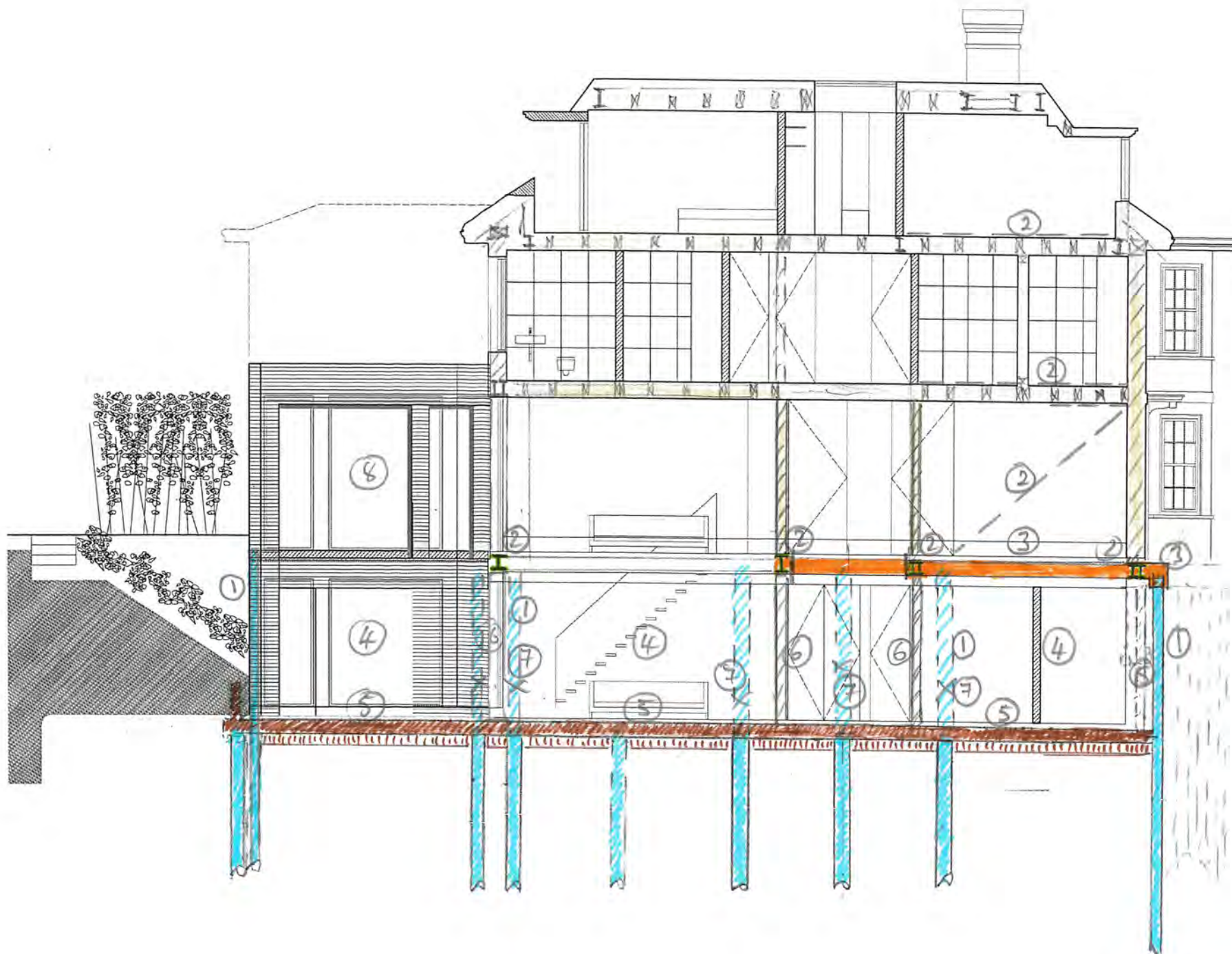


APPENDIX A

STRUCTURAL SCHEME DESIGN – PLANS, SECTION & SEQUENCING



CONSTRUCTION SEQUENCE:

AFTER SITE SET UP, INCLUDING DEMOLITION & PROTECTION:

- ① PERIMETER PILES ('ZENO' SILENT SHEET PILES) & INTERNAL CFA PILES.
- ② BRACING TO FLOORS & WALLS, INSERTION OF STOOLS TO LOAD BEARING WALLS & STEELS AS NECESSARY, DRY PACK.
- ③ FORMATION OF R.C. GROUND FLOOR SLAB & CAPPING BEAM TO PERIMETER PILES.
- ④ DIG OUT OF BASEMENT (FROM REAR).
- ⑤ SHEET PILES WELDED TO FORM WATERTIGHT RETAINING WALL, FORM BASEMENT SLAB.
- ⑥ BUILD UP NEW STRUCTURE (WALLS & COLUMNS) WITHIN BASEMENT & PACK.
- ⑦ INTERNAL PILES CUT DOWN TO BASEMENT SLAB.
- ⑧ STRUCTURE ELSEWHERE COMPLETED & TEMPORARY WORKS HOLES/DEFECTS MADE GOOD.

