT SHOWN.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 1
SEQUENCING 3 OF 15**

scale(s) date drawn

~1:100 FEB'15 AAT

drawing status

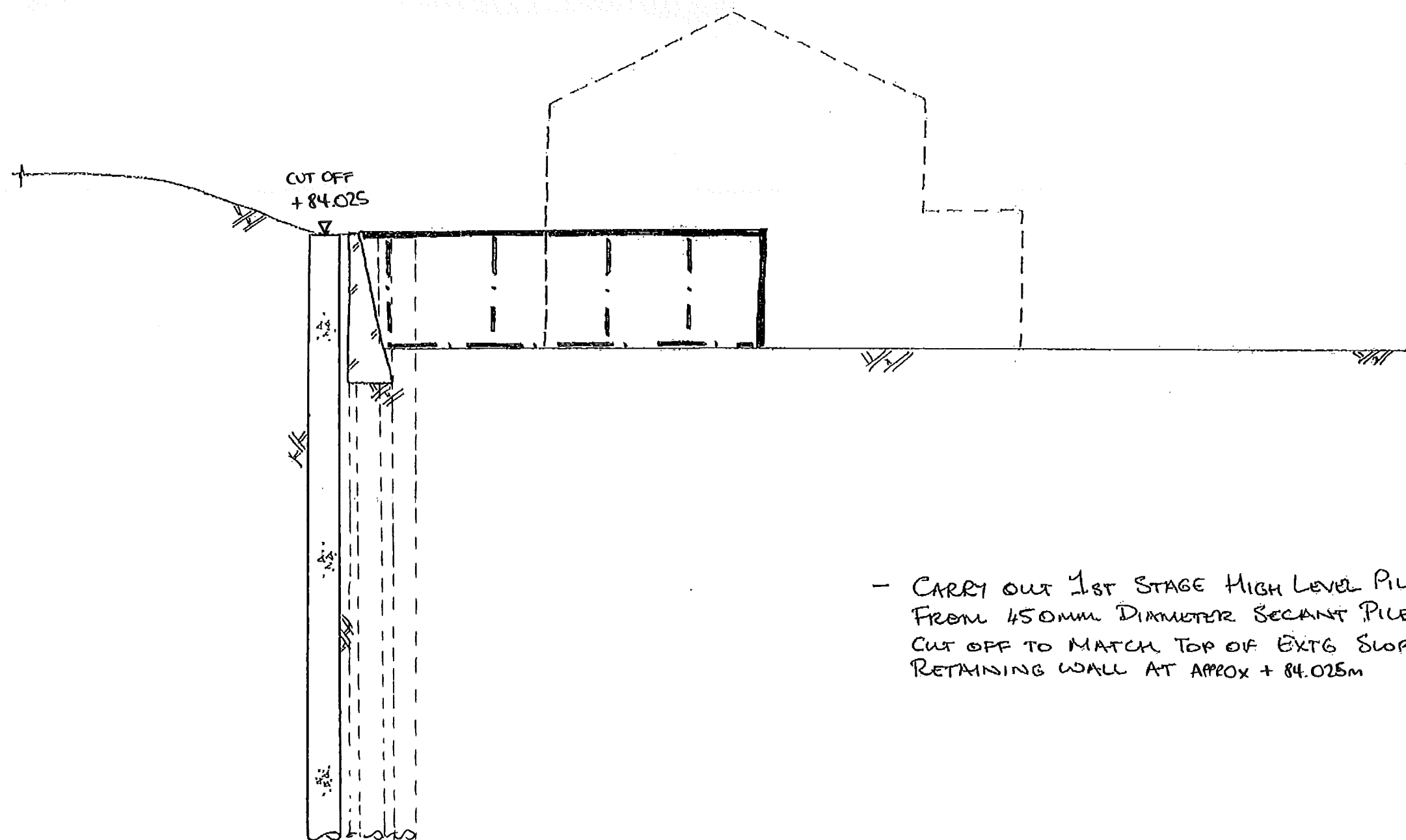
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job title
**59 MARES FIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/202	P1



- CARRY OUT 1ST STAGE HIGH LEVEL PILING
FROM 450mm DIAMETER SECANT PILES
CUT OFF TO MATCH TOP OF EXTG SLOPED
RETAINING WALL AT APPROX + 84.025m

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 1
SEQUENCING 4 OF 15**

scale(s) date drawn
~1:100 FEB'15 AAT

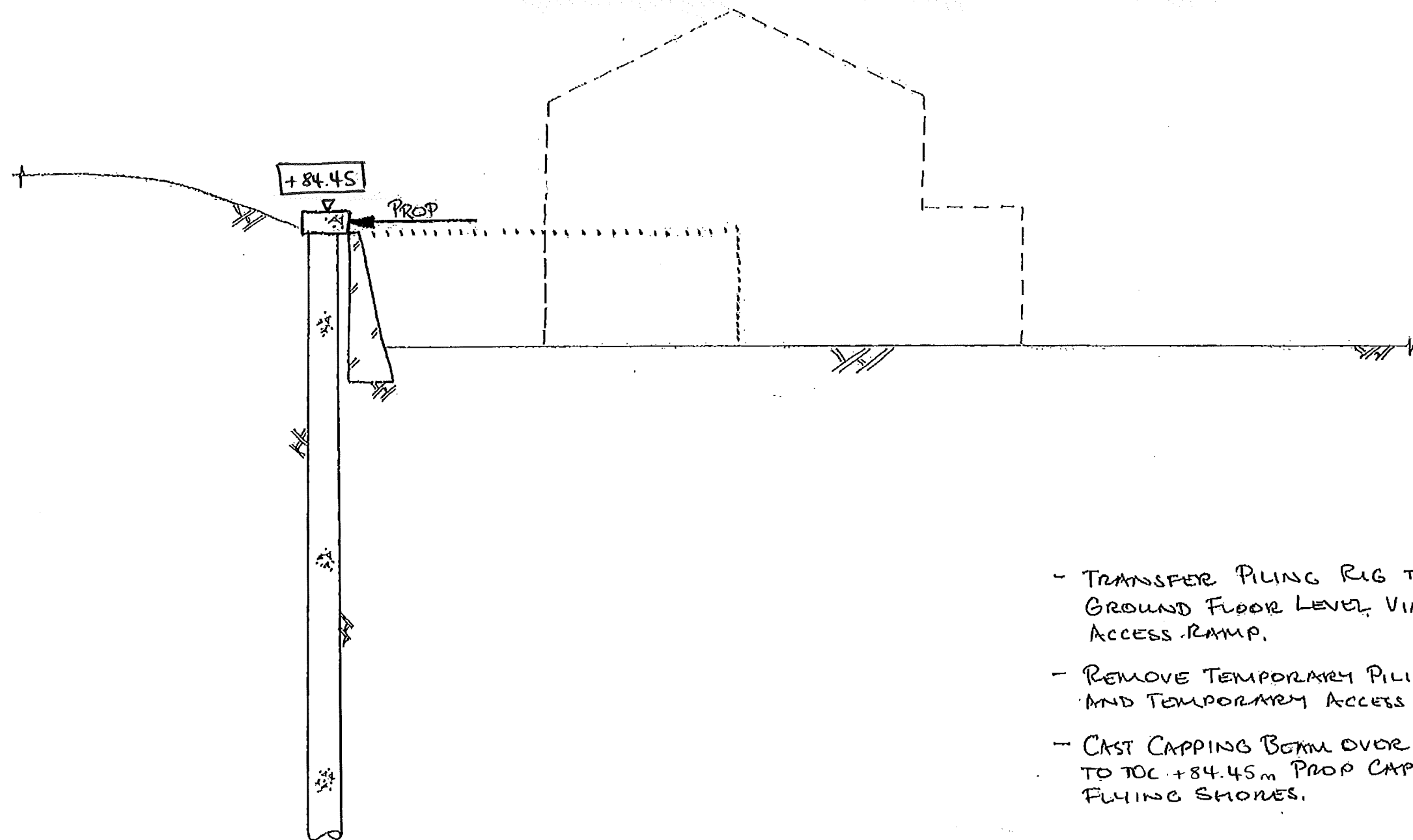
drawing status
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job title
**59 MARES FIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/203	P1



- TRANSFER PILING RIG TO EXTG LOWER GROUND FLOOR LEVEL VIA TEMPORARY ACCESS RAMP.
- REMOVE TEMPORARY PILING PLATFORM AND TEMPORARY ACCESS RAMP.
- CAST CAPPING BEAM OVER HIGH LEVEL PILES TO TOC +84.45m PROP CAPPING BEAM WITH FLYING SHORES.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

Do not scale from this drawing.

rev	date	by	chk	description

drawing title

LONG SECTION 1
SEQUENCING 5 OF 15

scale(s)

date

drawn

~1:100

FEB'15

AAT

drawing status

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job title

59 MARES FIELD
GARDENS, LONDON

job no

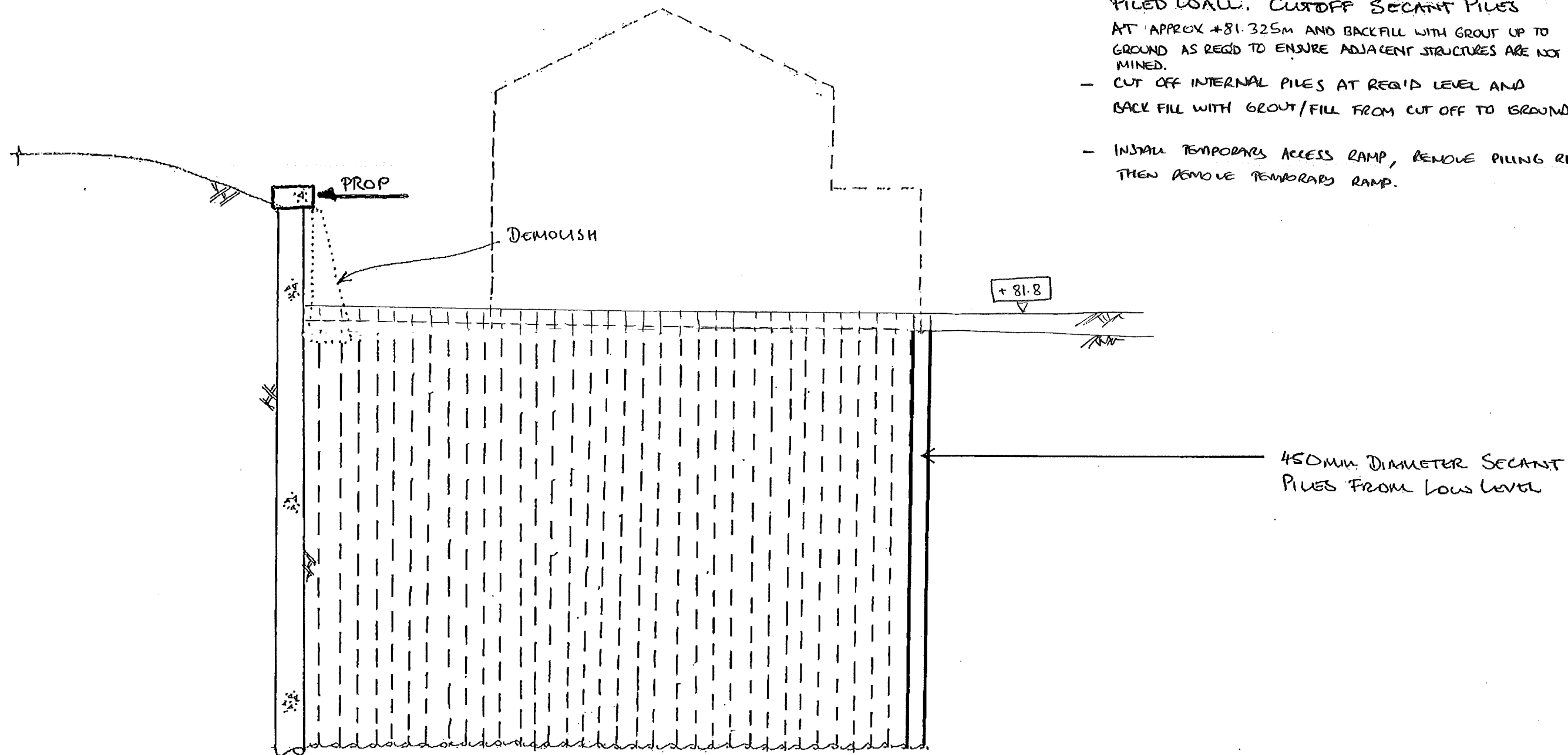
2150020

drawing no

SK/204

revision

P1



- DEMOLISH EXISTING SLOPED BRICKWORK RETAINING WALL
- CARRY OUT 2ND STAGE LOW LEVEL PILING FROM EXISTING GROUND LEVEL TO FORM 450mm DIAMETER SECANT PILED WALL. CUTOFF SECANT PILES AT APPROX +81.325m AND BACKFILL WITH GROUT UP TO GROUND AS REQ'D TO ENSURE ADJACENT STRUCTURES ARE NOT UNDERMINED.
- CUT OFF INTERNAL PILES AT REQ'D LEVEL AND BACK FILL WITH GROUT/FILL FROM CUT OFF TO GROUND LEVEL.
- INSTALL TEMPORARY ACCESS RAMP, REMOVE PILING RIG THEN REMOVE TEMPORARY RAMP.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 1
SEQUENCING 6 OF 15**

scale(s) date drawn
~1:100 FEB'15 AAT

drawing status
PRELIMINARY

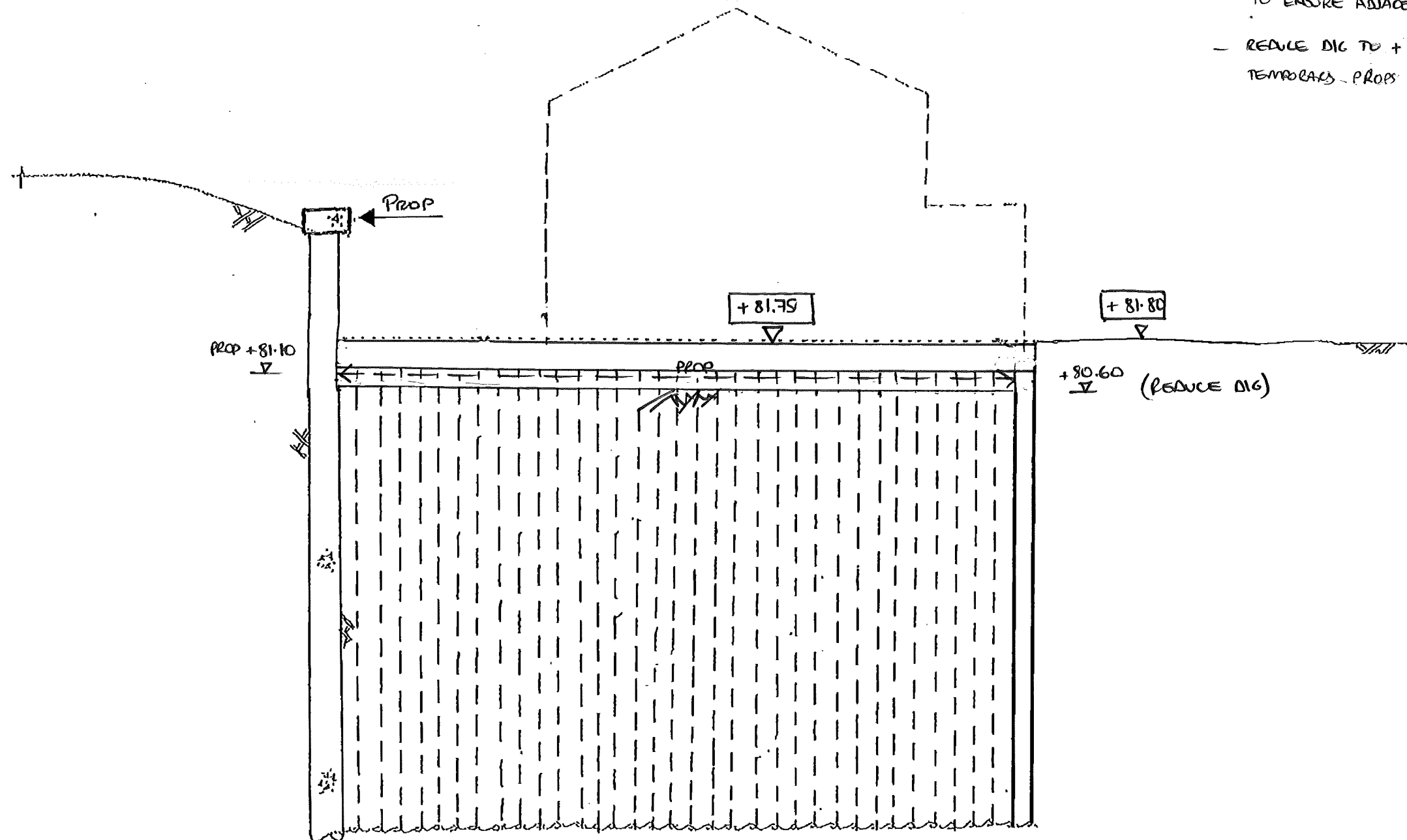
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job title
**59 MARES FIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/205	P1

- CAST CAPPING BEAM FROM REINFORCED CONCRETE ON TO LOW LEVEL SECANT PILES TO LG SSL + 81.75m. CAST IN MAX 4M LONG SECTIONS IN UNDERPINNING SEQUENCE IF REQ'D TO ENSURE ADJACENT STRUCTURES ARE NOT UNDERMINED.
- REDUCE DIG TO + 80.60m AND INSTALL WALING BEAMS AND TEMPORARY PROPS AT + 81.10m.



This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

Do not scale from this drawing.

rev	date	by	chk	description

drawing title

LONG SECTION 1
SEQUENCING 7 OF 15

scale(s)

date

drawn

~1:100

FEB'15

AAT

drawing status

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job title

59 MARES FIELD
GARDENS, LONDON

job no

2150020

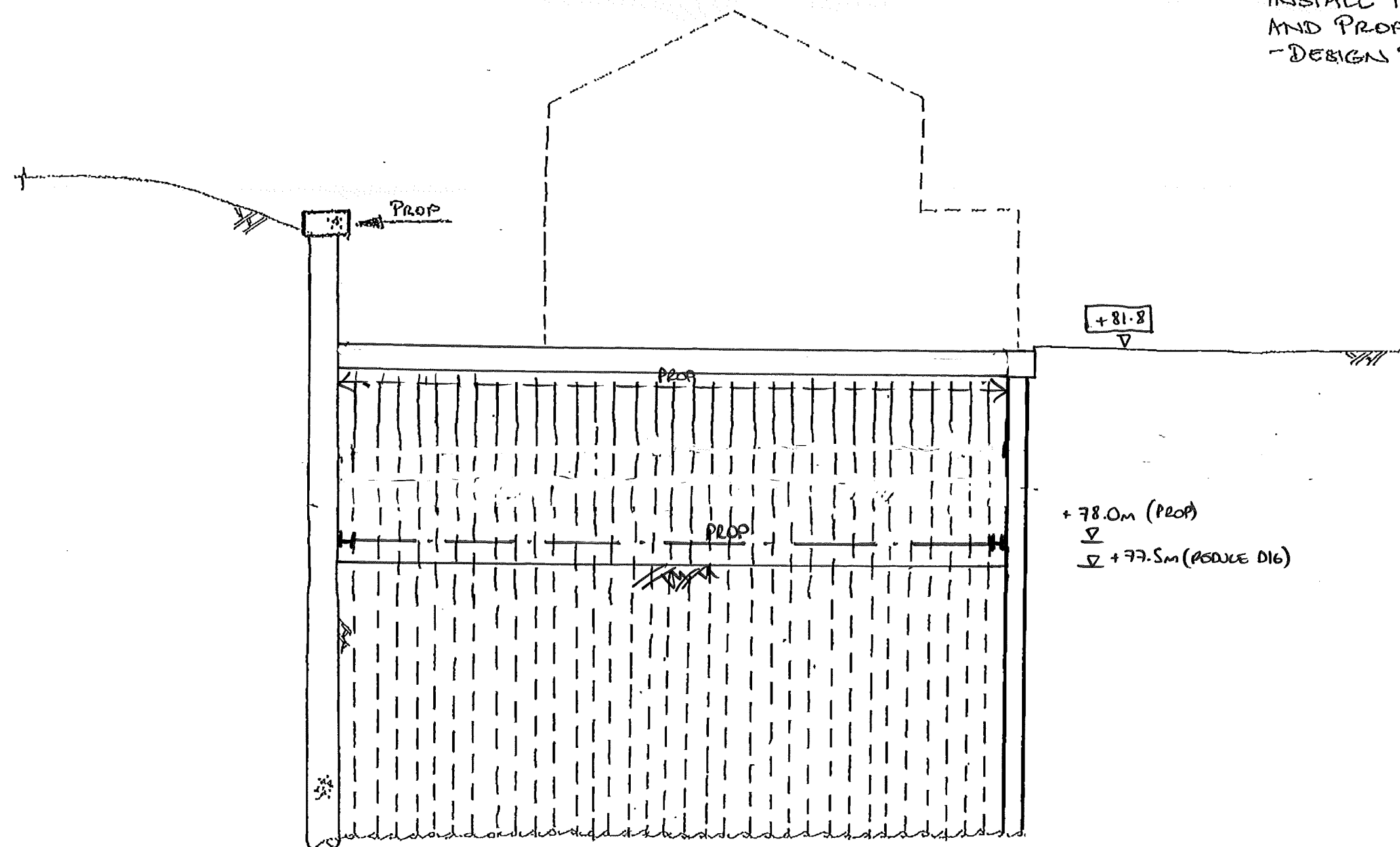
drawing no

SK/206

revision

P1

- EXCAVATE GROUND WITHIN SECANT PILED WALL TO REDUCED DIG LEVEL AT +77.50m
- INSTALL PERIMETER WALING BEAMS AND PROPS AS TEMPORARY WORKS
- DESIGN BY OTHERS, AT +78.00m



This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
LONG SECTION 1
SEQUENCING 8 of 15