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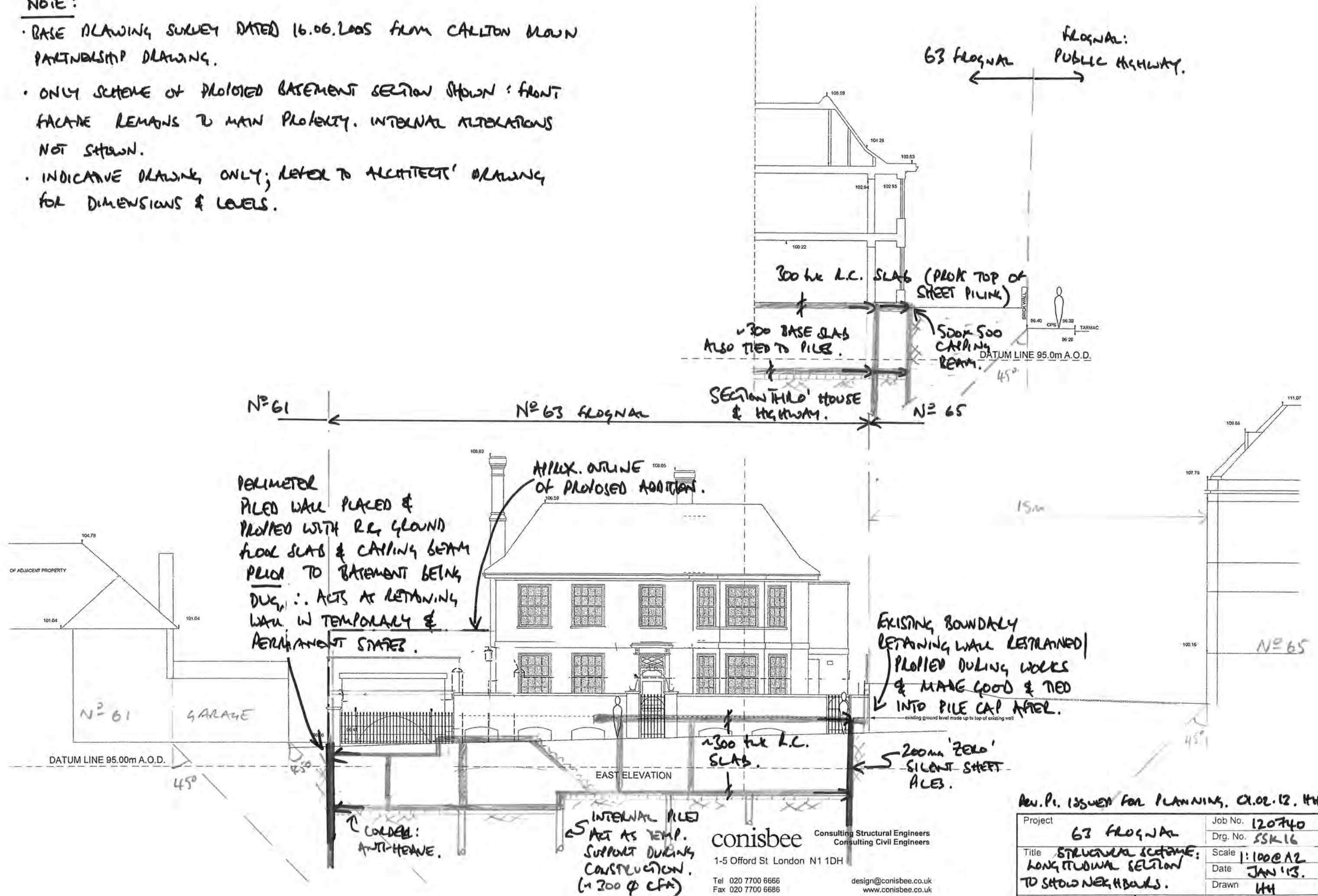
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Fax 020 7700 6686

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Project	63 FROGNAL	Job No.	120740
		Drg. No.	SSK15
Title	SECTION & CONSTRUCTION SEQUENCE	Scale	1:100 @ A3.
		Date	JAN '13
Status	PLANNING.	Drawn	HH
		Checked	AK

NOTE:

- BASE DRAWING SURVEY DATED 16.06.2005 FROM CALTON MOUN PARTNERSHIP DRAWING.
- ONLY SCHEME OF PROPOSED BASEMENT SECTION SHOWN: FRONT FACADE REMAINS TO MAIN PROJEKTY. INTERNAL ALTERATIONS NOT SHOWN.
- INDICATIVE DRAWING ONLY; REFER TO ARCHITECT'S DRAWING FOR DIMENSIONS & LEVELS.



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Project	63 FROGNAL	Job No.	120740
		Drg. No.	SSK16
Title	STRUCTURAL SCHEME: LONGITUDINAL SECTION TO SHOW NEIGHBOURS.	Scale	1:100 @ A2
		Date	JAN '13.
		Drawn	HH
Status	PLANNING.	Checked	AC

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INTERNAL PILES ACT AS TEMP. SUPPORT DURING CONSTRUCTION. (1300 Ø CFA)

COLLEGE: ANTI-HEAVE.

PERIMETER PILED WALL PLACED & PROPPED WITH R.G. GROUND FLOOR SLAB & CEILING BEAM PRIOR TO BASEMENT BEING DUG, ∴ ACTS AS RETAINING WALL IN TEMPORARY & PERMANENT STATES.

EXISTING BOUNDARY RETAINING WALL RESTRAINED / PROPPED DURING WORKS & MADE GOOD & TIED INTO PILE CAP AFTER.

200mm 'ZERO' SILENT SHEET PILES.

300mm L.C. SLAB.

EAST ELEVATION

DATUM LINE 95.00m A.O.D.

DATUM LINE 95.00m A.O.D.

15m

Nº 61

GARAGE

Nº 63 FROGNAL

Nº 65

Nº 65

SECTION THROUGH HOUSE & HIGHWAY.

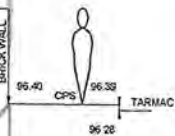
300mm L.C. SLAB (PROTR. TOP OF SHEET PILING)

300mm BASE SLAB ALSO TIED TO PILE.

500x500 CARRYING BEAM.

FROGNAL: PUBLIC HIGHWAY.

63 FROGNAL



OF ADJACENT PROPERTY

104.79

101.04

101.04

108.62

108.05

APPRX. ORIGIN OF PROPOSED ADDITION.

106.59

105.59

104.28

103.63

102.94

102.55

100.22

109.86

111.07

107.78

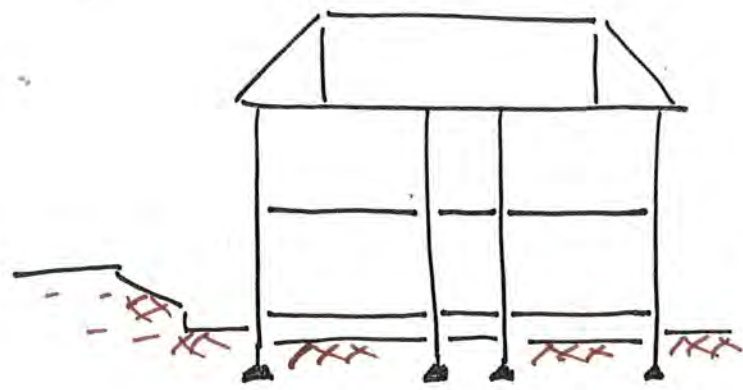
100.16

45°

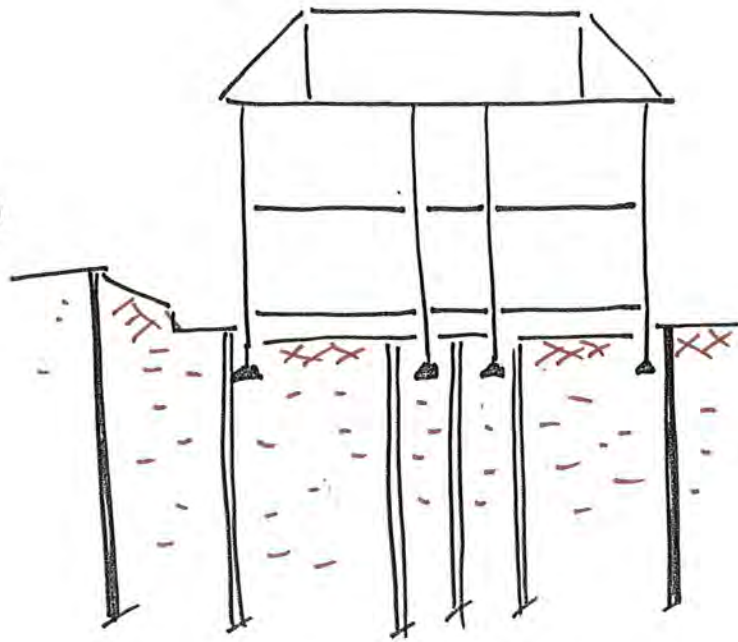
45°

45°

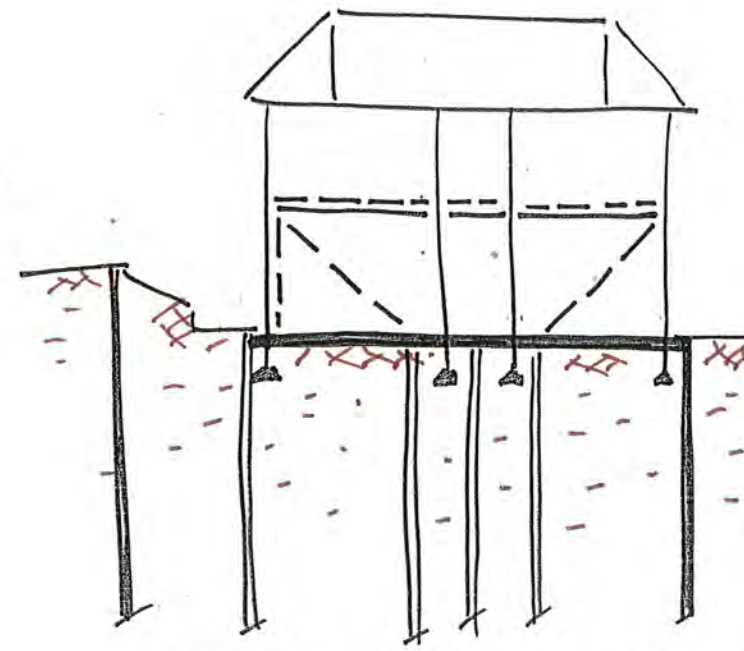
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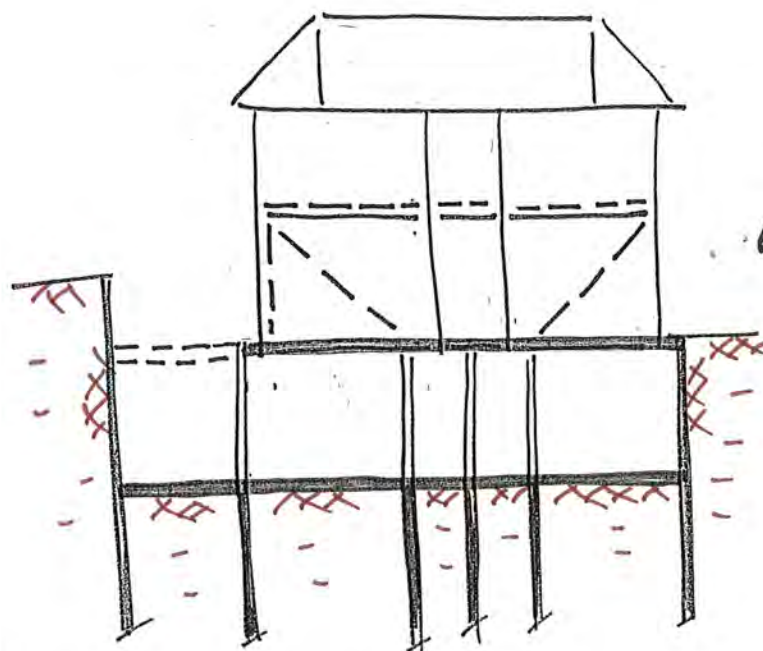
EXISTING.