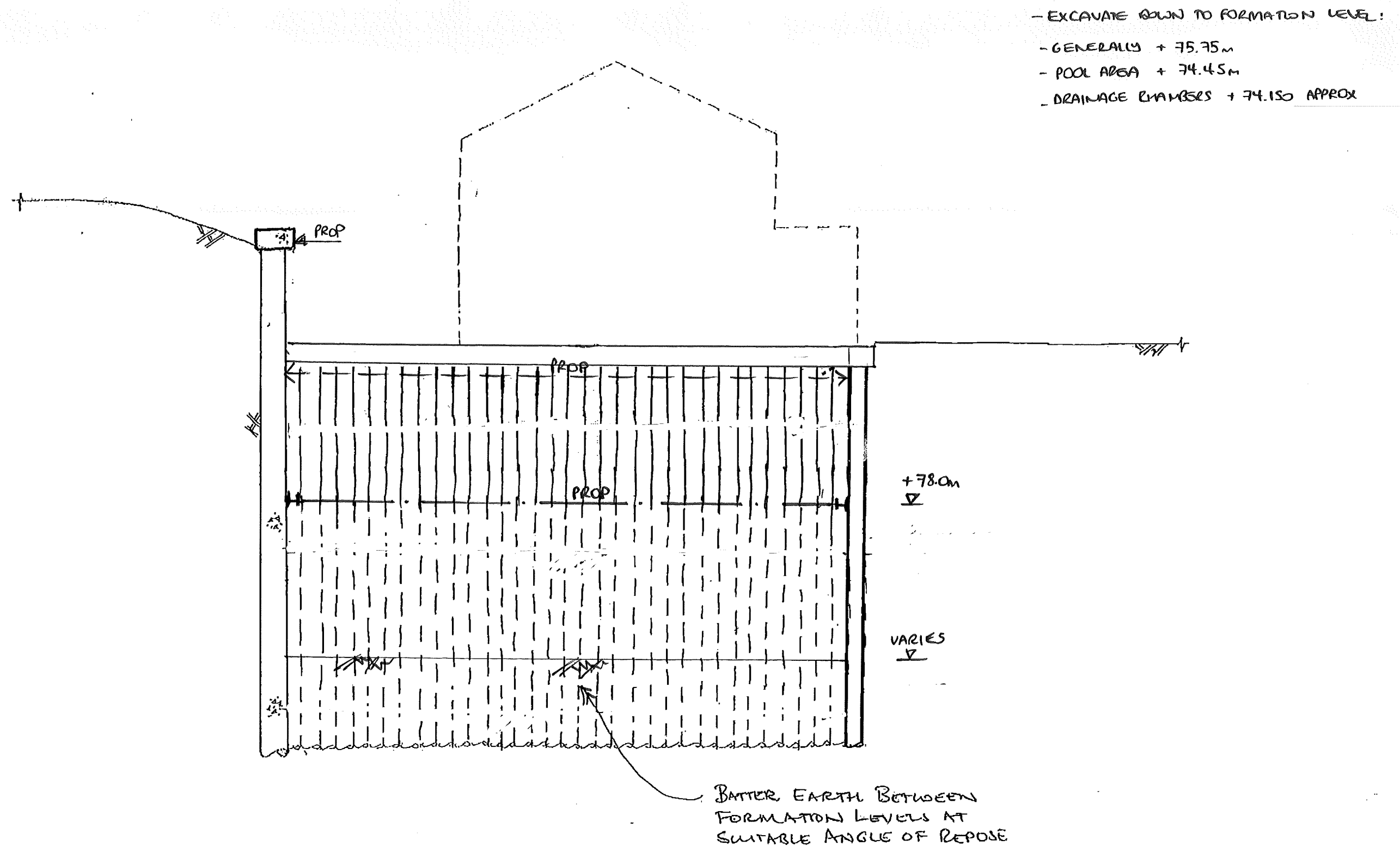
scale(s) date drawn
~1:100 FEB'15 AAT
drawing status
PRELIMINARY

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job title
59 MARES FIELD
GARDENS, LONDON

job no	drawing no	revision
2150020	SK/207	P1



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Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 1
SEQUENCING 9 of 15**

scale(s) date drawn
~1:100 FEB'15 AAT

drawing status
PRELIMINARY

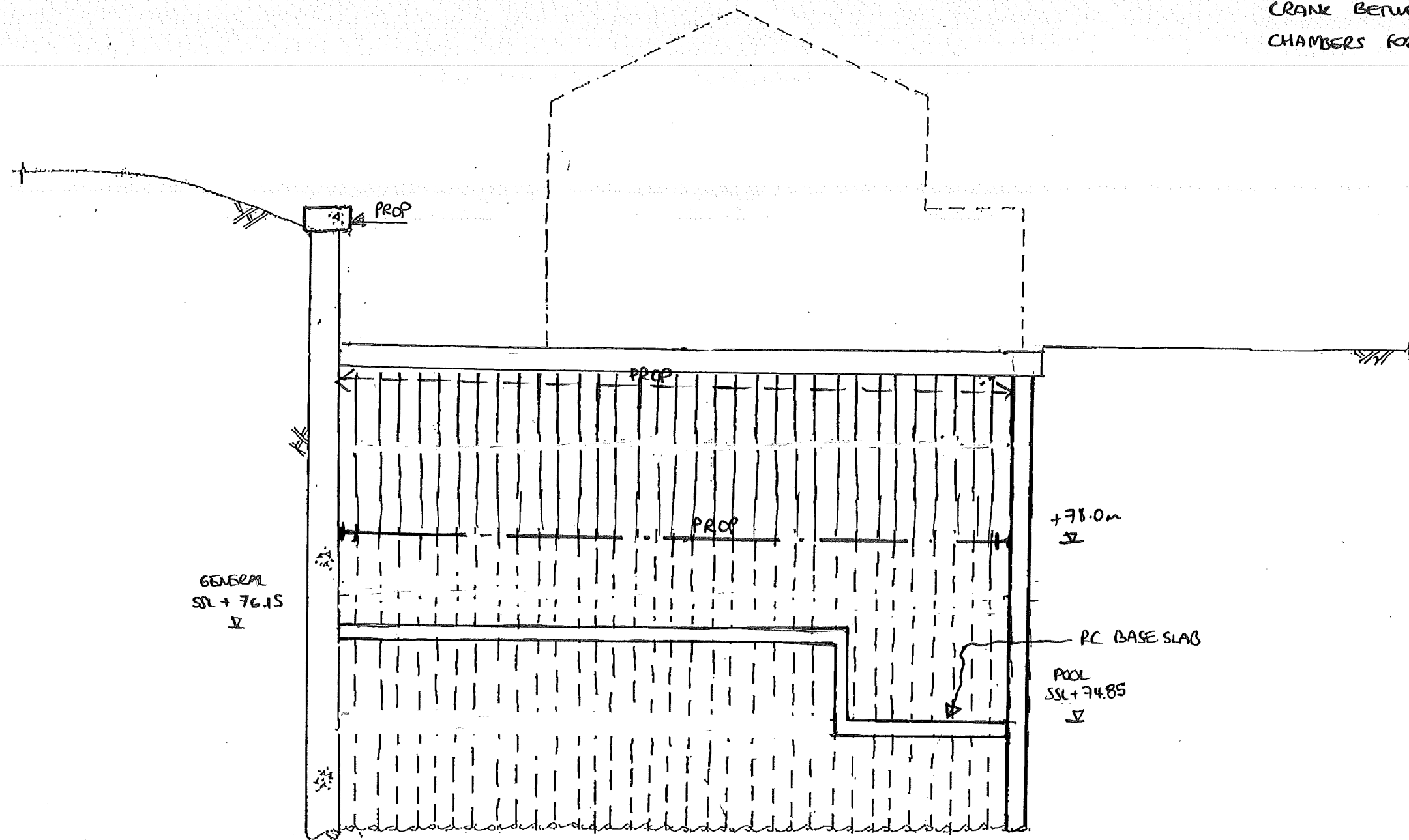
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job title
**59 MARES FIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/208	P1

- CAST RC BASESLAB INCLUDING
CRANK BETWEEN LEVELS AND RC
CHAMBERS FOR DRAINAGE



This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

Do not scale from this drawing.

rev	date	by	chk	description

drawing title

LONG SECTION 1
SEQUENCING 10 OF 15

scale(s)

date

drawn

~1:100 FEB'15

AAT

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job title

59 MARES FIELD
GARDENS, LONDON

job no

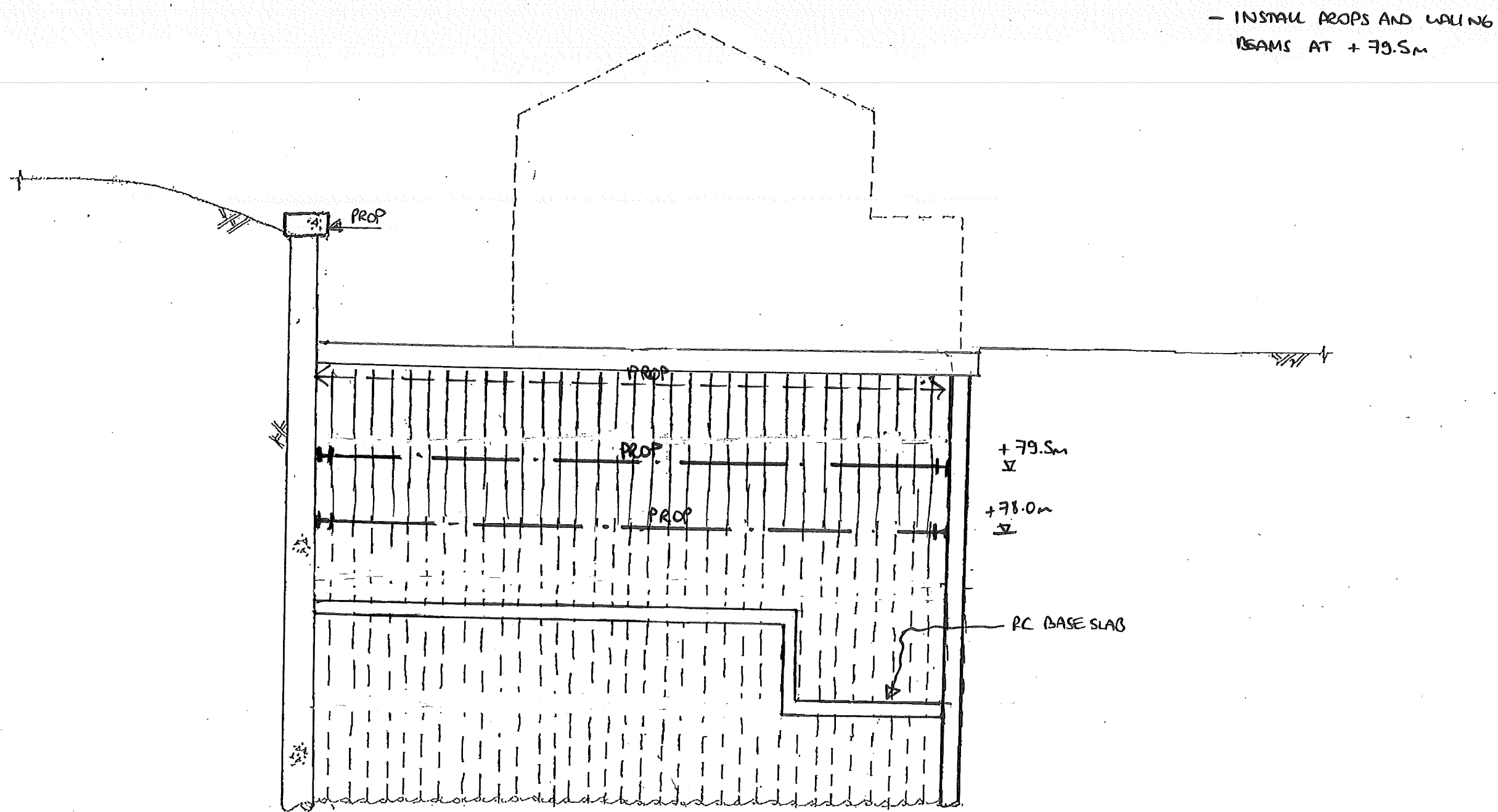
2150020

drawing no

9/209

revision

P1



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Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 1
SEQUENCING 11 OF 15**

scale(s) date drawn
~1:100 FEB'15 AAT

drawing status
PRELIMINARY

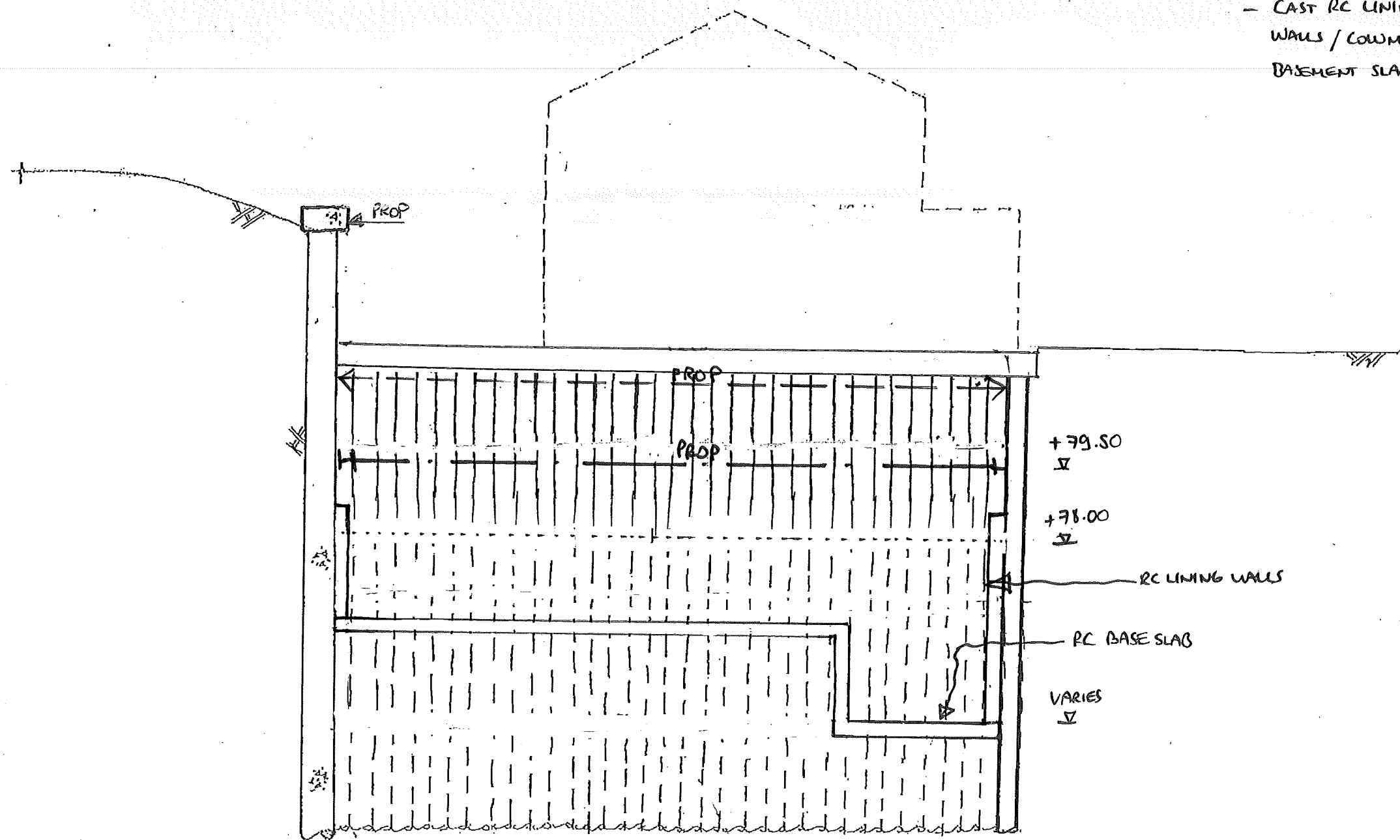
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job title
**59 MARES FIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/210	P1

- REMOVE WALING BEAM AT 78.00m
- CAST RC LINING WALLS AND INTERNAL WALLS / COLUMNS UP TO UNDERSIDE OF BASEMENT SLAB.



This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 1
SEQUENCING 12 OF 15**

scale(s) date drawn
~1:100 FEB'15 AAT

drawing status
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job title
**59 MARES FIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/211	P1

-
- CAST RC WALLS / COLUMN OF LOWER GROUND FLOOR
- RC LINING WALL
- +79.50
- PROP
- RC BASE SLAB
- VARIES
- +78.95
- RC LINING WALL CAST AROUND PROPS

Do not scale from this drawing.

rev	date	by	chk	description
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drawing title
LONG SECTION 1
SEQUENCING
13 OF 15

scale(s) date drawn

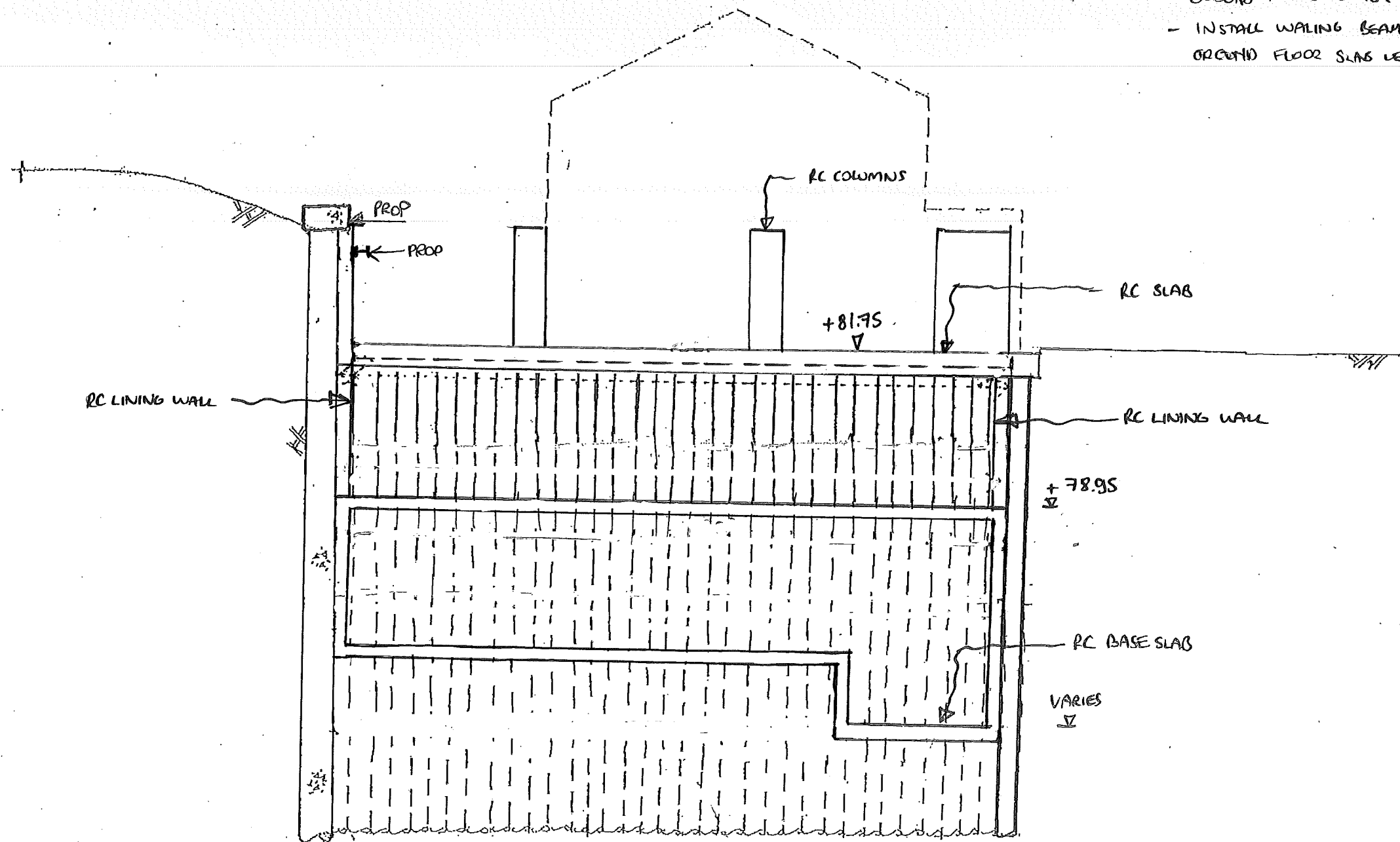
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drawing status
PRELIMINARY

Elliott Wood Partnership LLP, 241 The Broadway, London SW19 1SD
Consulting Structural and Civil Engineers. www.elliottwood.co.uk
tel: (020) 8544 0033 fax: (020) 8544 0066 info@elliottwood.co.uk

job no	drawing no	revision
2150020	SK/212	P1

- CAST RC LOWER GROUND FLOOR SLAB AT + 81.75m
- REMOVE WALING BEAMS AND PROPS AT 81.10m
- CAST RC COLUMNS UP TO UNDERSIDE OF UPPER GROUND FLOOR SLAB.
- INSTALL WALING BEAMS AND PROPS BELOW UPPER GROUND FLOOR SLAB LEVEL.



This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
LONG SECTION 1
SEQUENCING 14 OF 15

scale(s) date drawn
~1:100 FEB'15 AAT

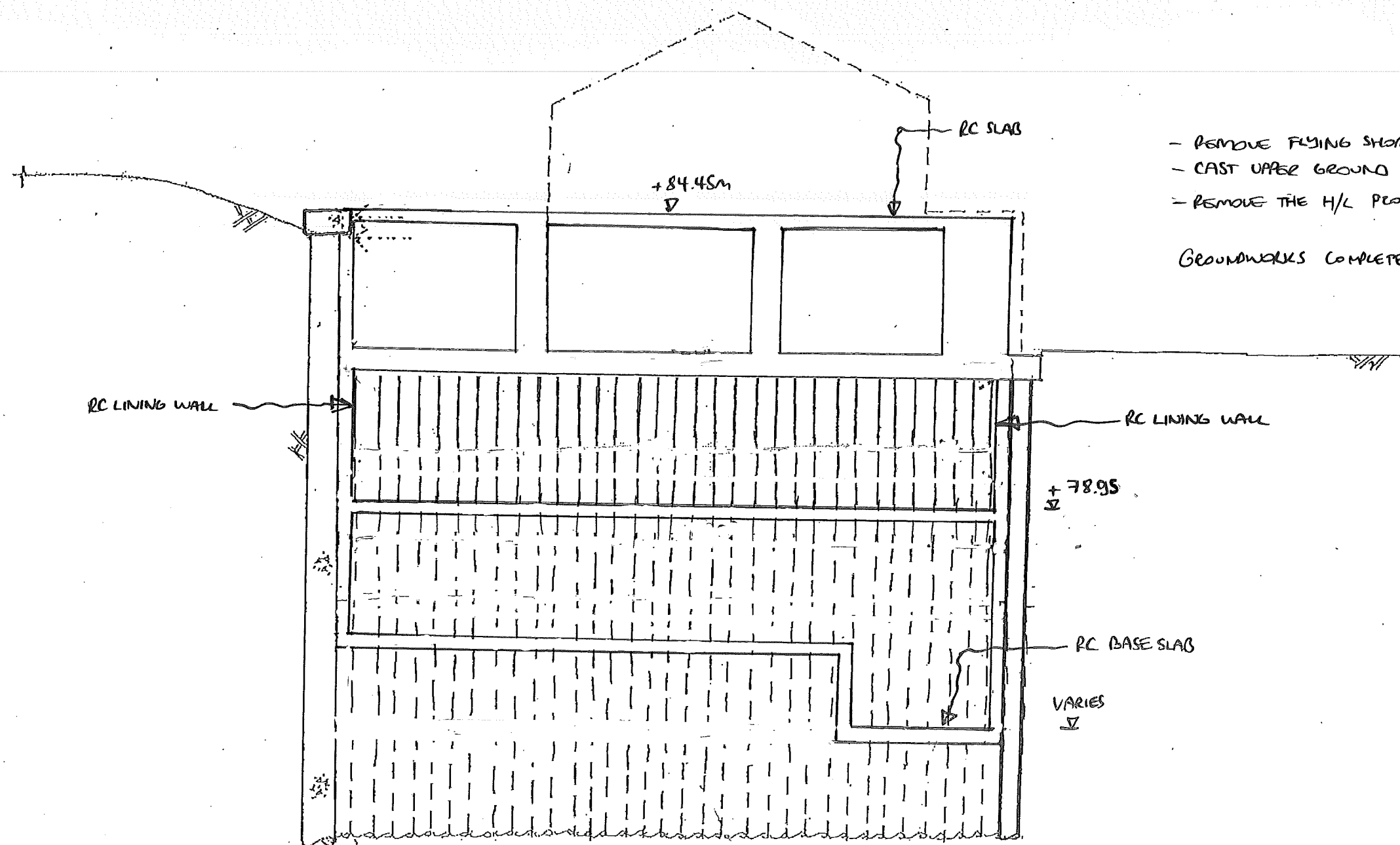
drawing status
PRELIMINARY

elliottwood

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tel: (020) 8544 0033 fax: (020) 8544 0066 info@elliottwood.co.uk

job title
**59 MARES FIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/213	P1



- REMOVE FLYING SHOES TO UG CAPPING BEAM
- CAST UPPER GROUND FLOOR SLAB AT +84.45m
- REMOVE THE H/L PROPS BELOW SLAB ONCE SLAB HAS CURED

GROUNDWORKS COMPLETE

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
LONG SECTION 1
SEQUENCING 15 OF 15

scale(s) date drawn
~1:100 FEB'15 AAT

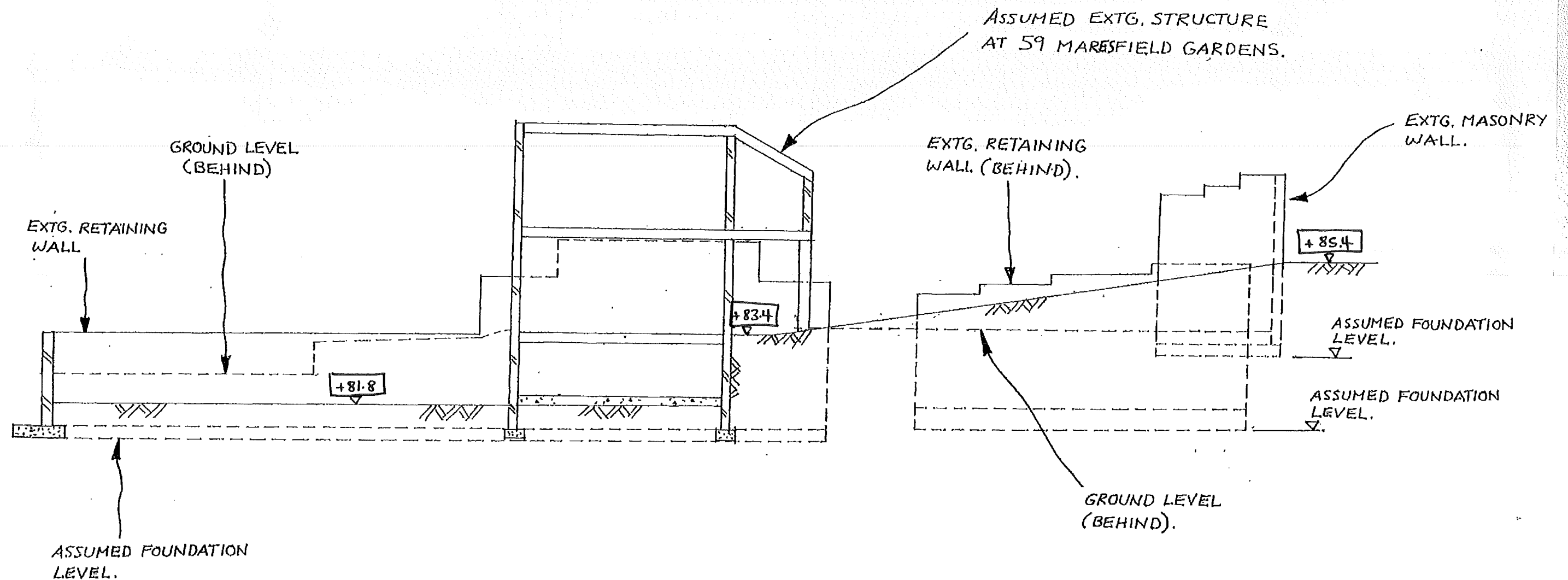
drawing status
PRELIMINARY

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tel: (020) 8544 0033 fax: (020) 8544 0066 info@elliottwood.co.uk

job title
**59 MARES FIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/214	P1



This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING 1 OF 16**

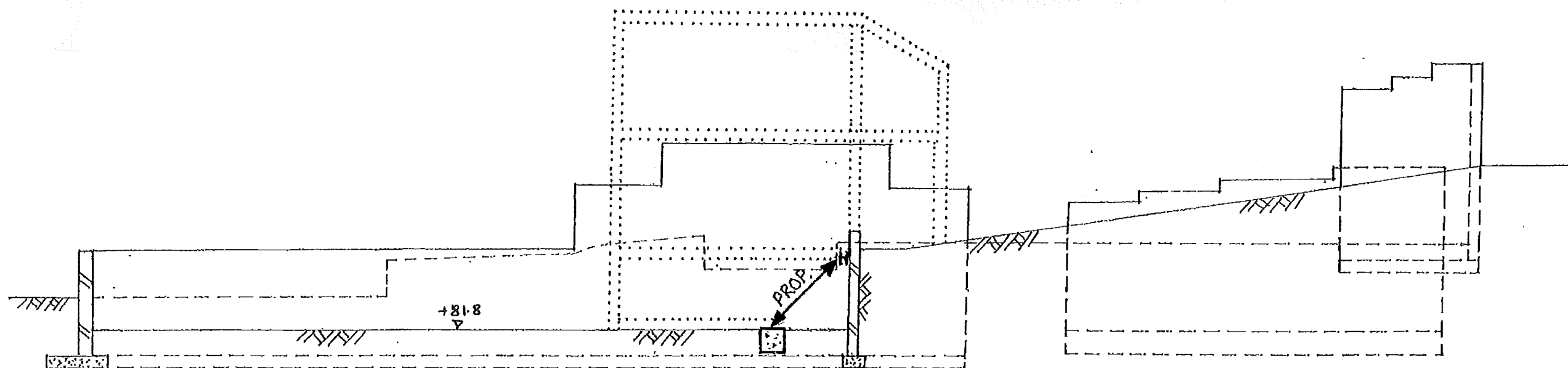
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1:100 FEB'15 AAT
drawing status
PRELIMINARY

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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/300	P1



- PROP FACE OF BRICKWORK RETAINING WALL (RETAINING DRIVEWAY) AS REQUIRED WITH WALING BEAMS, PROPS AND THRUST BLOCKS.
- DEMOLISH EXISTING STRUCTURE AT No.59 MARESFIELD GARDENS ENSURING THAT LATERAL STABILITY OF ADJACENT STRUCTURE IS PROVIDED THROUGH TEMPORARY WORKS AS REQUIRED PENDING FURTHER INVESTIGATIONS.
- LEVEL EXISTING LOWER GROUND FLOOR LEVEL TO +81.8m

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING 2 OF 16**

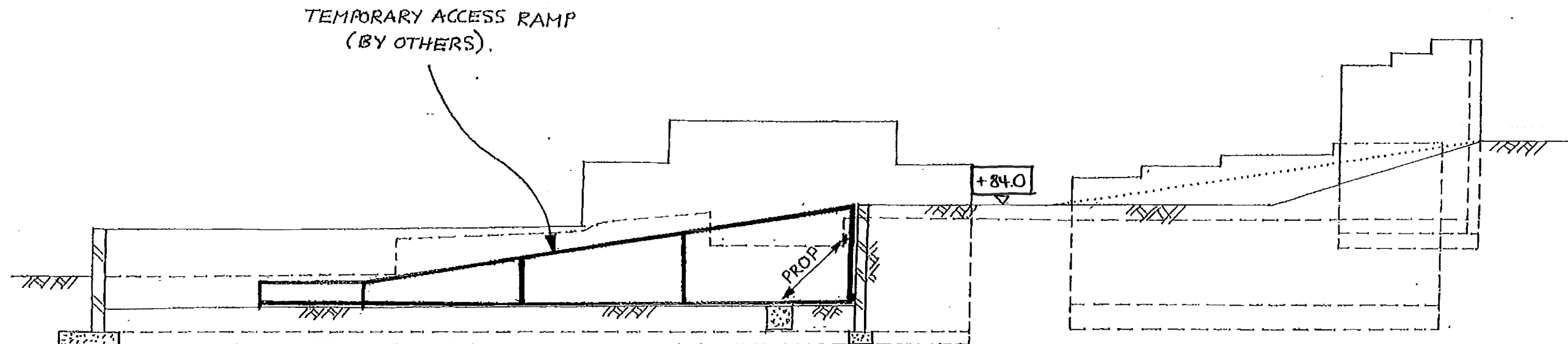
scale(s) date drawn
1:100 FEB'15 AAT
drawing status
PRELIMINARY

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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/301	P1



- INSTALL TEMPORARY PILING PLATFORM (NOT SHOWN) AND TEMPORARY ACCESS RAMP. (DESIGN BY OTHERS).
- REDRESS DRIVE LEVEL TO + 84.0m

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
LONG SECTION 2
SEQUENCING 3 of 16

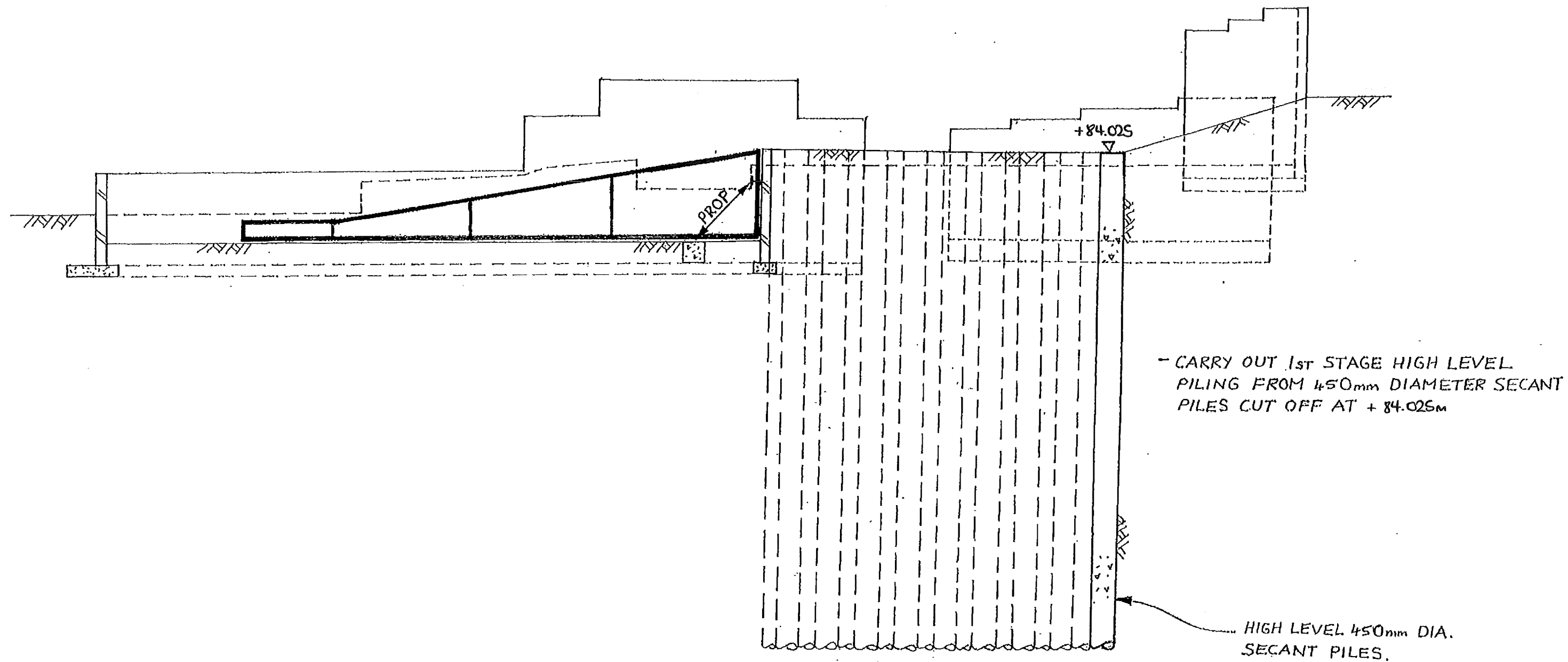
scale(s) date drawn
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drawing status
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job title
59 MARESFIELD
GARDENS, LONDON

job no	drawing no	revision
2150020	SK/302	P1



This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING 4 of 16**

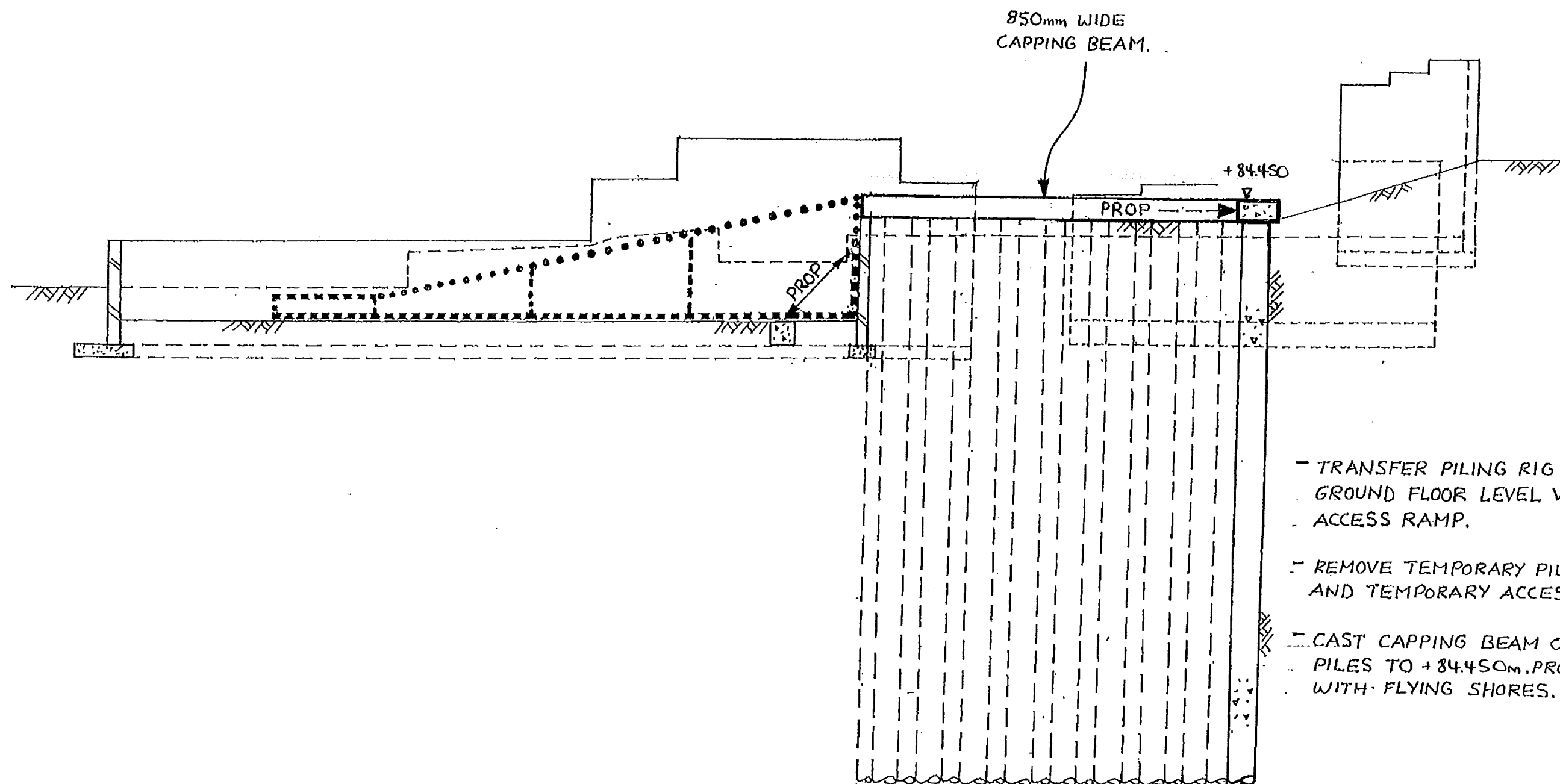
scale(s) date drawn
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drawing status
PRELIMINARY

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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/303	P1



- TRANSFER PILING RIG TO EXTG. LOWER GROUND FLOOR LEVEL VIA TEMPORARY ACCESS RAMP.
- REMOVE TEMPORARY PILING PLATFORM AND TEMPORARY ACCESS RAMP.
- CAST CAPPING BEAM OVER HIGH LEVEL PILES TO +84.450m. PROP CAPPING BEAM WITH FLYING SHORES.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING**
5 OF 16

scale(s) date drawn
1:100 FEB'15 AAT

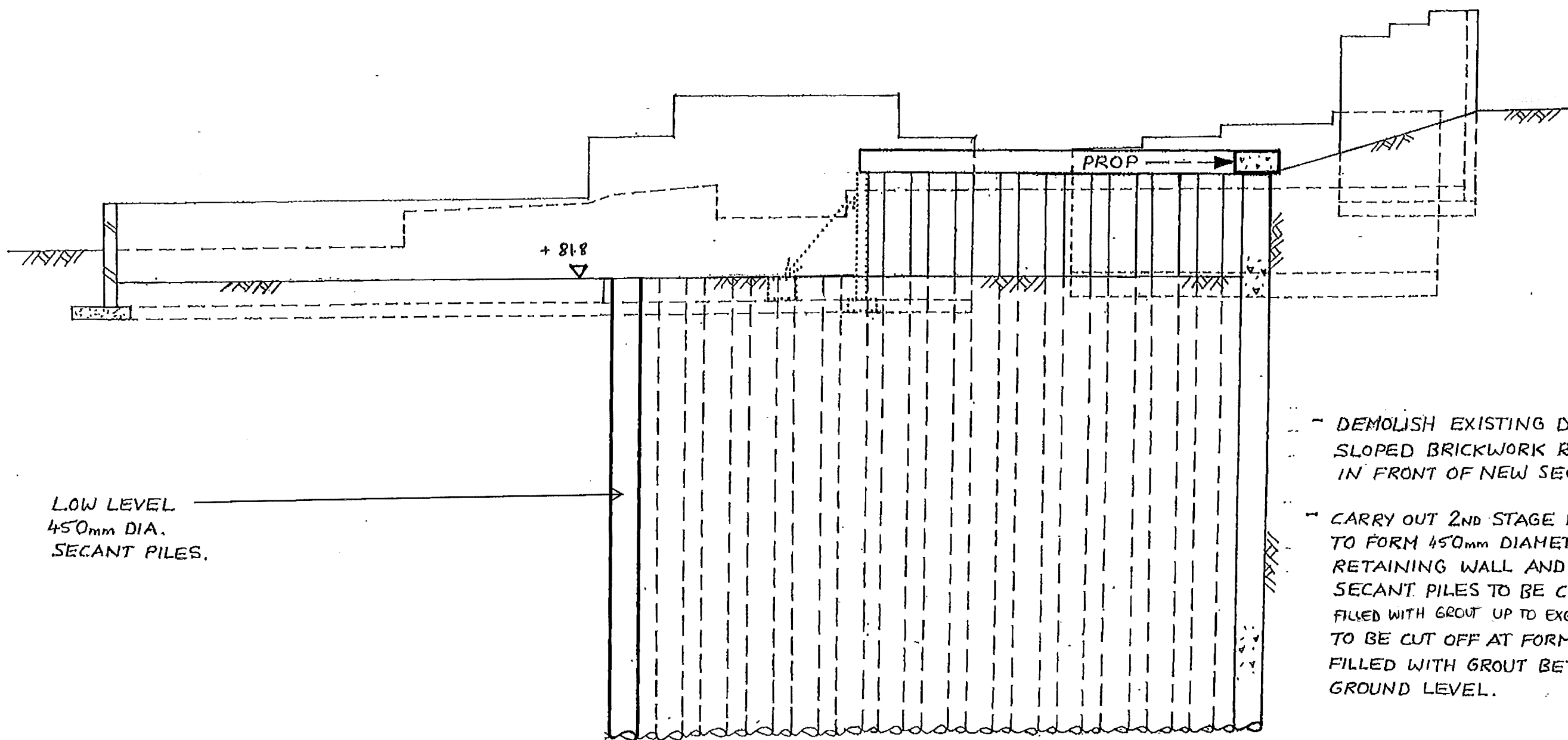
drawing status
PRELIMINARY

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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/304	P1



This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

Do not scale from this drawing.

rev	date	by	chk	description

drawing title

LONG SECTION 2
SEQUENCING 6 of 16

scale(s)

date

drawn

1:100
drawing status

FEB'15

AAT

PRELIMINARY

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job title

59 MARESFIELD
GARDENS, LONDON

job no

2150020

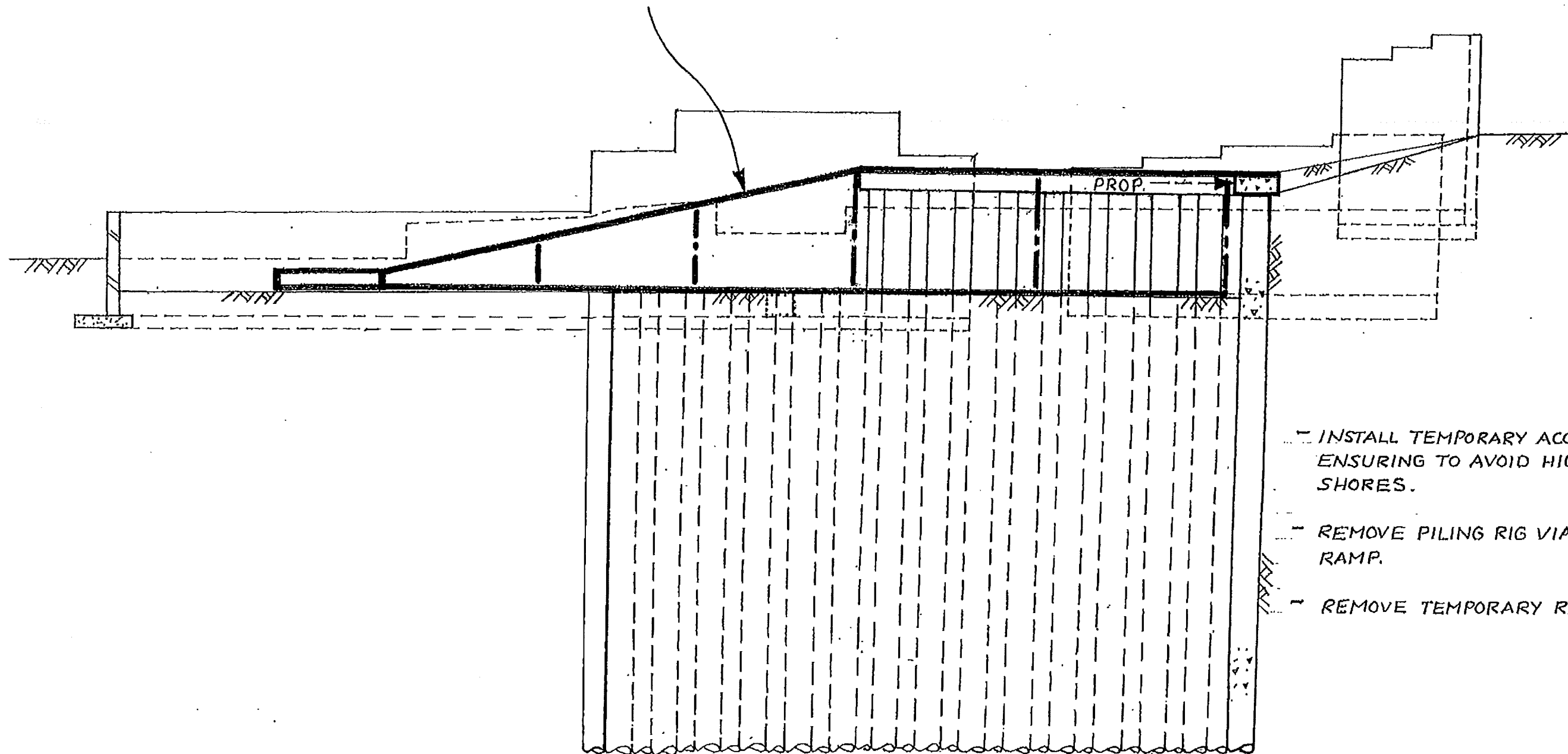
drawing no

SK/305

revision

P1

TEMPORARY ACCESS RAMP.