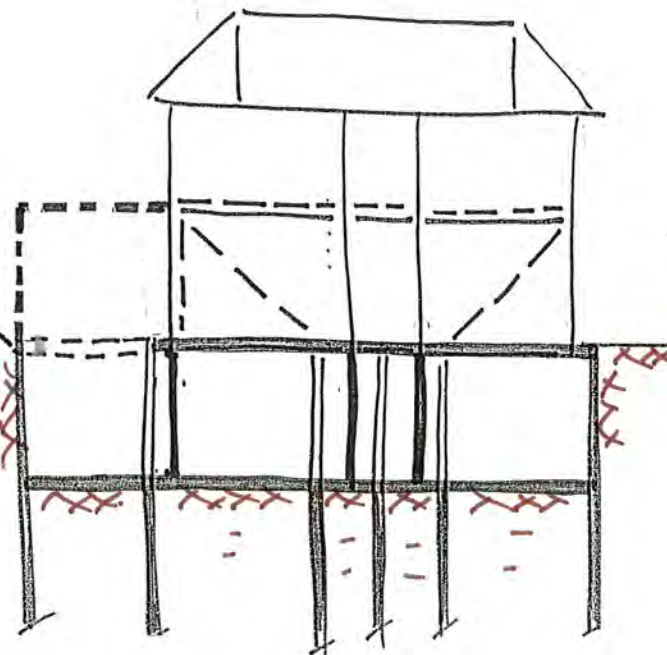
PILES



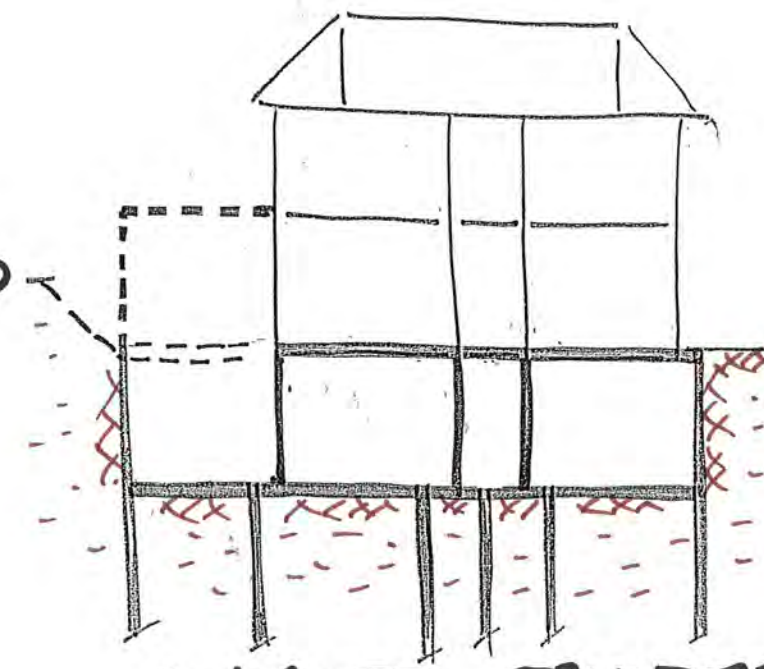
GROUND + TRANSFER SLAB



BASEMENT DUG OUT
(FROM REAR) +
BASEMENT SLAB.



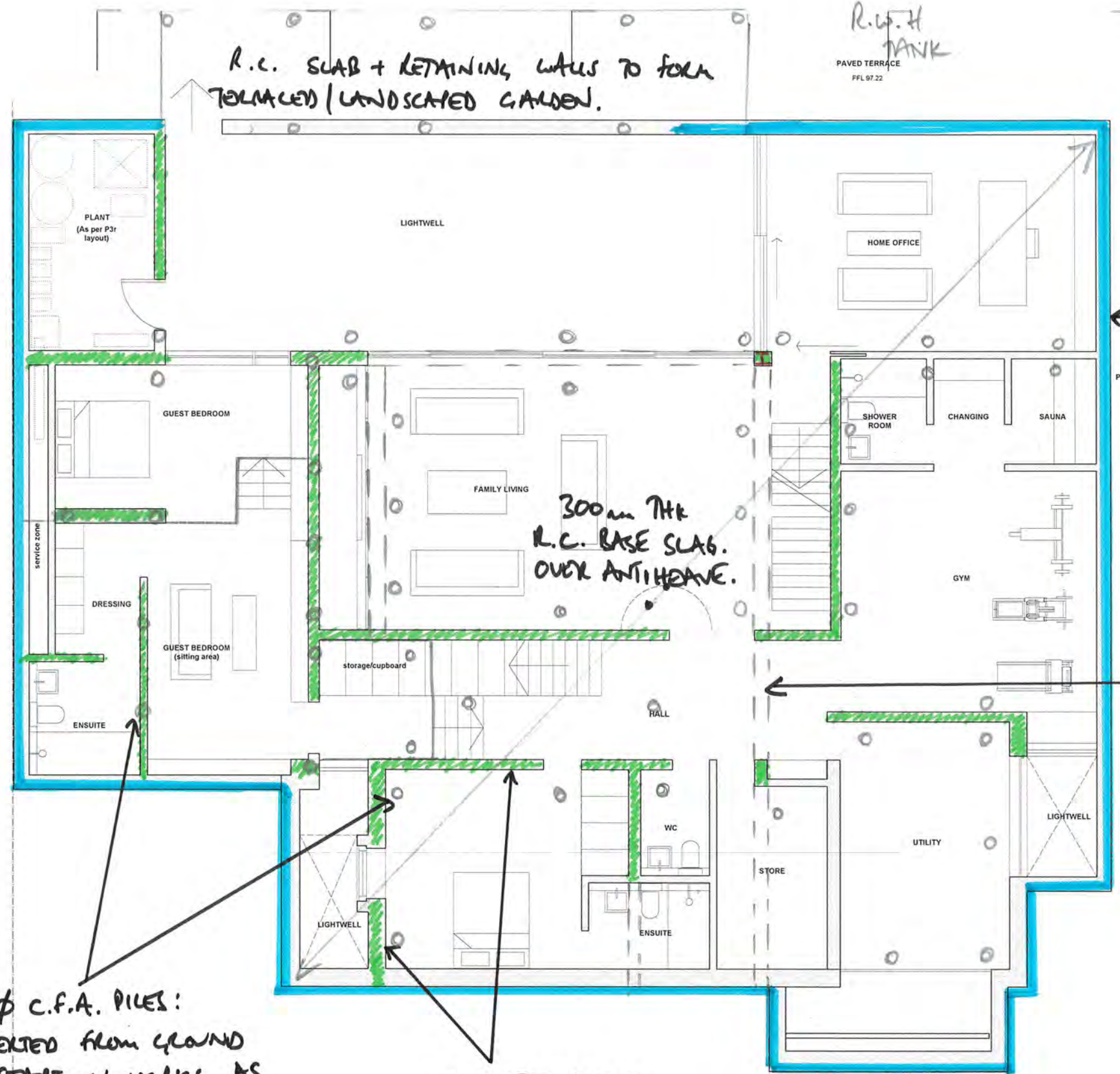
INTERNAL BASEMENT
STRUCTURE.