INSTALL TEMPORARY ACCESS RAMP
ENSURING TO AVOID HIGH LEVEL FLYING
SHORES.

REMOVE PILING RIG VIA TEMPORARY
RAMP.

REMOVE TEMPORARY RAMP.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING** 7 of 16

scale(s) date drawn

1:100 FEB'15 AAT

drawing status

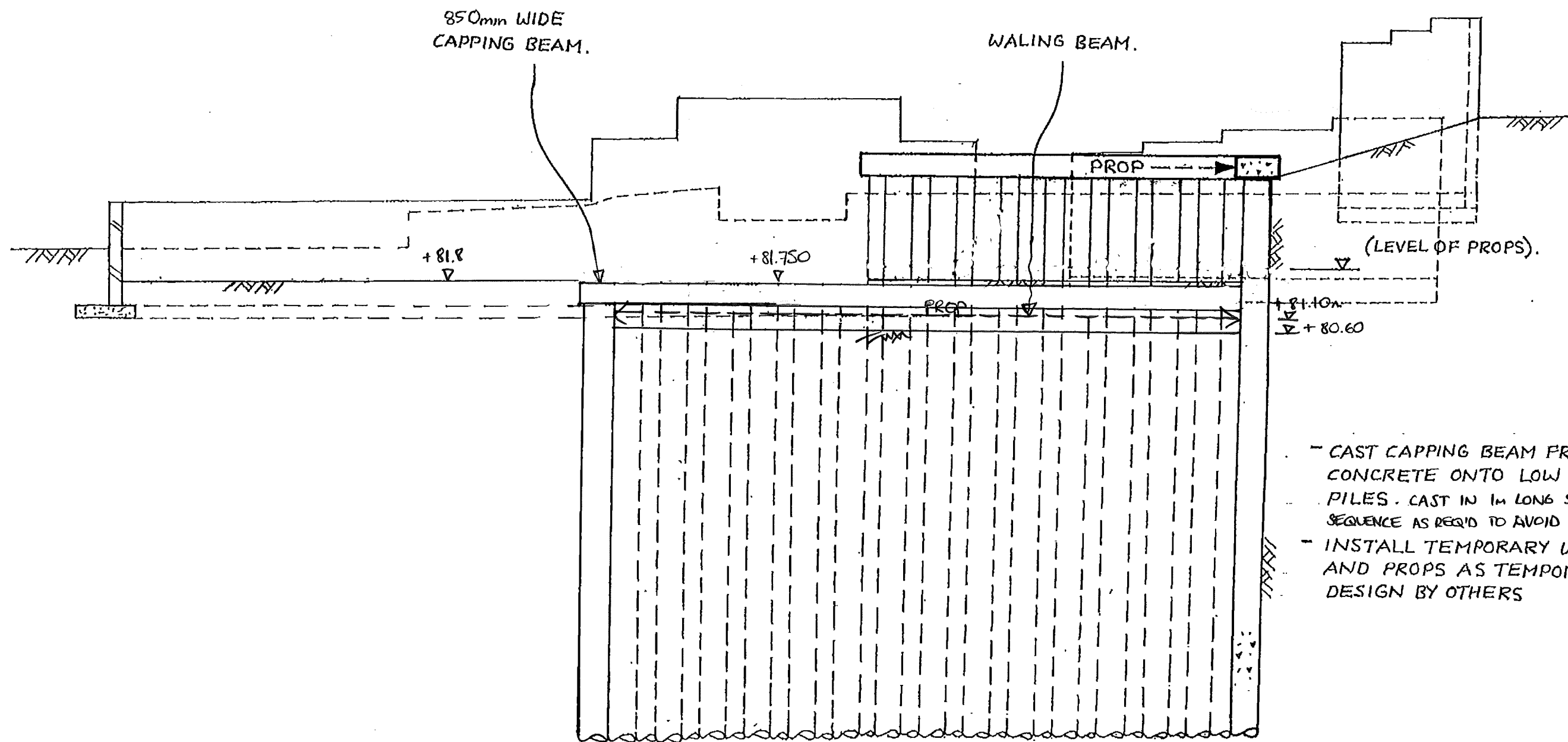
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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/306	P1



- CAST CAPPING BEAM FROM REINFORCED CONCRETE ONTO LOW LEVEL SECANT PILES. CAST IN 1m LONG SECTIONS IN UNDERPINNING SEQUENCE AS REQ'D TO AVOID UNDERMINING ADJ. STRUCTURES
- INSTALL TEMPORARY WALING BEAMS AND PROPS AS TEMPORARY WORKS - DESIGN BY OTHERS

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING 8 OF 16**

scale(s) date drawn
~1:100 FEB'15 AAT

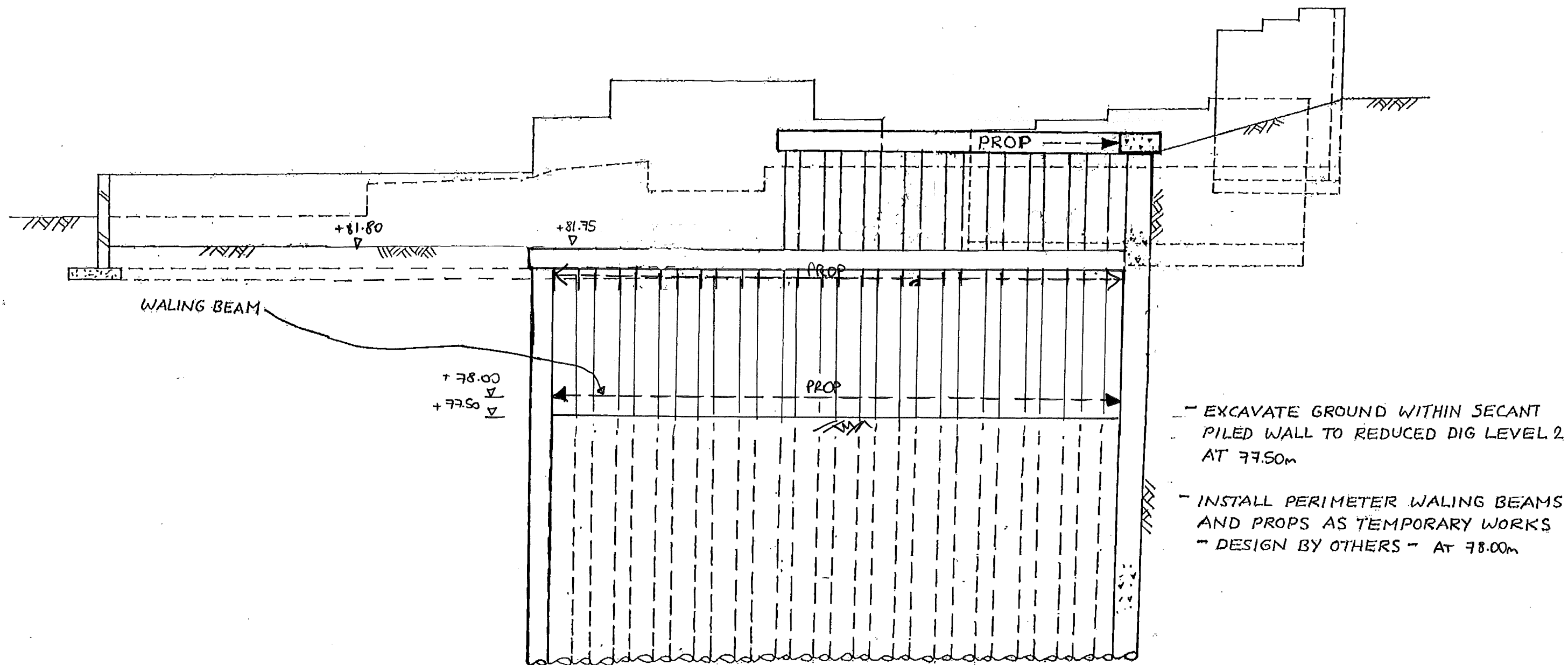
drawing status
PRELIMINARY

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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/307	P1



This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING 9 of 16**

scale(s) date drawn
1:100 FEB'15 AAT

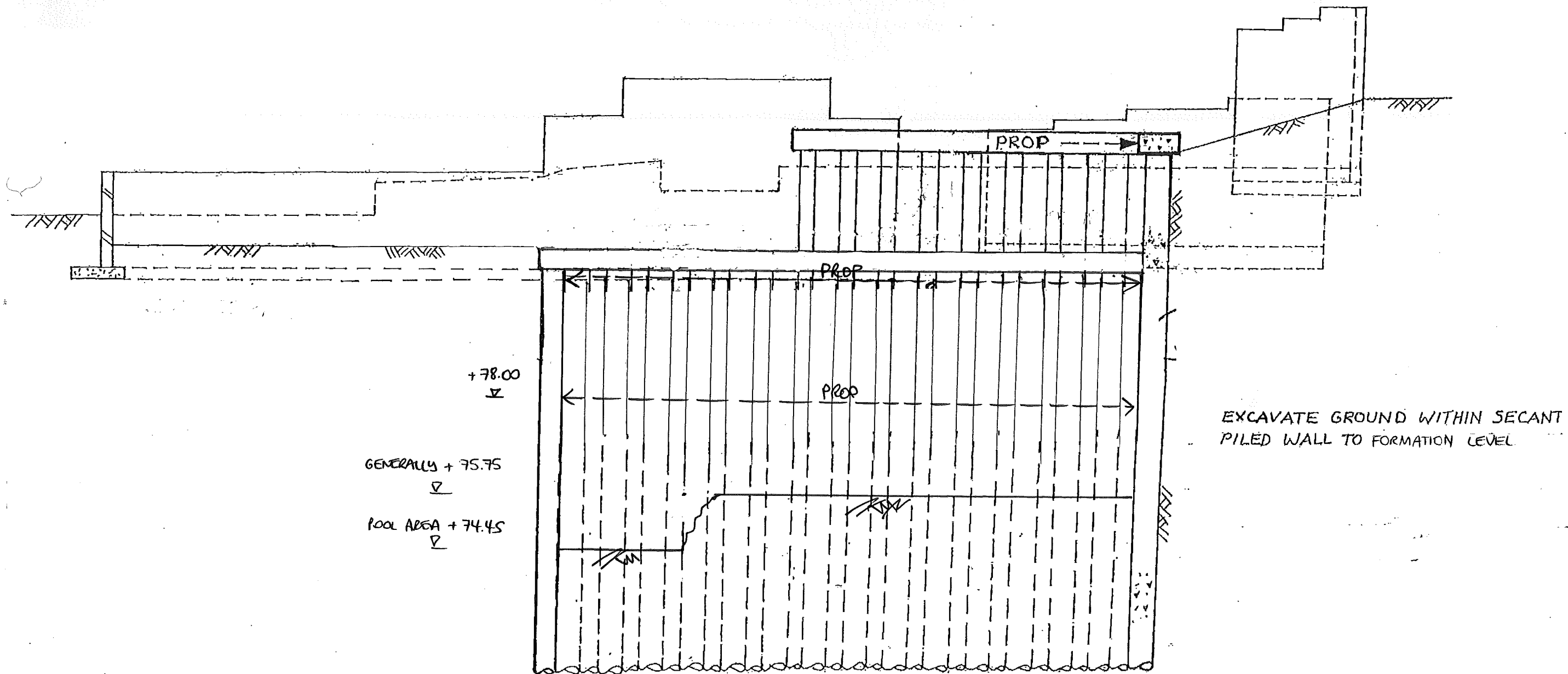
drawing status
PRELIMINARY

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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/308	P1



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Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING 10 OF 16**

scale(s) date drawn
1:100 FEB'15 AAT

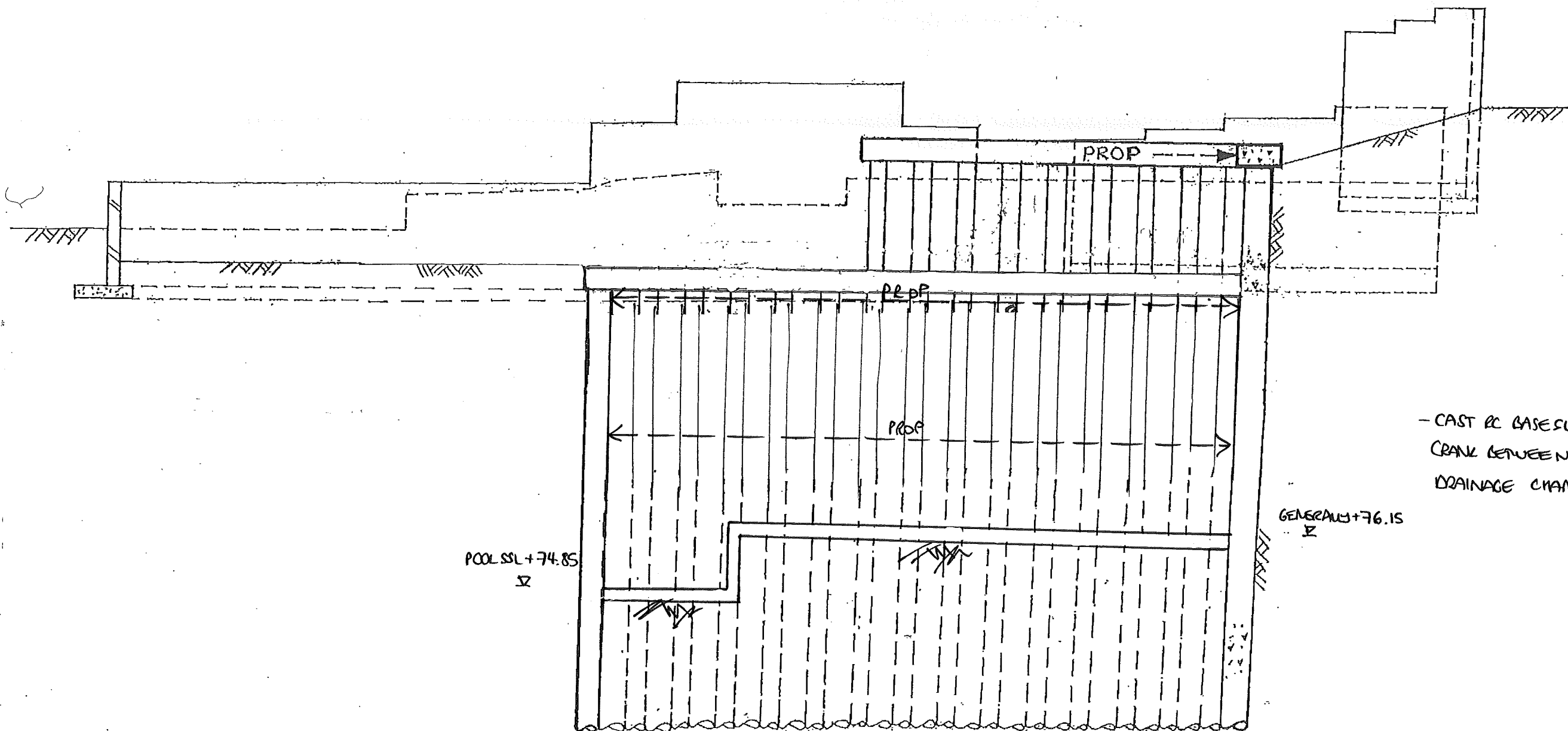
drawing status
PRELIMINARY

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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/309	P1



- CAST RC BASESLAB INCLUDING
CRANK BETWEEN LEVELS AND
DRAINAGE CHAMBERS.

This drawing is to be read in conjunction with all
relevant architects, engineers and specialists
drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING** 11 OF 16

scale(s) date drawn
1:100 FEB'15 AAT

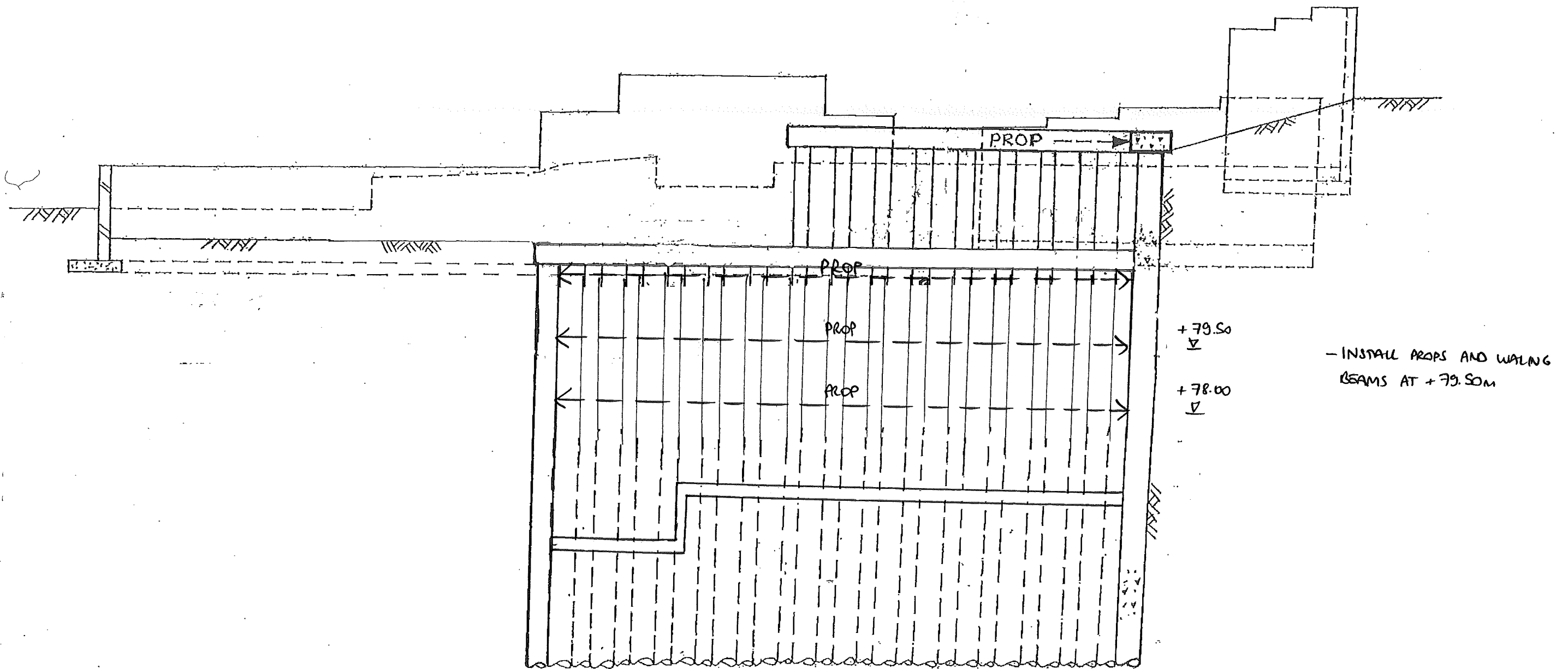
drawing status
PRELIMINARY

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Consulting Structural and Civil Engineers. www.elliottwood.co.uk
tel: (020) 8544 0033 fax: (020) 8544 0066 info@elliottwood.co.uk

job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/310	P1



This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING** 12 of 16

scale(s) date drawn
1:100 FEB'15 AAT

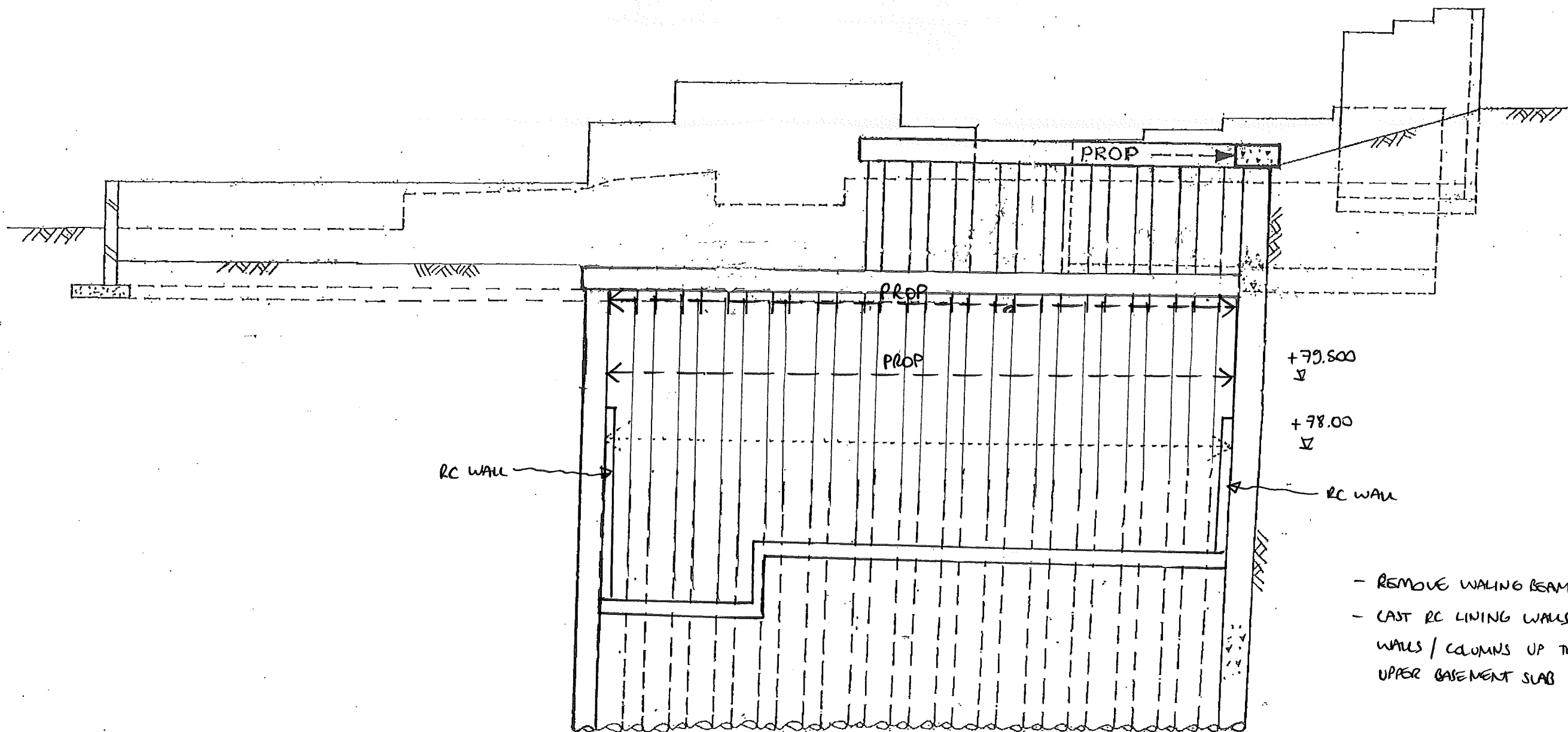
drawing status
PRELIMINARY

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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/311	P1



- REMOVE WALING BEAM AT +78.00
- CAST RC LINING WALLS AND INTERNAL WALLS / COLUMNS UP TO UNDERSIDE OF UPPER BASEMENT SLAB

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING 13 of 16**

scale(s) date drawn
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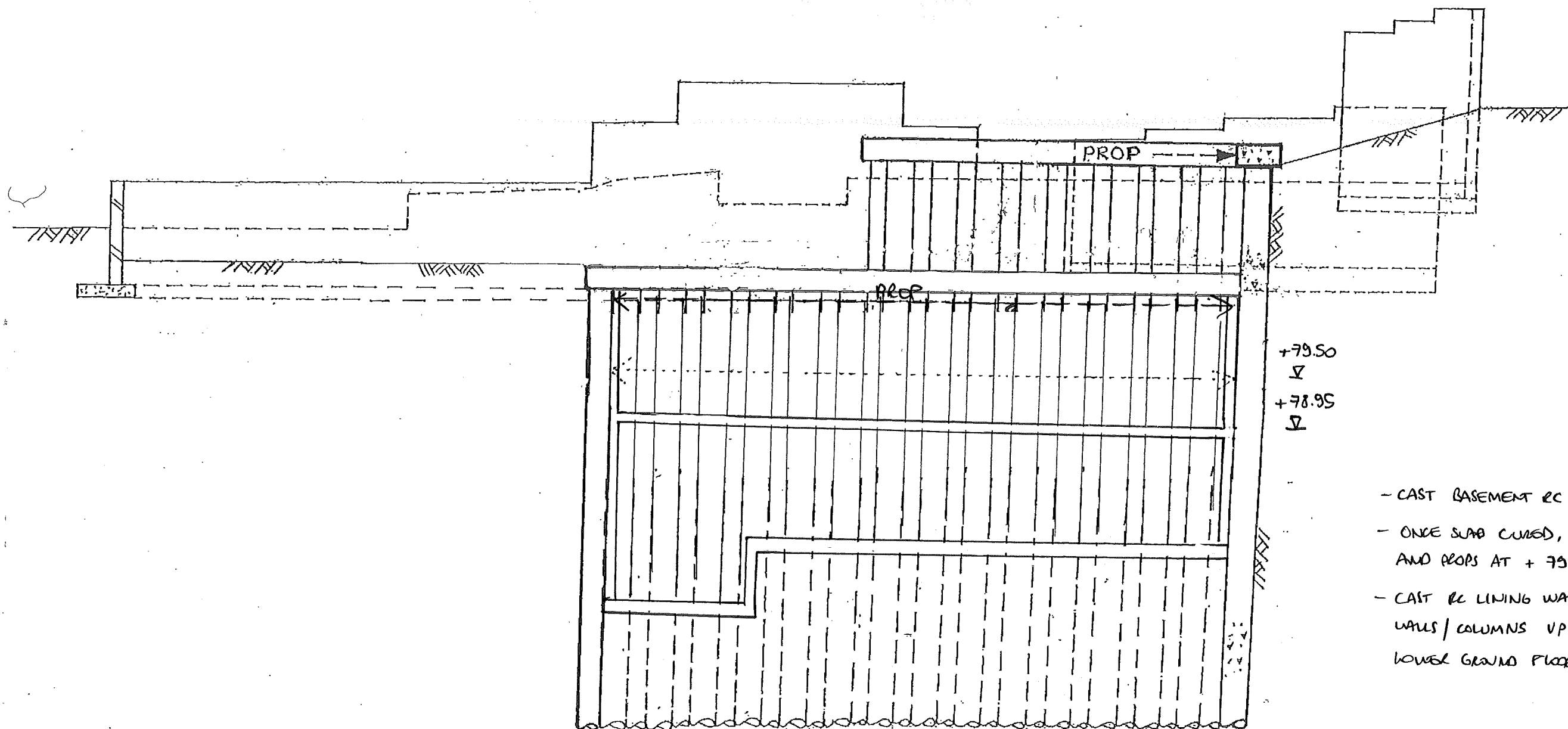
drawing status
PRELIMINARY

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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/312	P1



+79.50
▽
+78.95
▽

- CAST BASEMENT RC SLAB AT 78.95m
- ONCE SLAB CURED, REMOVE WALING BEAMS AND PROPS AT + 79.50m
- CAST RC LINING WALLS AND INTERNAL WALLS / COLUMNS UP TO UNDERSIDE OF LOWER GROUND FLOOR SLAB

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING**
14 of 16

scale(s) date drawn
1:100 FEB'15 AAT

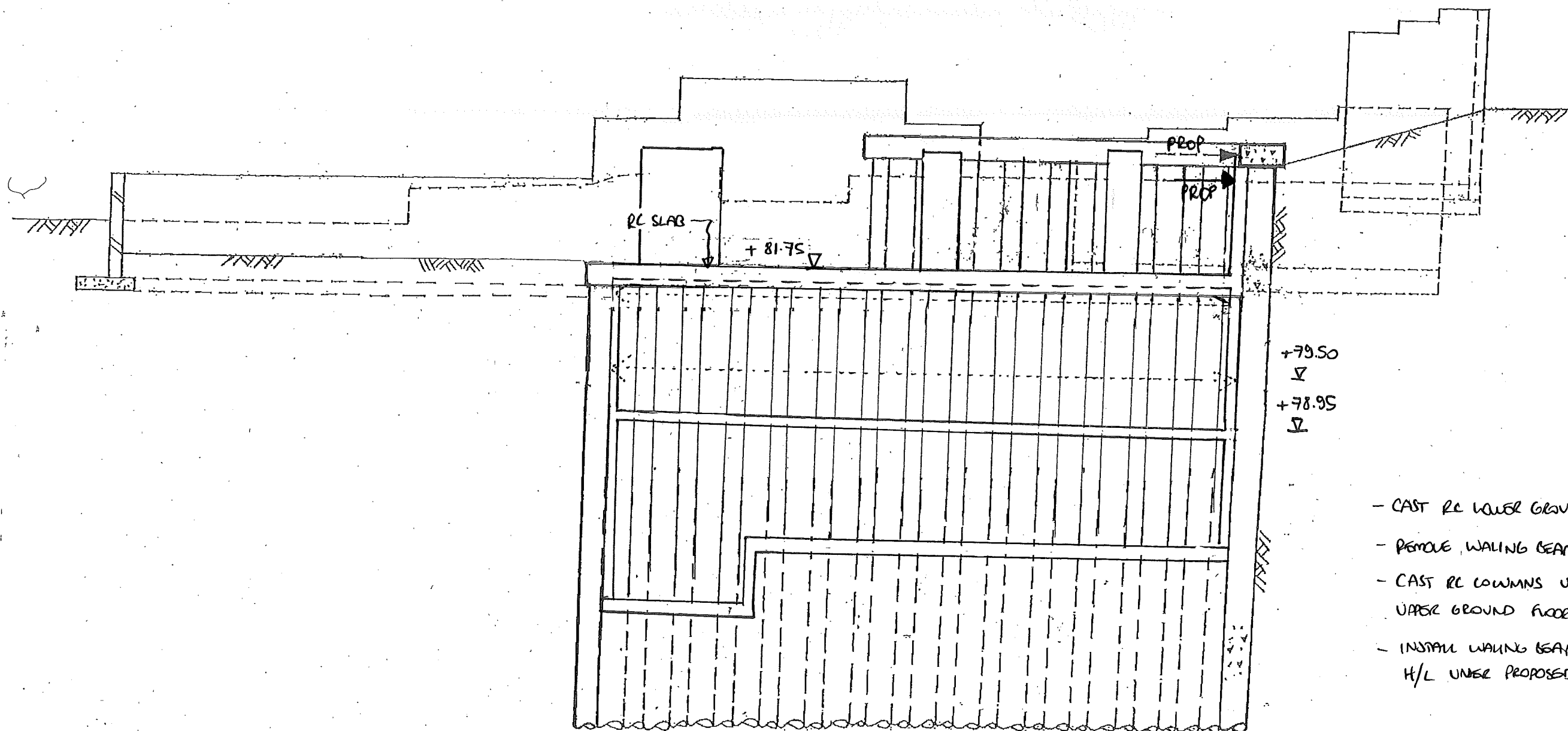
drawing status
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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/313	P1



- CAST RC LOWER GROUND FLOOR SLAB AT +81.75m
- REMOVE WALING BEAMS AND PROPS AT +81.10m
- CAST RC COLUMNS UP TO UNDERSIDE OF UPPER GROUND FLOOR SLAB
- INSTALL WALING BEAMS AND PROPS AT H/L UNDER PROPOSED UPPER GROUND SLAB.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING**
15 OF 16

scale(s) date drawn
1:100 FEB'15 AAT

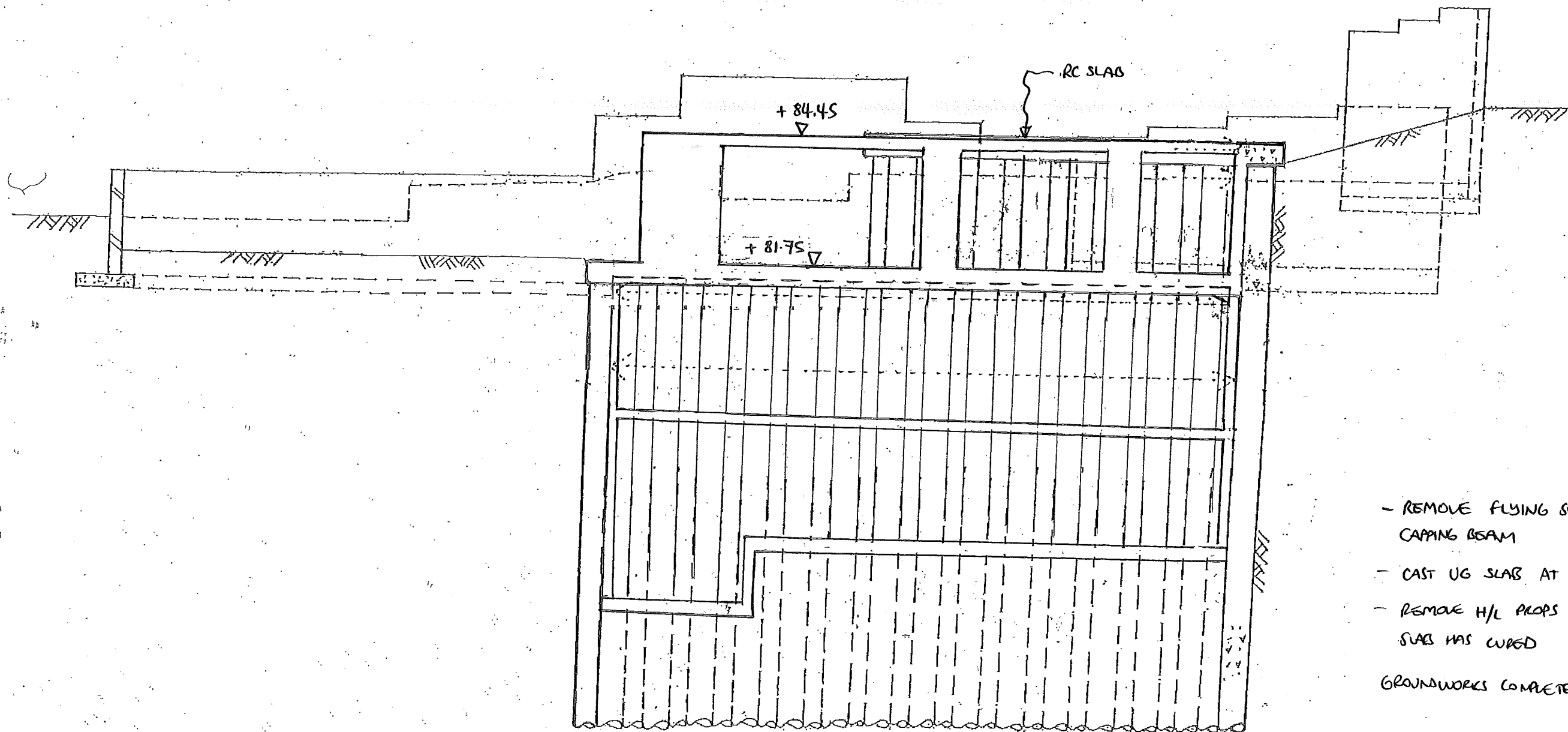
drawing status
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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/314	P1



- REMOVE FLYING SHOES TO UG CAPPING BEAM
 - CAST UG SLAB AT +84.45m
 - REMOVE H/L PROPS BELOW SLAB ONCE SLAB HAS CURED
- GROUNDWORKS COMPLETE

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
**LONG SECTION 2
SEQUENCING**
16 OF 16

scale(s) date drawn
1:100 FEB'15 AAT

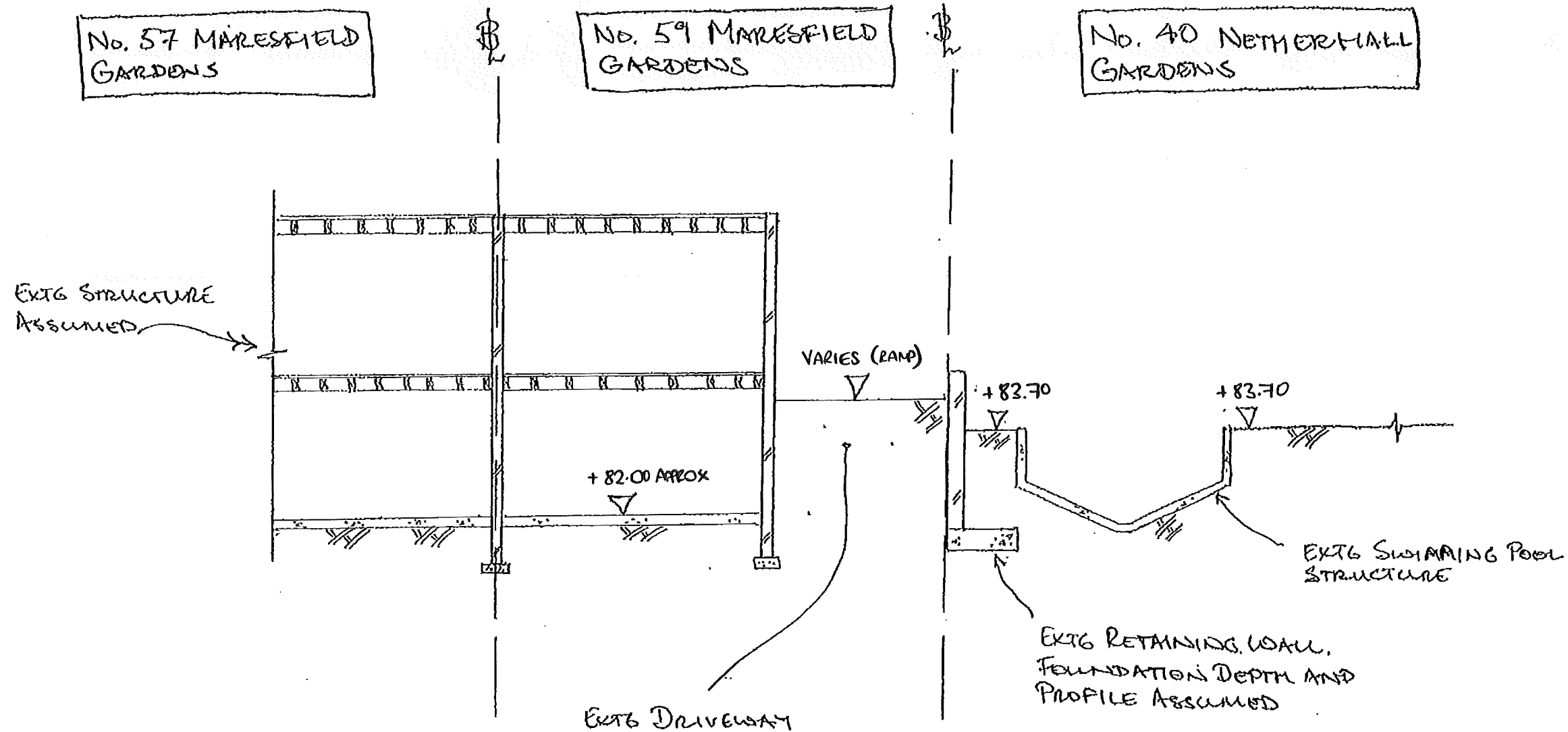
drawing status
PRELIMINARY

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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/315	P1



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Do not scale from this drawing.

rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
1 of 16

scale(s) date drawn
~1:100 FEB'15 AAT

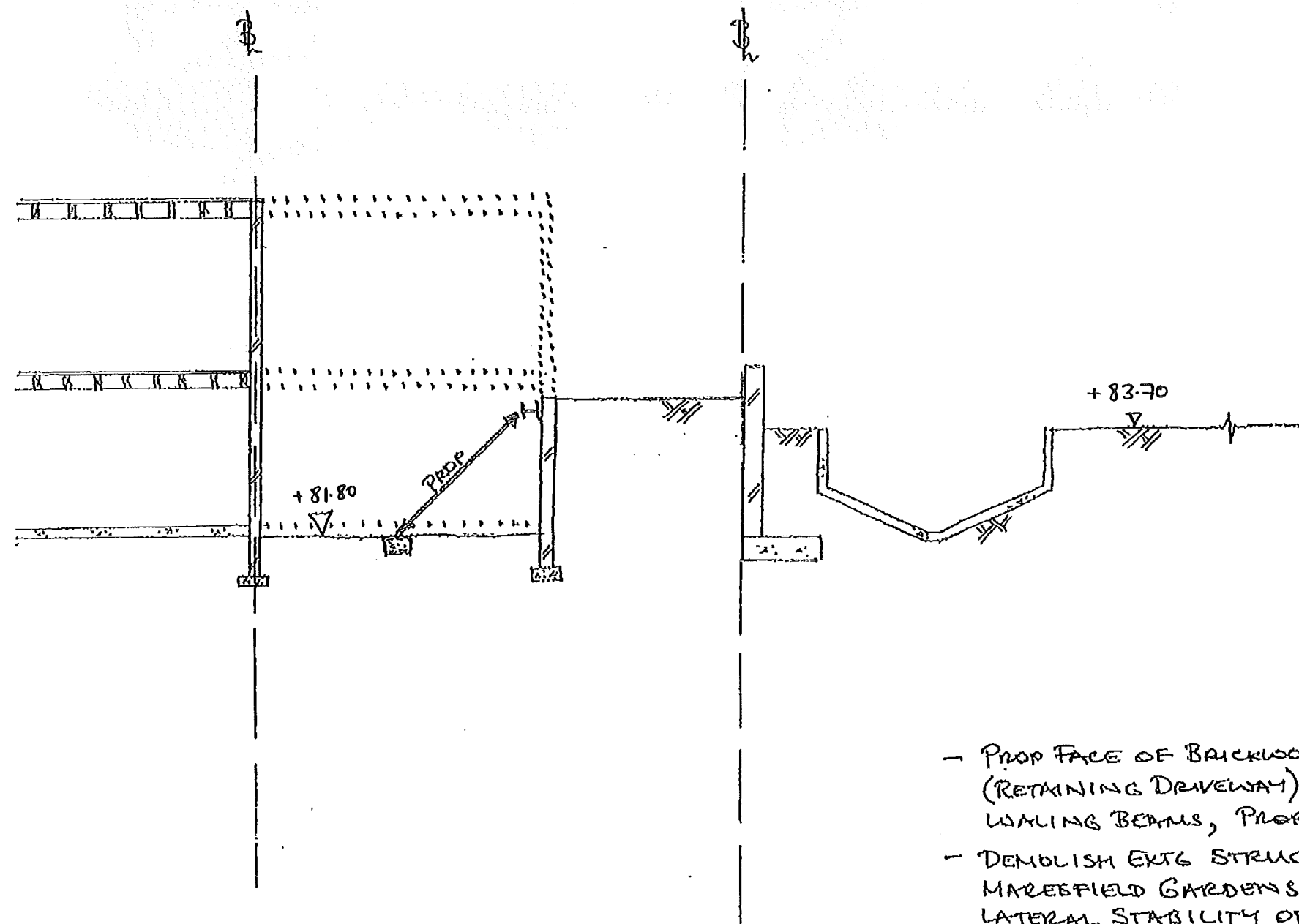
drawing status
PRELIMINARY

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job title
59 MARESFIELD GARDENS, LONDON

job no	drawing no	revision
2150020	SK/400	P1



- PROP FACE OF BRICKWORK RETAINING WALL (RETAINING DRIVEWAY) AS REQUIRED WITH WALING BEAMS, PROPS AND THRUST BLOCKS.
- DEMOLISH EXTG STRUCTURE AT NO 59 MARESFIELD GARDENS ENSURING THAT LATERAL STABILITY OF ADJACENT STRUCTURE IS PROVIDED THROUGH TEMPORARY WORKS AS REQUIRED PENDING FURTHER INVESTIGATIONS.
- LEVEL GROUND (NOT INCLUDING DRIVEWAY) TO + 81.80m