COMPLETED STRUCTURE.

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Project	63 AROYNAL	Job No.	120740
Title	BASEMENT CONSTRUCTION SEQUENCE	Drg. No.	SSK 17.
Status	PLANNING	Scale	W.T.S.
		Date	FEB 93.
		Drawn	HH
		Checked	AL



R.C. SLAB + RETAINING WALLS TO FORM TERRACE / LANDSCAPED GARDEN.

R.L.F.H
PAVED TERRACE
FFL 97.22

'ZERO' SILENT STREET
PILED WALL, 200mm WIDE
WITH 500x500 CASTING
BEAM @ GROUND.
TIE TO BASEMENT &
GROUND SLABS.
WELDED JOINTS INTERNALLY.

300mm THK
R.C. BASE SLAB.
OVER ANTI HEAVE.

INDICATED MAIN LOAD-BEARING
BEAMS / SLAB BEAMS
OVER.

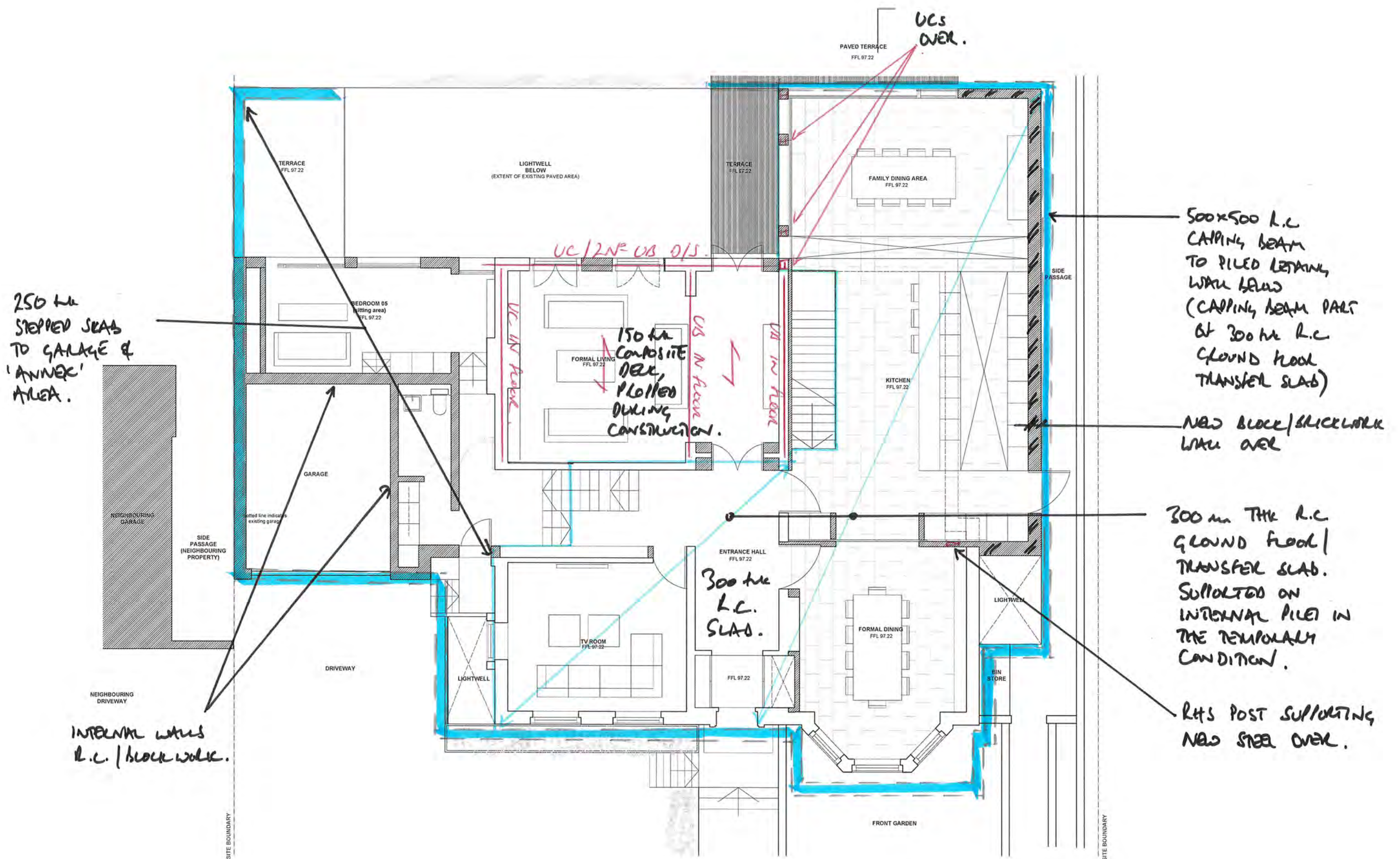
~ 300φ C.F.A. PILES:
INSERTED FROM GROUND
AT START OF WORKS, AS
TEMPORARY WORKS.
IN PERMANENT CONDITION
FORMED PILED 'RAFT' WITH
BASEMENT SLAB (CUT OFF
BETWEEN BASEMENT & GROUND
WHERE NECESSARY).

INDICATES MAIN
LOAD-BEARING WALLS/
COLUMNS INC. SHEAR
WALLS:
R.C. / STEEL / DENSE
CONCRETE, PAVED
UP TO GROUND FLOOR
TRANSFER SLAB/
STRUCTURE.

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Project	63 FLORNA	Job No.	120740
		Drg. No.	SSK14
Title	STRUCTURAL SCHEME BASEMENT.	Scale	1:100 @ A3.
		Date	JAN 13.
Status	PLANNING	Drawn	HH
		Checked	AC



LET. PL. ISSUED FOR PLANNING 0.10213 H11

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Project	63 FLORENCE	Job No.	120740
		Drg. No.	SSK13
Title	STRUCTURAL SCHEME GROUND FLOOR	Scale	1:100 @ A3
		Date	JAN 13
Status	PLANNING	Drawn	HH
		Checked	AE

BRICK PIERS
OR BRICK CLAD
STEEL UC COLUMNS
BELOW.

NEW SIDO WALLS
ON DOUBLED JOISTS,
SHEATHED IN PLY
(SHEAR WALLS)
STEEL POS,
UC: BELOW.

FLAT ROOF TO SINGLE
STOREY EXTENSION
BELOW

305x305x98 UC (S255)




305x305x118 UC

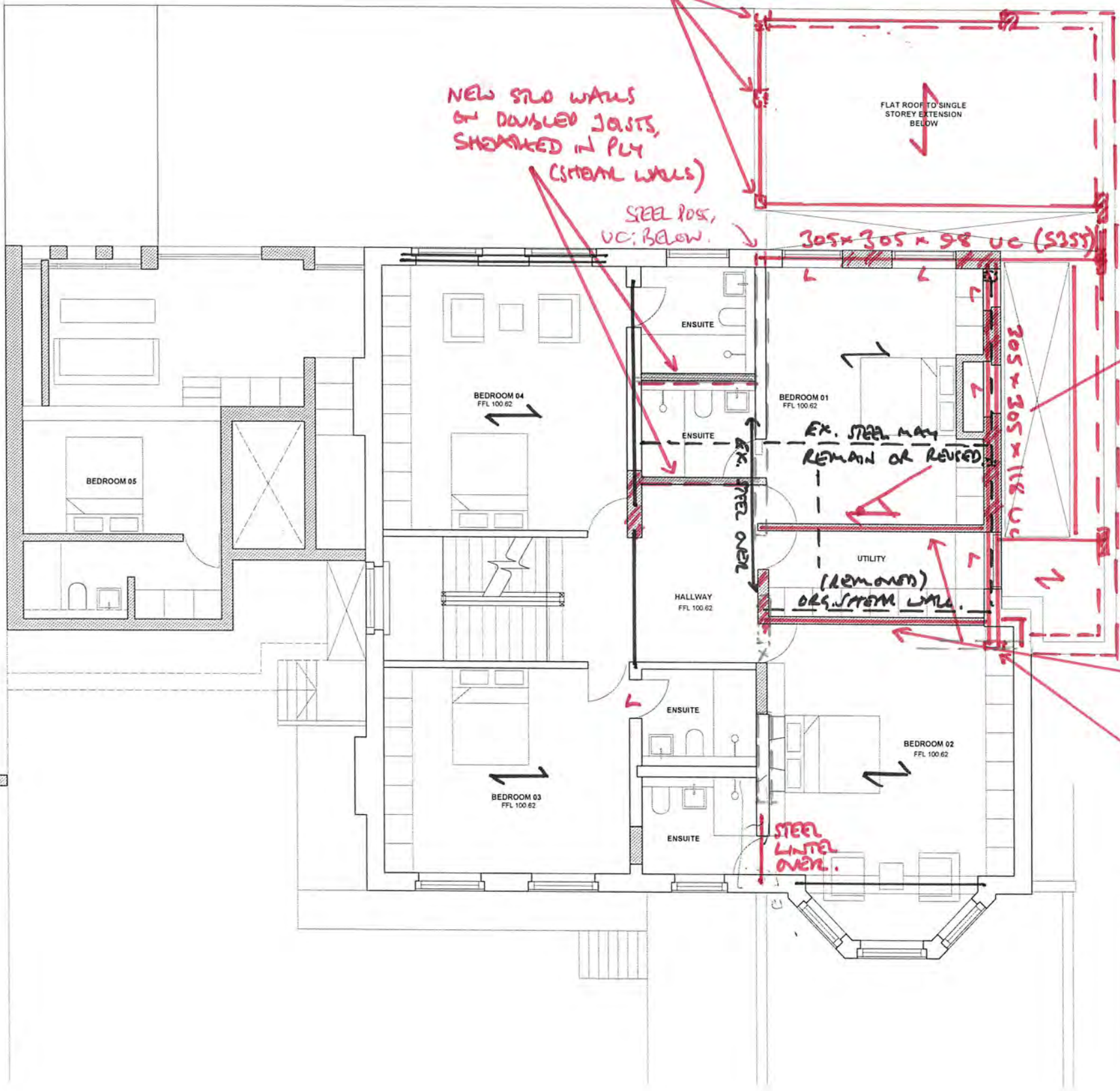
EX. STEEL MAY
REMAIN OR REUSED

UTILITY
(REMOVED)
ORG. SYSTEM WALL.

STEEL
LINTEL
OVER.