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

Do not scale from this drawing.

rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING

2 OF 16

scale(s) date drawn

~1:100 FEB'15 AAT

drawing status

PRELIMINARY

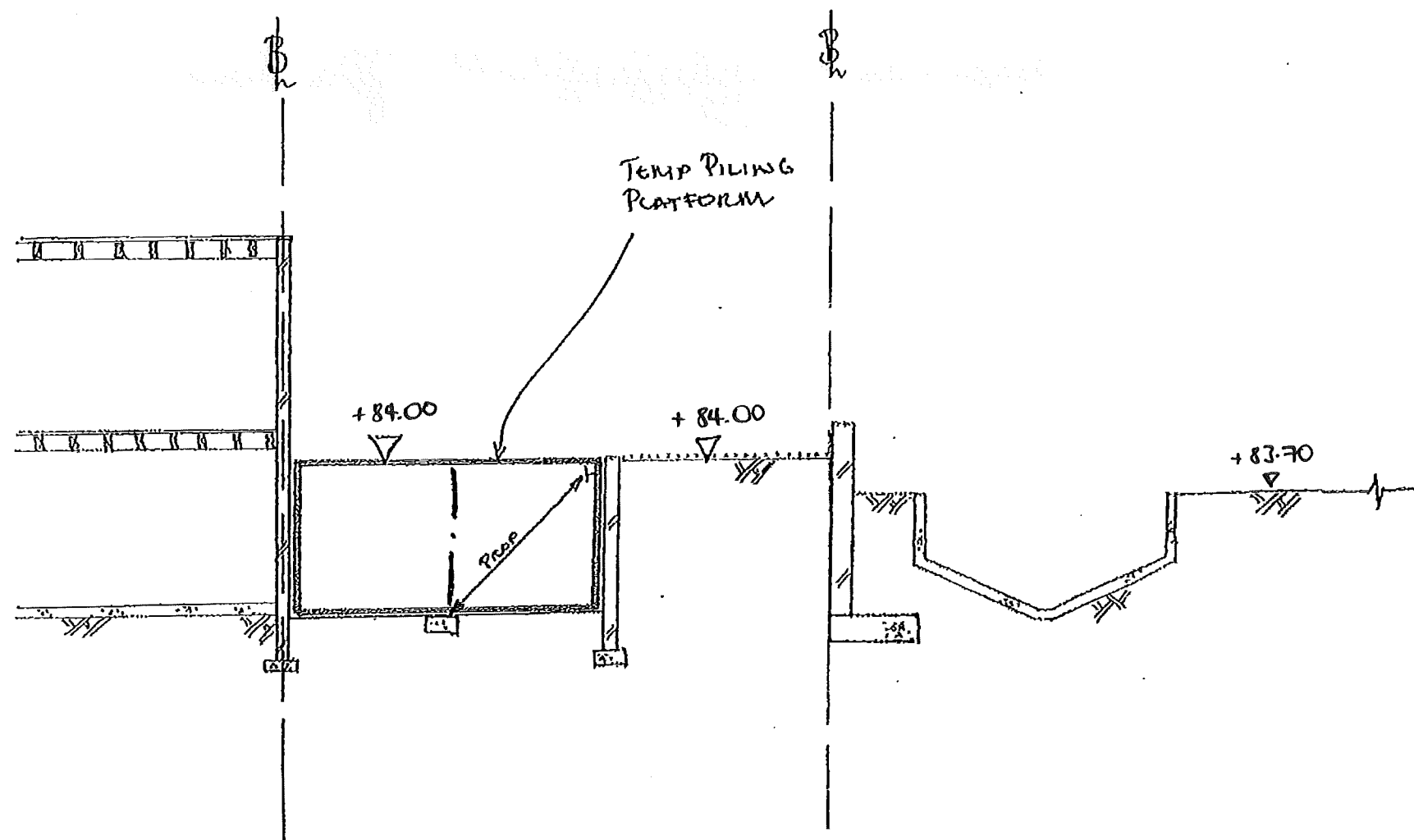
elliottwood

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tel: (020) 8544 0033 fax: (020) 8544 0066 info@elliottwood.co.uk

job title

59 MARESFIELD GARDENS, LONDON

job no	drawing no	revision
2150020	SK/401	P1



- INSTALL TEMPORARY PILING PLATFORM (AND TEMPORARY ACCESS RAMP) - DESIGN BY OTHERS
- REDRESS DRIVE LEVEL TO + 84.00m

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
3 OF 16

scale(s) date drawn
~1:100 FEB'15 AAT

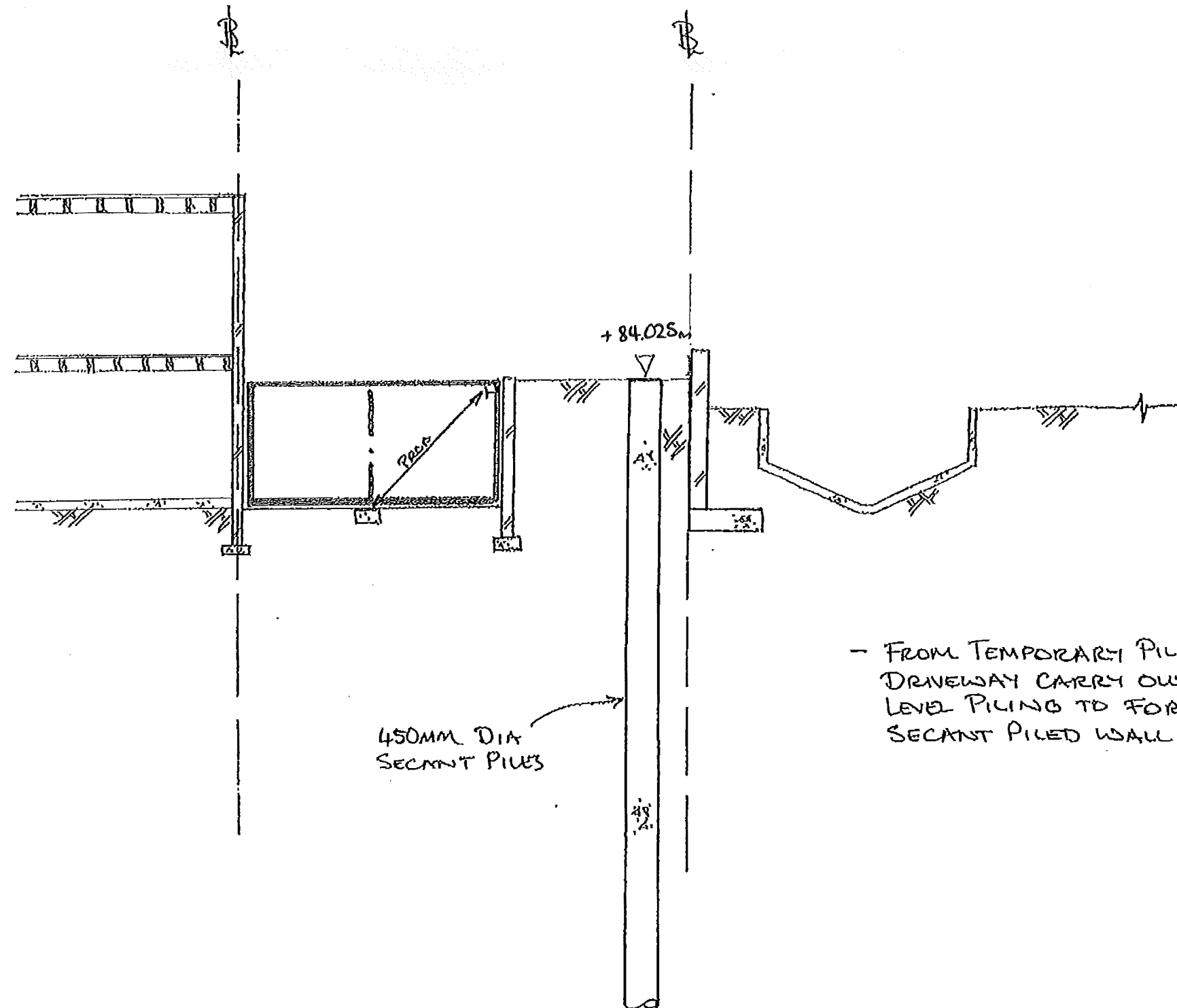
drawing status
PRELIMINARY

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Consulting Structural and Civil Engineers. www.elliottwood.co.uk
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job title
59 MARESFIELD GARDENS, LONDON

job no	drawing no	revision
2150020	SK/402	P1



This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
4 OF 16

scale(s) date drawn
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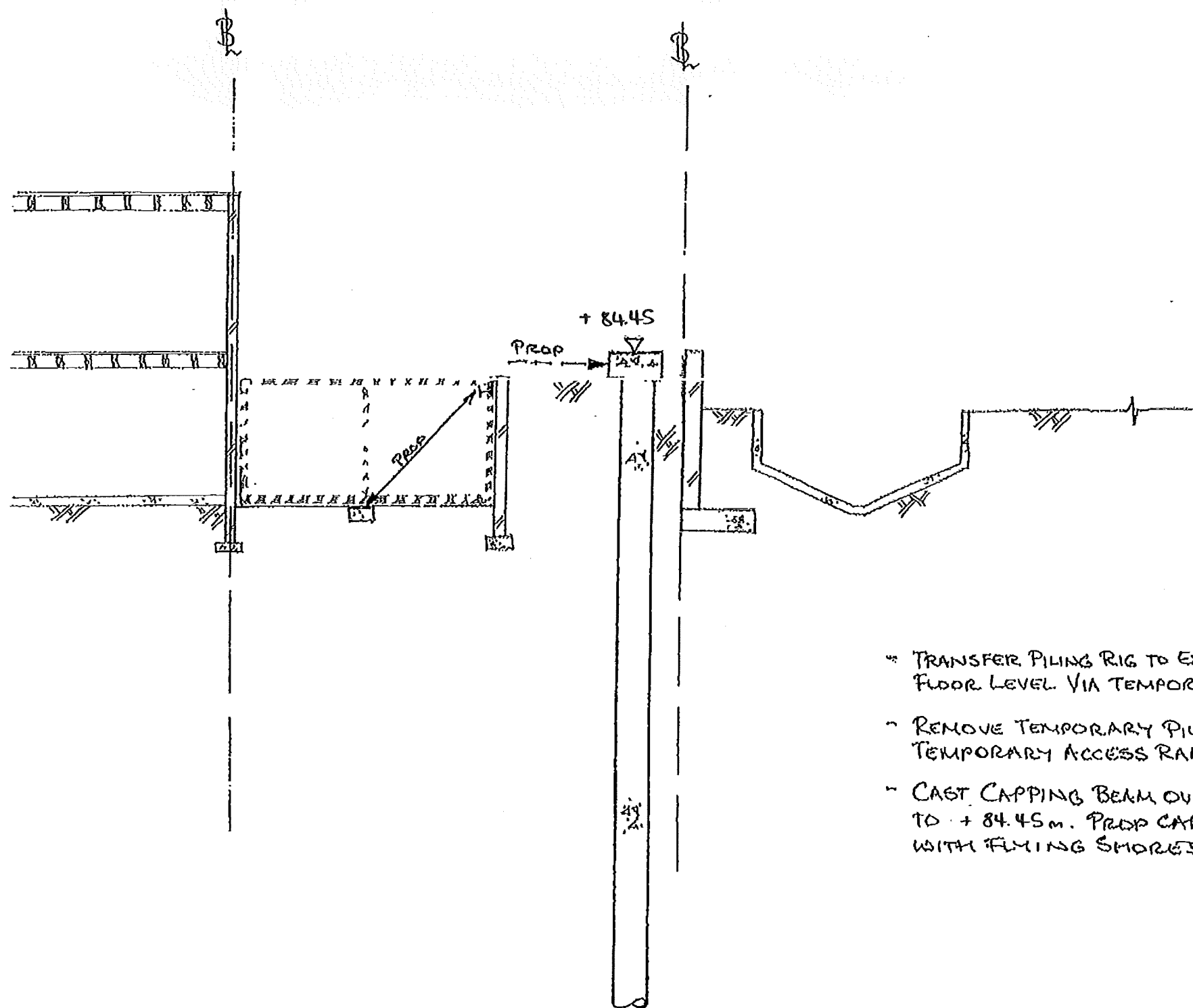
drawing status
PRELIMINARY

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job title
59 MARESFIELD GARDENS, LONDON

job no	drawing no	revision
2150020	SK/403	P1



- TRANSFER PILING RIG TO EXTG LOWER GROUND FLOOR LEVEL VIA TEMPORARY ACCESS RAMP
- REMOVE TEMPORARY PILING PLATFORM AND TEMPORARY ACCESS RAMP.
- CAST CAPPING BEAM OVER HIGH LEVEL PILES TO + 84.45 m. PROP CAPPING BEAM WITH FLYING SHORES - BY OTHERS.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
5 of 16

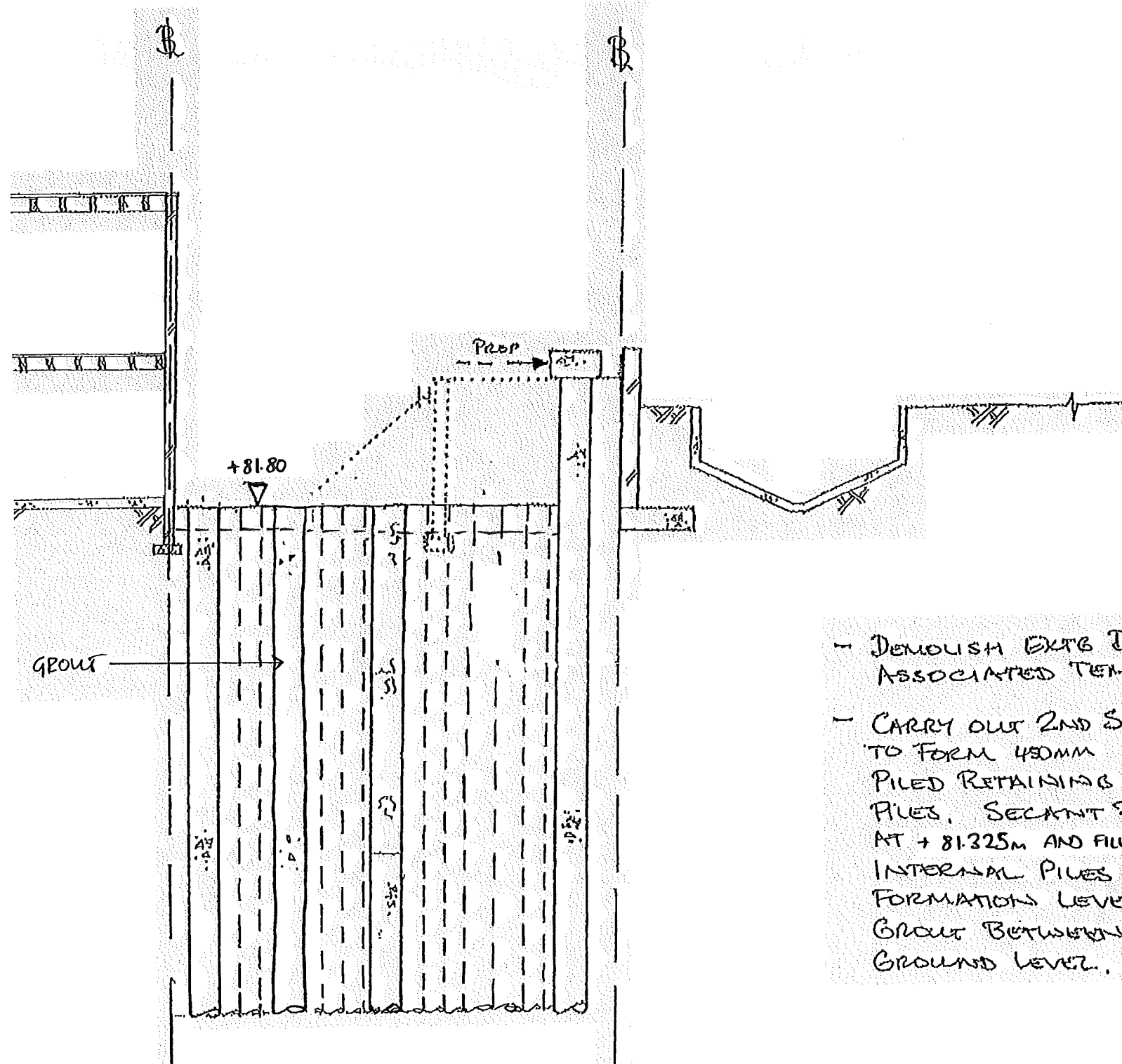
scale(s) date drawn
~1:100 FEB'15 AAT
drawing status
PRELIMINARY

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Consulting Structural and Civil Engineers. www.elliottwood.co.uk
tel: (020) 8544 0033 fax: (020) 8544 0066 info@elliottwood.co.uk

job title
59 MARESFIELD GARDENS, LONDON

job no	drawing no	revision
2150020	SK/404	P1



- DEMOLISH EXTB DRIVEWAY AND REMOVE ASSOCIATED TEMPORARY PROPPING.
- CARRY OUT 2ND STAGE LOW LEVEL PILING TO FORM 450MM DIAMETER SECANT PILED RETAINING WALL AND INTERNAL PILES. SECANT PILES TO BE CUT OFF AT +81.325M AND FILLED WITH GROUT TO GROUND LEVEL. INTERNAL PILES TO BE CUT OFF AT FORMATION LEVEL AND FILLED WITH GROUT BETWEEN CUT OFF AND GROUND LEVEL.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
6 OF 16

scale(s) date drawn
~1:100 FEB'15 AAT

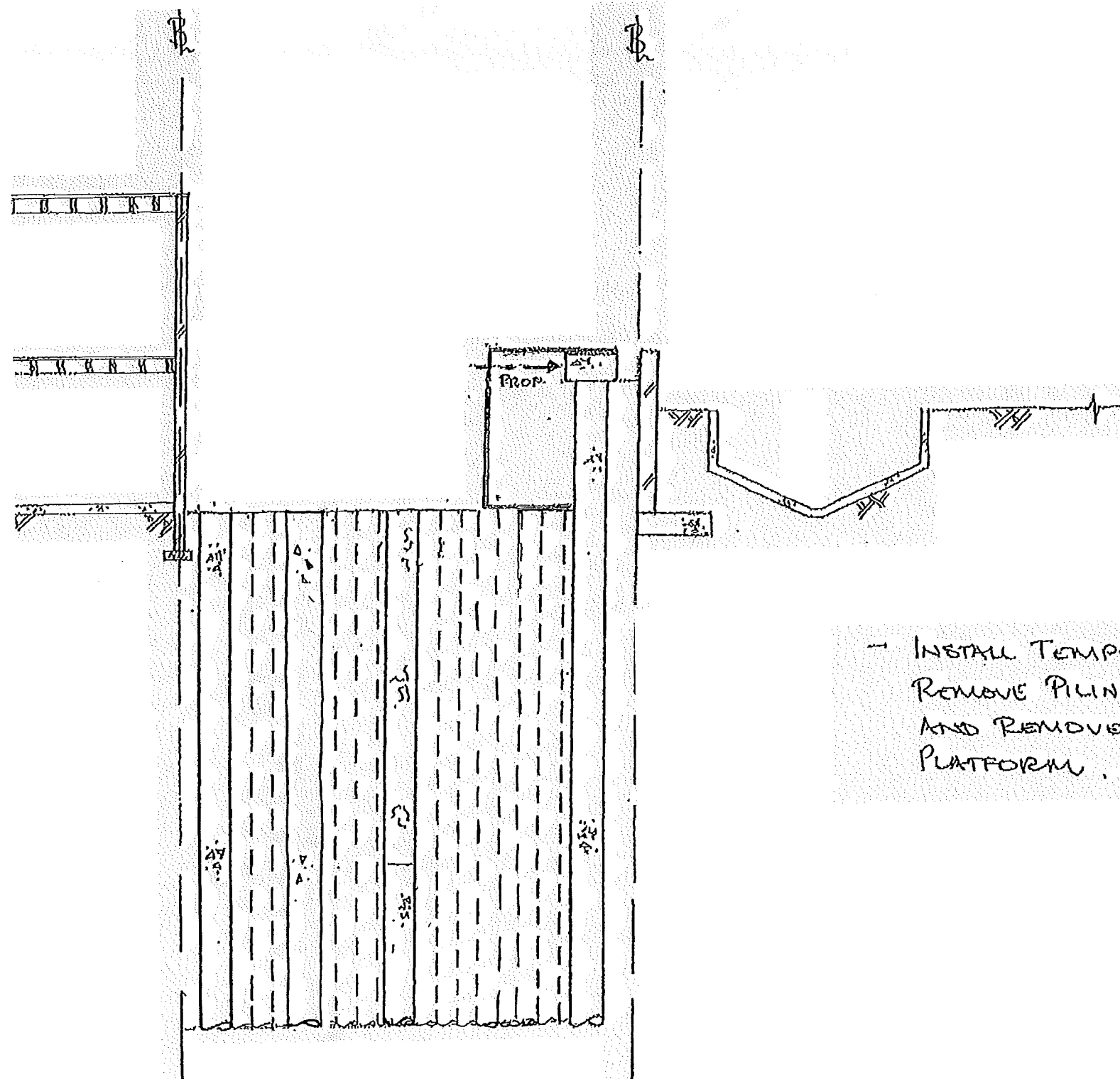
drawing status
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job title
59 MARESFIELD GARDENS, LONDON

job no	drawing no	revision
2150020	SK/405	P1



— INSTALL TEMPORARY RAMP / PLATFORM
 REMOVE PILING RIG VIA PLATFORM
 AND REMOVE TEMPORARY RAMP /
 PLATFORM.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
 Do not scale from this drawing.

rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
7 OF 16

scale(s) date drawn
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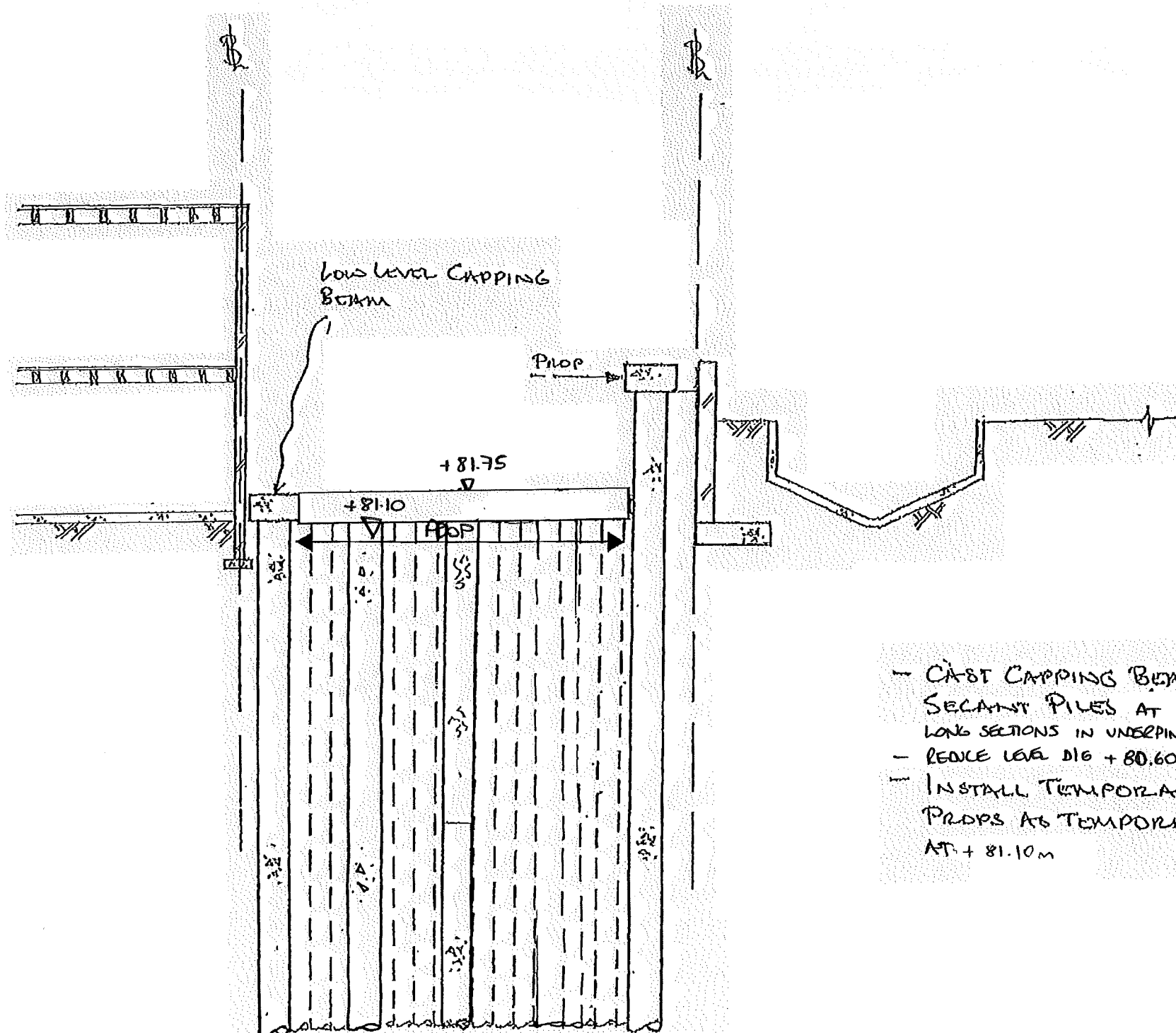
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job title
**59 MARESFIELD
 GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/406	P1



- CAST CAPPING BEAM ON TO LOW LEVEL. SECANT PILES AT TDC +81.750m. CAPPING BEAM CAST IN 1m LONG SECTIONS IN UNDERPINNING IF REQ'D TO ENSURE ADJ. STRUCTURES NOT UNDERMINED.
- REDUCE LGA DIG +80.60m
- INSTALL TEMPORARY WALING BEAMS AND PROPS AS TEMPORARY WORKS (BY OTHERS) AT +81.10m

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
8 OF 16

scale(s) date drawn
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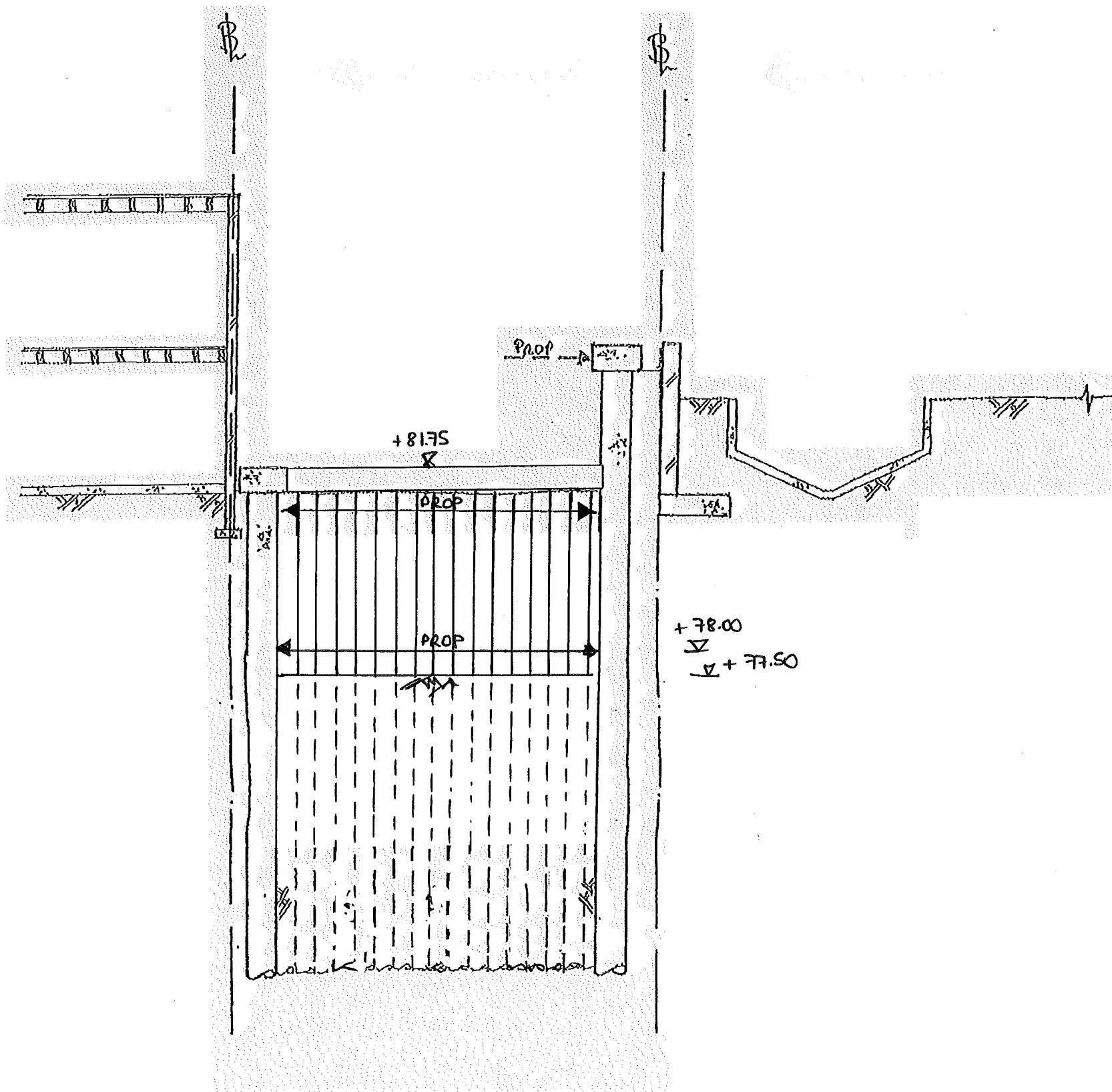
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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/407	P1



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Do not scale from this drawing.

rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
9 of 16

scale(s) date drawn
~1:100 FEB'15 AAT

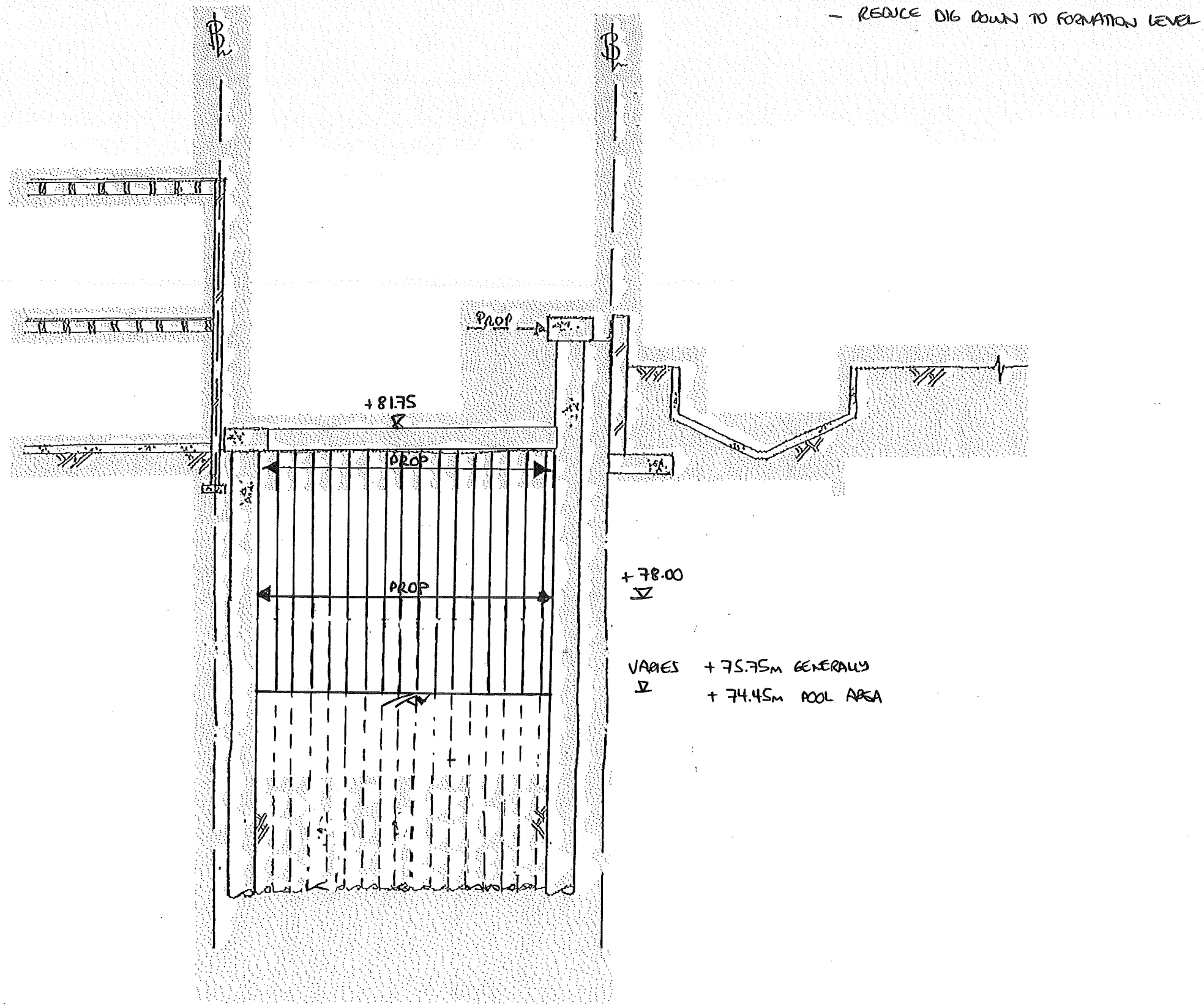
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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/408	P1



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Do not scale from this drawing.

rev	date	by	chk	description

drawing title

SHORT SECTION SEQUENCING

10 OF 16

scale(s)

date

drawn

~1:100

FEB'15

AAT

drawing status

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job title

59 MARESFIELD
GARDENS, LONDON

job no

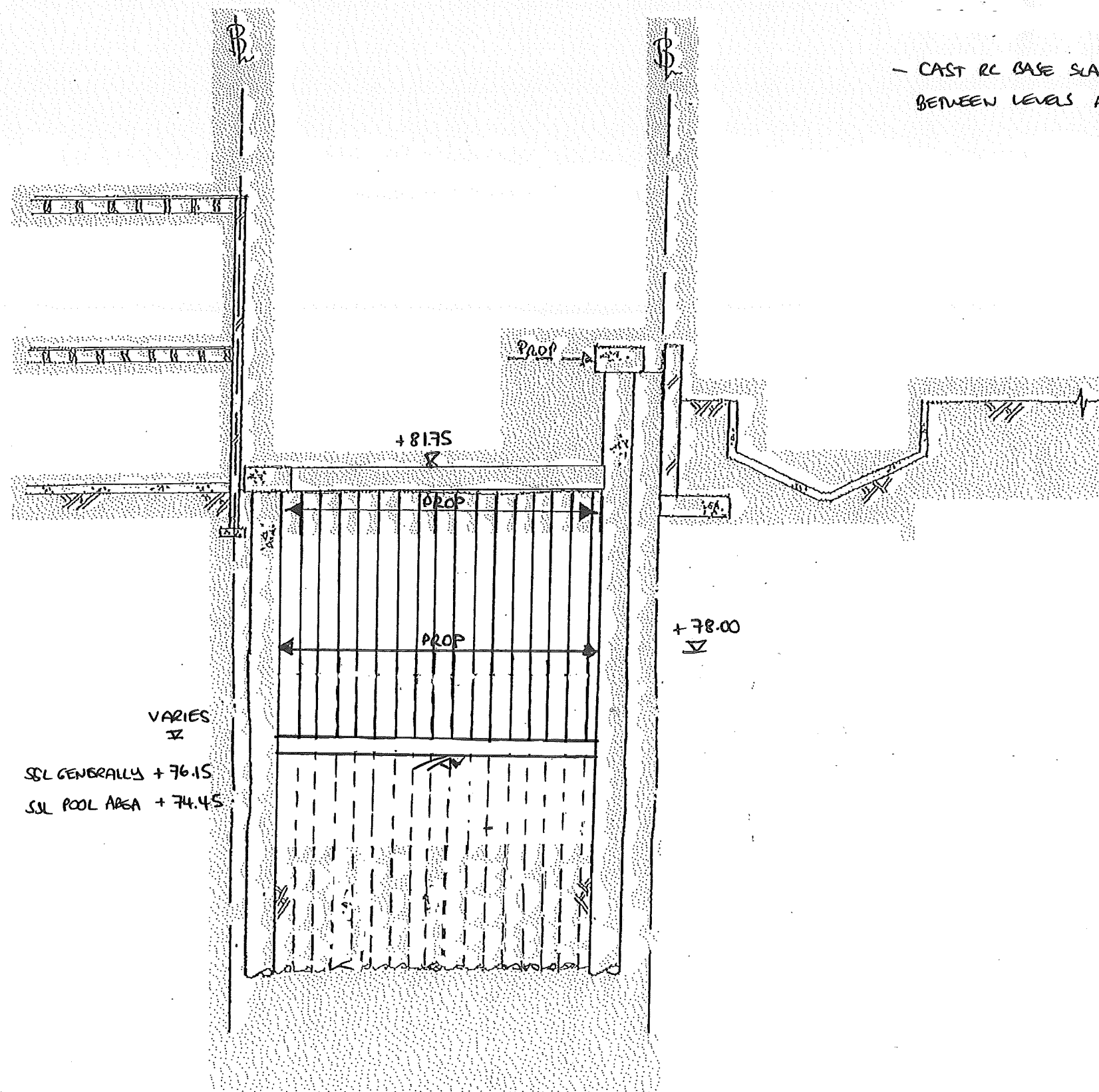
2150020

drawing no

SK/409

revision

P1



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rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
11 of 16

scale(s) date drawn
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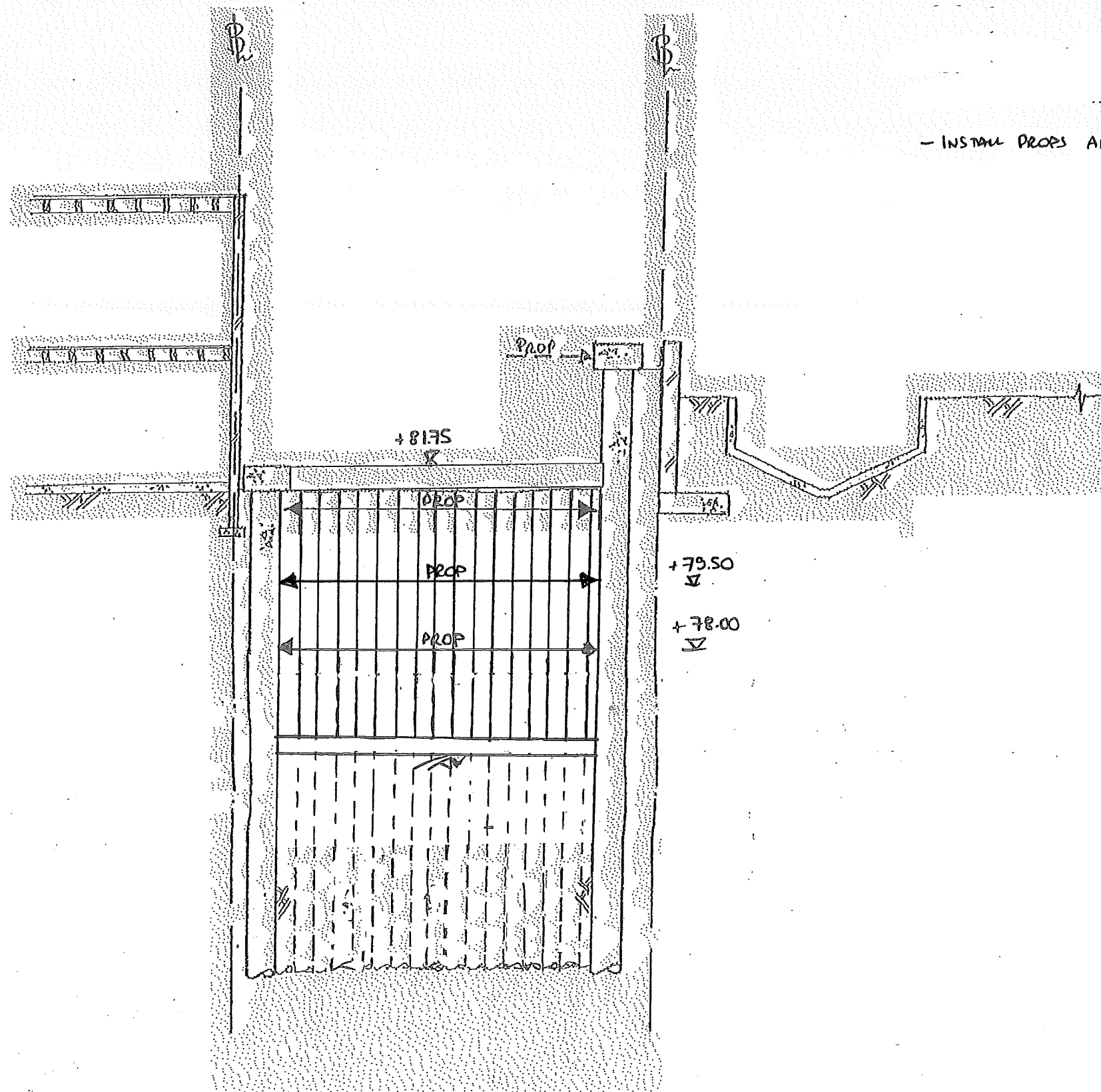
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job title
59 MARESFIELD GARDENS, LONDON

job no	drawing no	revision
2150020	SK/410	P1



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rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
12 OF 16

scale(s) date drawn
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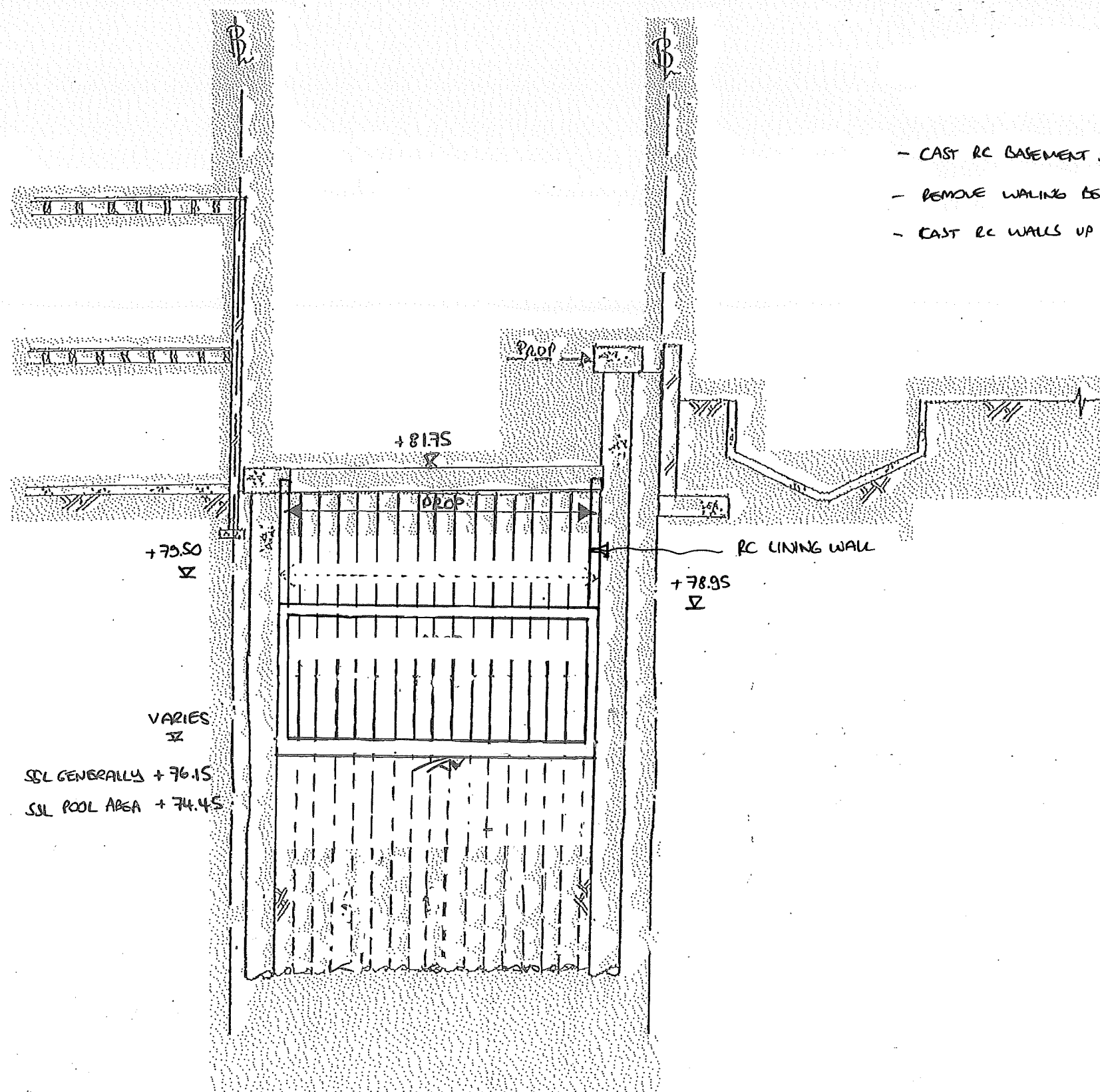
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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/411	P1



- CAST RC BASEMENT SLAB AT 78.95m
- REMOVE WALING BEAMS AND PROPS AT 79.50m ONCE SLAB HAS CURED.
- CAST RC WALLS UP TO UNDERSIDE OF LOWER GROUND FLOOR SLAB.