KEY

- EXISTING STEEL.
- - - EX. STEEL: TO BE
LEAVED (MAYBE
REUSED, OR REMAIN &
RECONNECTED TO NEW
STRUCTURAL SUPPORT)
- NEW STEELS.
ALLOW FOR 30 kg/m
U.O.N. (INC. FABRICATION)
GALVANIZED IF ON/IN
EXTERNAL WALL.
-  NEW BRICKWORK:
REGIME 215mm TO
MATCH EXISTING (TBC)
- L LINTELS SUITABLE
FOR WALL TYPE / FINISH.
-  NEW BRICKWORK
WALL BELOW.
-  PASTONES (SPANDREL
STEELS IN U/S LARGE
UC'S)
- NEW.
UTILITY ROOM WALLS:
SHEAR WALLS. EITHER IN
BLOCKWORK OR SHEATHED
IN PLY.
- RHS BELOW



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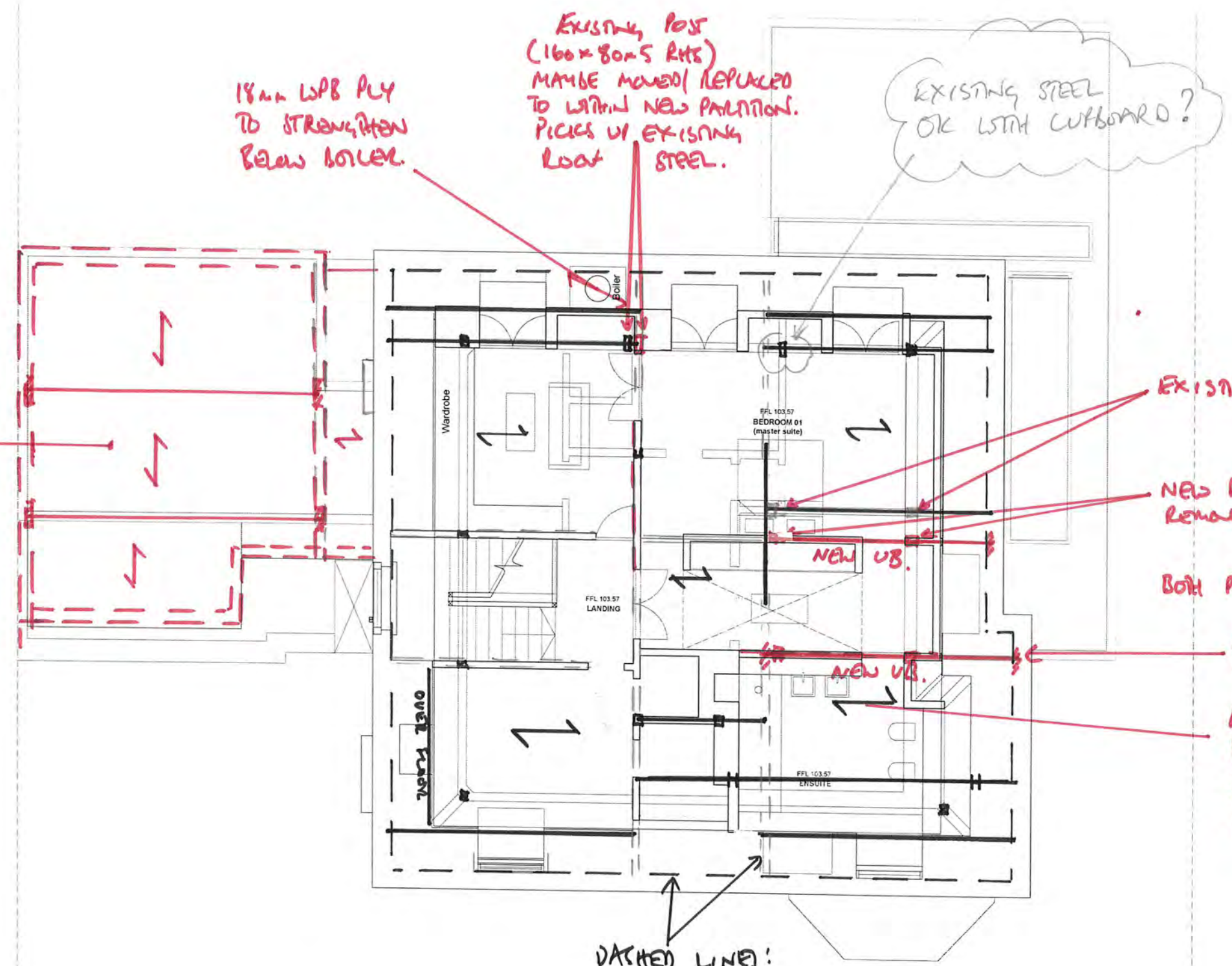
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Project	63 FROGMAL	Job No.	120740
		Drg. No.	SSIC12
Title	STRUCTURE 1ST FLOOR	Scale	1:100 @ A3
		Date	JAN 2013
		Drawn	HH.
Status	PLANNING	Checked	AC

KEY

- EXISTING STEELS WITHIN FLOOR
- STEEL POSTS AFC/SKTS/LRHS OVER.
- TIMBER POSTS OVER
- NEW STEELS PROPOSED
- NEW POSTS SKTS/LRHS OVER.
- ▨ NEW PADSTONE.
- ≡≡≡ DOUBLE UP JOISTS BELOW NEW PARTITIONS



ANNEX ROOF:
INTERMEDIATE STEELS (ALLOW 30kg/m) & TIMBER ROOF JOISTS DOUBLE TO TUM ANY OPENINGS / ROOF LIGHTS.

18mm WBP PLY TO STRENGTHEN BELOW BOILER.

EXISTING POST (160x80x5 RHTS) MAYBE MOVED/REPLACED TO WITHIN NEW PARTITION. PICKS UP EXISTING ROOF STEEL.