+75.50
▽
VARIES
SSL GENERALLY +76.15
SSL POOL AREA +74.45

RC LINING WALL
+78.95
▽

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

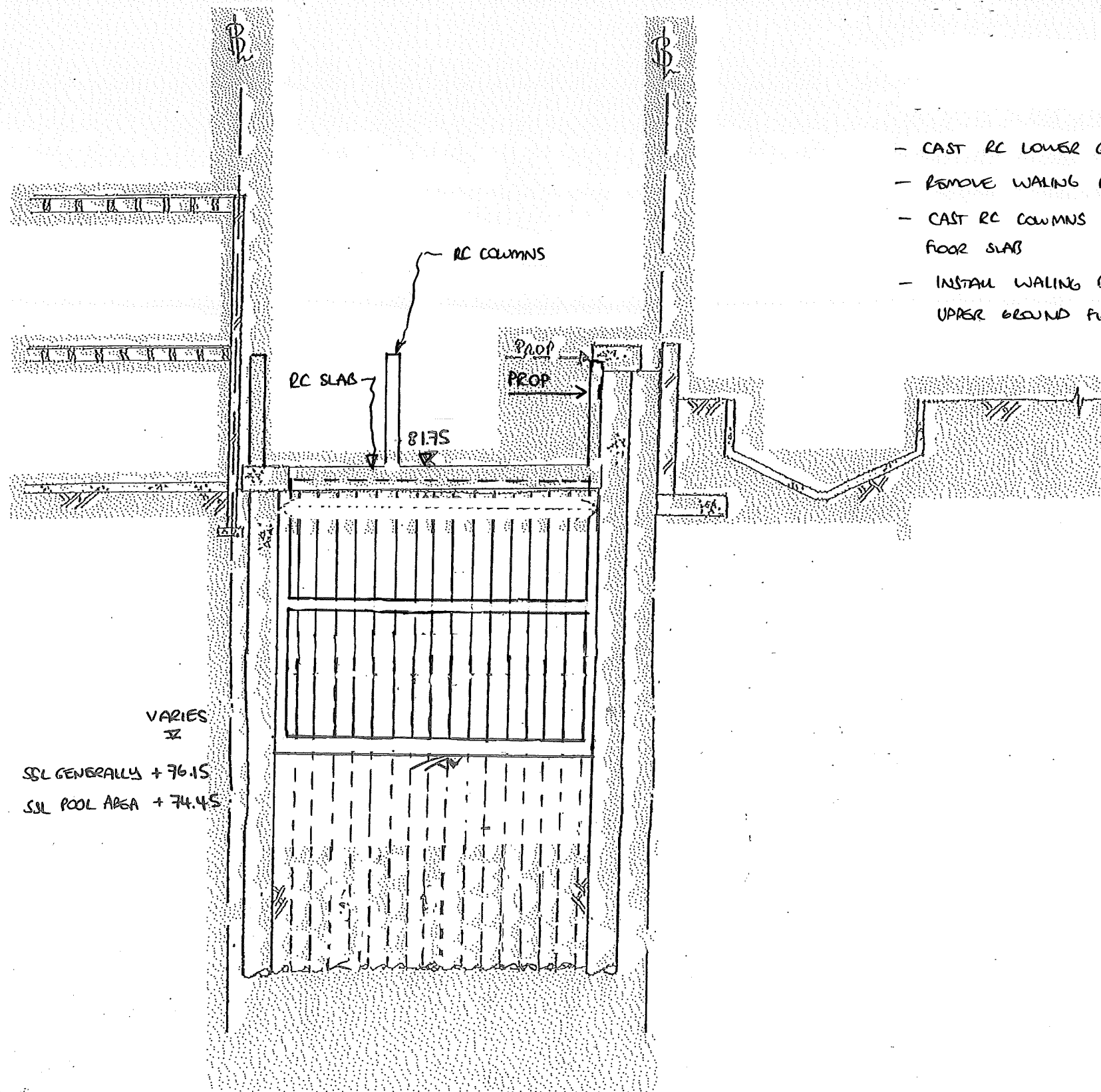
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SHORT SECTION SEQUENCING
14 of 16
scale(s) date drawn
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drawing status
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job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/413	P1



- CAST RC LOWER GROUND FLOOR SLAB AT + 81.75m
- REMOVE WALING BEAMS AND PROPS AT + 81.10m
- CAST RC COLUMNS UP TO UNDERSIDE OF UPPER GROUND FLOOR SLAB
- INSTALL WALING BEAMS AND PROPS AT LEVEL BELOW UPPER GROUND FLOOR SLAB LEVEL.

VARIES
 SSL GENERALLY +76.15
 SSL POOL AREA +74.45

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
 Do not scale from this drawing.

rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
 15 OF 16

scale(s) date drawn
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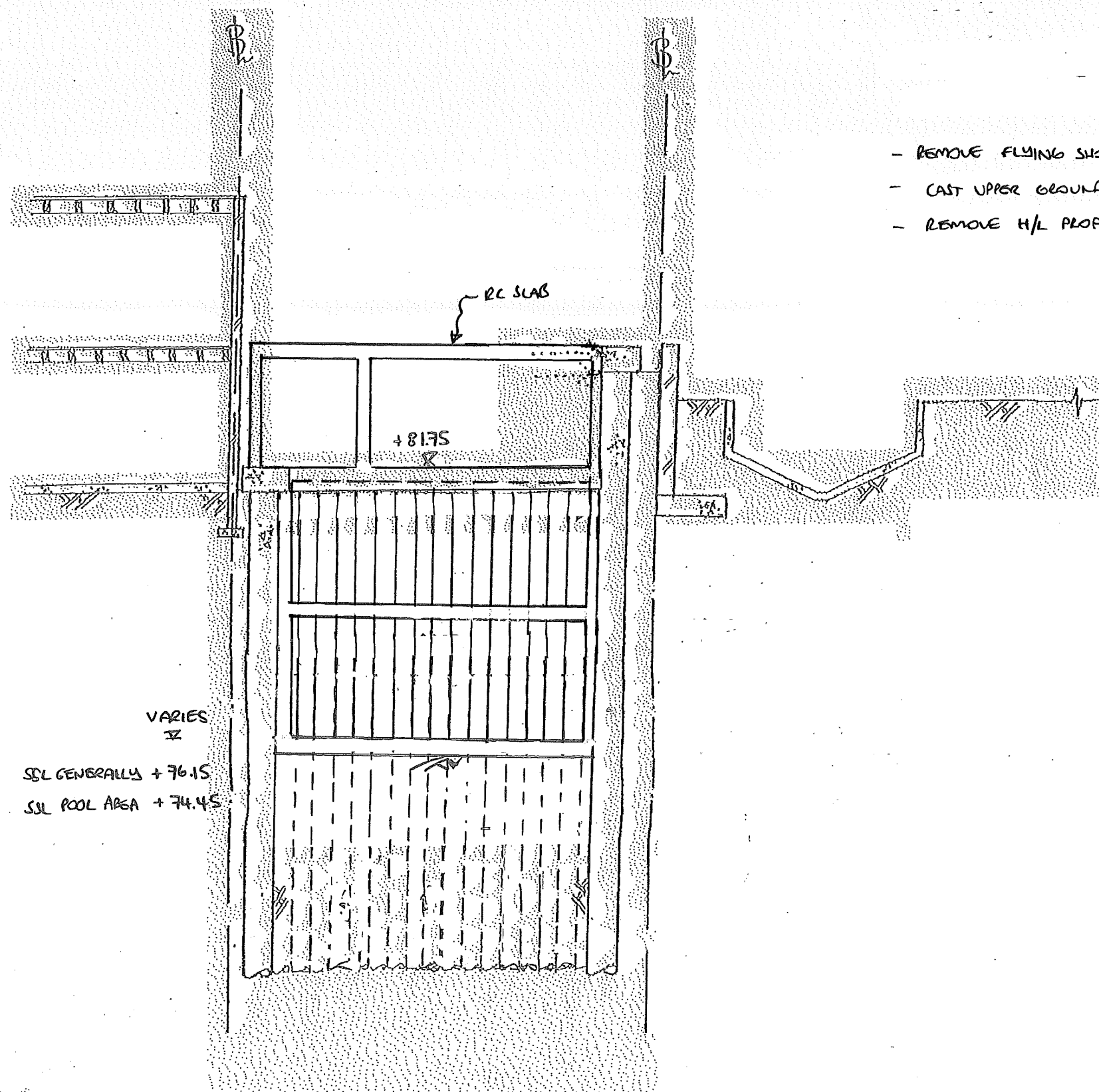
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job title
**59 MARESFIELD
 GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/414	P1



- REMOVE FLYING SHORES TO UG CAPPING BEAM
- CAST UPPER GROUND FLOOR SLAB AT +84.45M
- REMOVE H/L PROPS BELOW UG SLAB ONCE THE SLAB HAS CURED

VARIES
SSL GENERALLY +76.15
SSL POOL AREA +74.45

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
Do not scale from this drawing.

rev	date	by	chk	description

drawing title
SHORT SECTION SEQUENCING
16 of 16

scale(s) date drawn
~1:100 FEB'15 AAT

drawing status
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tel: (020) 8544 0033 fax: (020) 8544 0066 info@elliottwood.co.uk

job title
**59 MARESFIELD
GARDENS, LONDON**

job no	drawing no	revision
2150020	SK/415	P1

Appendix C: Waterflow PLC CCTV Drainage Survey



PETER DEER AND ASSOCIATES
55-59 MARESFIELD GARDENS
LONDON, NW3 5TE

JANUARY 14TH 2009
SN: 33255

**CCTV
SURVEY REPORT**





Waterflow Plc
12-16 David Road, Poyle Trading Estate
Colnbrook, SL3 0DG
Tel: 01753 810 999, Fax: 01753 681 442

IMPORTANT - PLEASE READ

The information contained in this report indicates the condition of the pipes and sewers surveyed. This may show a variety of faults, some affecting the structure, some affecting the service and operation.

*In all cases **Waterflow** will be able to help you achieve the solution you require.*

FOR HELP AND ASSISTANCE PLEASE CALL :

CCTV DEPT. - 01753-810999

SURVEY GUIDELINES

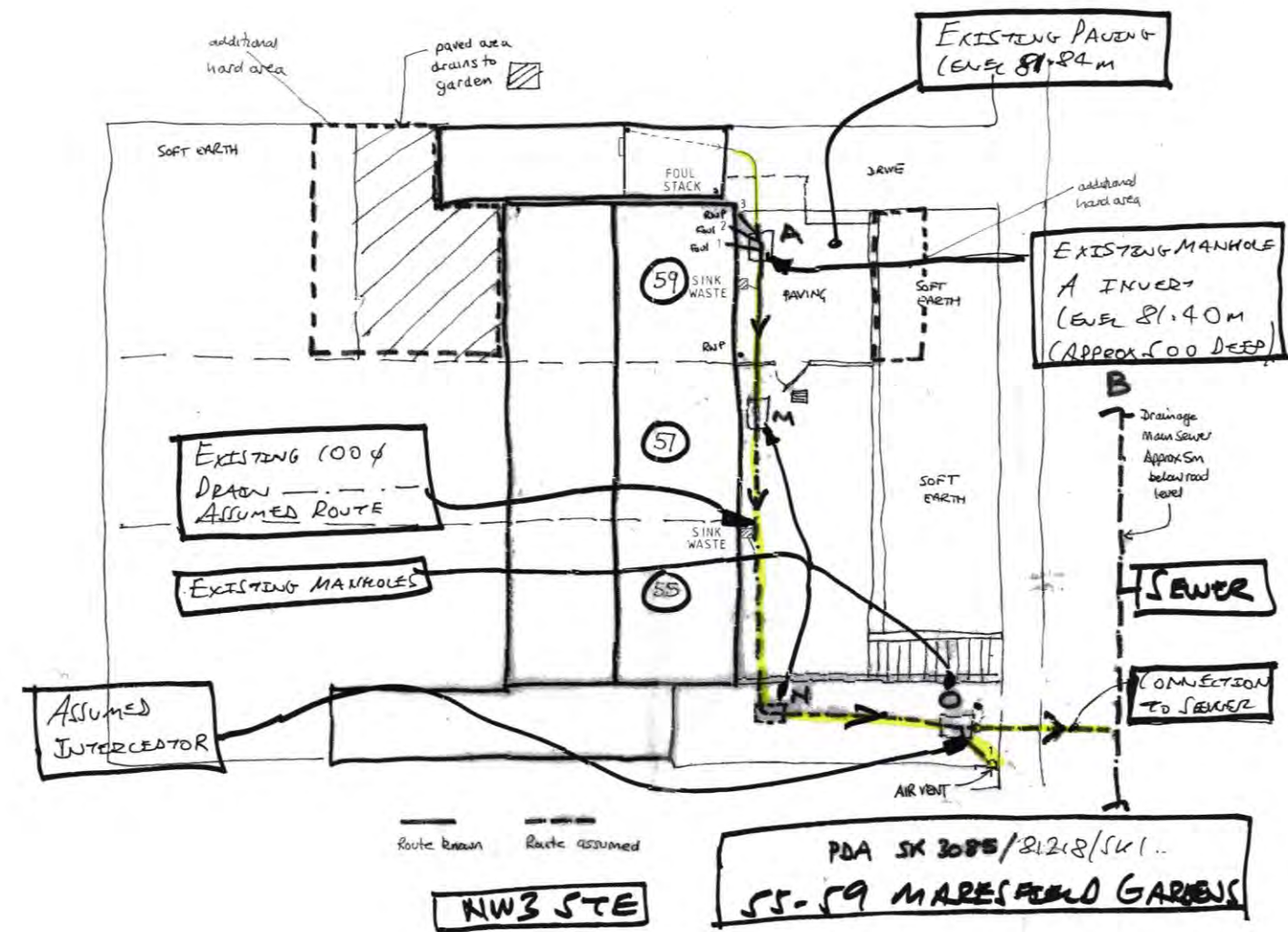
The report that follows gives details of our findings having surveyed each individual section of drainage as directed.

Each page of the report is dedicated to one length of drainage from start of survey to the completion. At the bottom of each page is a summary which is intended as a brief guide to the fault or remedial works required. This information is given to assist the client in any decision they may have to make with regard to maintenance or repair. *NO LIABILITY* of any kind shall attach to **Waterflow** as a result of the production of this T.V. Survey Report and its contents.

NOTE

Video counter numbers are intended as a guide only. Counter calibration varies according to the type of machine used.

№ 3 3 2 5 5



WATERFLOW

Waterflow Plc
13-14 Devil Road, Poole Trading Estate
Colnbrook, SL3 8DQ
Tel: 01494 610000 Fax: 01494 610001

REPORT

WATERFLOW 		PETER DEER AND ASSOCIATES		Waterflow Plc 12-16 David Road, Poyle Trading Estate Coimbrook, Slough SL3 8DG Tel: 01753 810 999, Fax: 01753 881 442	
Inspection report					
Date: 14/01/2009	Job No: 33255	Weather: Dry	Operator: DAVE SMOOTHY	Section Number: 1	PIR: MAIN RUN S
Present	Vehicle: H007 BKJ	Census: FLEX-PROBE	Present	Cleared No	Grade:

Road: 55-59 MAREFIELD GARDENS	Division: -	Start MH: MHA
Road: LONDON, NW3 8TE	District: -	End MH: MAIN RUN
Location: FRONT GARDEN	Tape No: 1	Total length: 5 m

Purpose: Use: Combined Catchment: -	Shape/Size: Material: Circular 100 Lining: Cast iron, Pipe length: Category:
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Comment: Location details:	TOTAL LENGTH ASSURED
-------------------------------	----------------------

1:25	position	code	observation
	MHA	ST	Start of Survey
	0.00	MH	Mannock Removal, MHA
	0.30	WL	Water level, 0 % height/diameter
	0.40	SI	ESI: Light Scale from 12 to 12 o'clock. Start, Remark: AND CORROSION
	2.95	SS	Line of Sewer deviates left, Remark: SHARP
	2.80	SA	Survey abandoned, Remark: DUE TO A SHARP DEVIATION

0.00	ST	Start of Survey
0.30	MH	Mannock Removal, MHA
0.40	WL	Water level, 0 % height/diameter
0.40	SI	ESI: Light Scale from 12 to 12 o'clock. Start, Remark: AND CORROSION
2.95	SS	Line of Sewer deviates left, Remark: SHARP
2.80	SA	Survey abandoned, Remark: DUE TO A SHARP DEVIATION

Structural Defects Service Defects	Constructional Features Miscellaneous Comments
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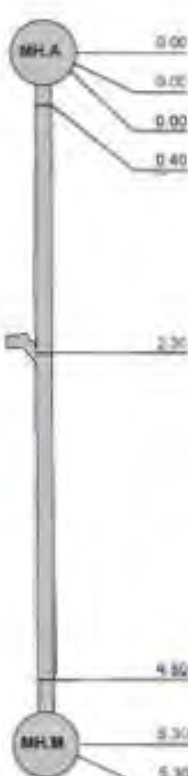


Waterflow Plc
12/18 David Ross, Poyle Trading Estate
Colbrook, SL3 0DG
Tel: 01753 845 888 Fax: 01753 821 545

SUMMARY

Unable to survey any further than 2.8m due to a sharp line deviation.
Specific defects: - Up to this point: - Cast iron pipe work lightly scaled
and corroded from 0.4m, recommend specialist scale cutting equipment
to restore full working diameter and a free flow condition.

Section 1 SN: 33255

		PETER DEER AND ASSOCIATES		Waterflow Plc 12-18 David Road, Poyle Trading Estate Coltnock, Stroud GL3 0DG Tel: 01793 810 989 Fax: 01793 881 442	
Inspection report					
Date 25/09/2009	Job N° 33258	Weather Dry	Operator DAVE SMOOTHY	section number 1	PLR MH.A X
Present:	Vehicle FOX7 BKJ	Camera FLEX-PROBE	Present	Cleaned No	Grade
Road: MAREFIELD GARDENS		Division: -		start MH MH.A	
Place: LONDON		District: -		end MH MH.M	
Location: FRONT GARDEN		Tape No. 1		Total length 5.3 m	
Purpose: Use Catchment			Shape/Size Material Lining Category		
Combined 			Circular 100 Vitrified clay Pipe length		
Comment					
Location details					
1-50	position	code	observation		
					
					
C 4 m 5					
Structural Defects			Constructional Features		
Remedial Defects			Miscellaneous Features		

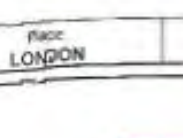
		PETER DEER AND ASSOCIATES		Waterflow Plc 12-16 David Road, Poyle Trading Estate Colnbrook, Slough SL3 6DG Tel: 01753 870 988 Fax: 01753 881 442	
Inspection photos					
Place LONDON	Road MARESFIELD GARDENS	Date 28/09/2009	section number 2	FLR MHA X	



Photo: 10a, Tape No.: 1
 0.4m, Fine Roots at joint



Waterflow Plc
12-16 David Road, Poyls Trading Estate
Colindale, N9 5 0DG
Tel: 01753 610 999 Fax: 01753 681 442

SUMMARY

Specific defects: - Fine root infiltration at 0.4m with debris deposits at 4.8m reducing the diameter of the pipe by 10%

Recommend specialist root-cutting equipment to restore full working diameter and a free flow condition.

Section 2 SN: 33255



PETER DEER AND ASSOCIATES
Waterflow Plc
12-16 David Road, Poyls Trading Estate
Colindale, N9 5 0DG
Tel: 01753 610 999 Fax: 01753 681 442

Inspection report

Date: 28/09/2009	Job No: 33255	Weather: Dry	Operator: DAVE SMOOTHY	Section number: 3	PLR: MHM X
Present	Vehicle: HAD7 BRJ	Camera: FLEX-PROBE	Preset:	Cleaned: No	Grade:

Road: MARESFIELD GARDENS	Division: -	Start MH: MHM
Place: LONDON	Distric: -	End MH: MAIN RUN
Location: FRONT GARDEN	Tape No: 1	Total length: 10 m

Purpose:	Shape/Size: Circular 100
Use: Combined	Material: Vitrified clay Pipe length:
Catchment:	Lining:
	Category:

Comment: MAIN RUN = MHM

Location details:

1/75	position	code	observation
Depth: 00.52			
	0.00	ST	Start of Survey
	0.00	MH	Manhole Remarks: MHM
	0.00	WL	Water level, 5 % heightGander
	1.80	CC	Cumferential Crack, from 12 to 02 o'clock
	4.20	JR	Junction at 03 o'clock dia 100mm
	6.80	DE	Debris, 10 % cross-sectional area loss. Remark: PUSHED TO MH IN & REMOVED
	9.80	LE	Line of Sewer deviated 90°, Remark: SLIGHT
	10.00	MH	Manhole Remarks: MHM
	10.00	PH	Finish Survey

Structural Defects	Constructional Features
Service Defects	Miscellaneous Features

		PETER DEER AND ASSOCIATES		Waterflow Plc 12-16 David Road, Poyle Trading Estate Colnbrook, Slough SL3 0DQ Tel: 01753 810 990, Fax: 01753 861 443	
Inspection report					
Date: 28/09/2008	Job No: 33256	Weather: Dry	Operator: DAVE SMOOTHY	Section number: 4	P.U.R: MH.N X
Present:	Vehicle: H007 BKJ	Camera: FLEX-PROBE	Present	Cleaned: No	Grade:

Road: MAREFIELD GARDENS Place: LONDON Location: FRONT GARDEN	Division: - District: - Tape No.: 1	start MH: MH.N end MH: MH.O Total length: 6.7 m
Purpose: Use: Combined Catchment: -		Shape/Size: Material: Lining: Category:
Circular 150 Vitrified clay Pipe length		

Comment: Location details:			
1.50	position	code	observation
Depth: 03.06			
	0.00	ST	Start of Survey
	0.00	MH	Manhole Remark: MH.N
	0.00	WL	Water level, 0 % height/diameter
	0.60	FC	Circumferential Fracture, from 02 to 08 o'clock
	0.60	FC	Circumferential Fracture, from 07 to 10 o'clock
	0.60	CC	Circumferential Crack, from 04 to 06 o'clock
	0.60	S1 DEG	Debris grease, from 07 to 08 o'clock, 5 % cross-sectional area loss, flat
	2.90	GO	General Observation, Remark: SOAP BUBBLES
	3.30	WL	Water level, 15 % height/diameter
	3.40	WL	Water level, 20 % height/diameter
	3.90	WL	Water level, 40 % height/diameter
	4.40	DEG	Debris grease, from 08 to 04 o'clock, 10 % cross-sectional area loss, Change
	5.10	CU	Camera Underwater
	5.10	SA	Survey abandoned, Remark: DUE TO A VERY HIGH WATER LEVEL

Structural Defects Service Defects	Construction Features Wastewater Features
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