EXISTING STEEL OK WITH CUPBOARD?

EXISTING STEEL POSTS REMOVED.

NEW POSTS, SIMILAR TO POSTS REMOVED OVER. (100x100x4.0 SKTS & 200x100x5.0 RHTS) BOTH PICK UP EXISTING ROOF STEELS.

NEW STEEL & POST TO PICK UP CUT BACK STEEL FOR LIGHT OVER.

EXISTING JOISTS DOUBLED UP / 18mm WBP PLY (ADDITIONAL JOISTS TO BATHROOM IF STONE / LARGE TILES TO FINISH.

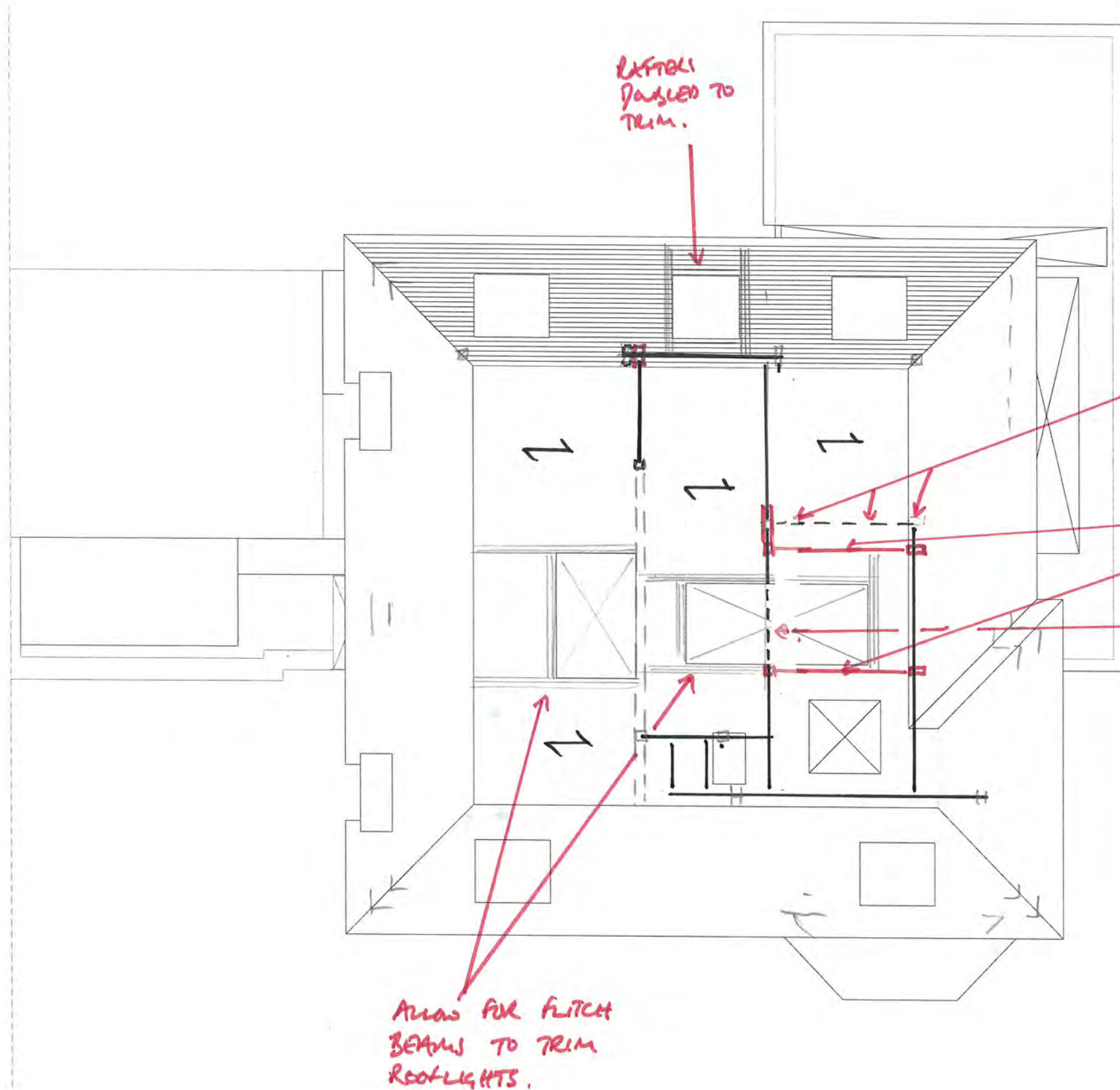
DASHED LINE: GENERAL LOAD BEARING WAYS / STEELS BELOW.

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Project	63 FROGNAL	Job No.	120740
		Drg. No.	SSK11
Title	STRUCTURE 2ND FLOOR.	Scale	1:100E A3.
		Date	JAN 2013
		Drawn	HH.
Status	PLANNING	Checked	AC



KEY

- EXISTING STEELS WITHIN FLAT ROOF
- +H EX. STEEL POSTS BELOW.
- NEW STEEL BEAMS REQ'D.
- NEW STEEL SHS/LHS POSTS BELOW.
- - - EX. STEEL REMOVED/CUT TRIMMED / FLITCH BEAMS (NEW)

EXISTING SHS/LHS SUPPORTS TO UB/UC REMOVED (+ UB) ALLOW FOR STRENGTHENING / SPLICING OF UB/UC OVER ORIGINAL SUPPORT.

NEW STEELS & SHS/LHS SUPPORTS BELOW

EXISTING UC CUT BACK ABOUT NEW ROOFLIGHT OPENING.

AREAS FOR FLITCH BEAMS TO TRIM ROOFLIGHTS.

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Project	63 FROGNAL	Job No.	120740
		Drg. No.	SSK10
Title	STRUCTURE Roof	Scale	1:100 @ A3
		Date	JAN 2013
		Drawn	HH
Status	PLANNING	Checked	AE