

All ground beams to be formed from RC40 concrete mix with 4no. H8 shear links at 200mm centres. Unless noted otherwise to be 500mm deep, width as specified on plan. Reinforcement to be 5no. H16 straight bars to top and bottom faces. All ground beams to be centered on piles unless noted otherwise. Nominal cover = 50mm

Indicative Pile Schedule



Piles to be designed by others. Refer to Specialist design

**Pile layouts are provisional, awaiting results of geotechnical investigation**

Pile Loading Schedule	
Pile No.	Safe Working Load (kN) SLS
P1	50
P2	75
P3	100
P4	125
P5	150
P6	175
P7	200
P8	225
P9	250

**Preliminary Pile Capacities by Site Analytical Services:**  
Piles will requiring sleeving through first 4.0m of soil due to dessication, refer to report by SAS for further guidance on pile design.

**For 300mm diameter piles:**

Depth	SWL (kN) SLS
10m	190
12m	240
15m	330

Refer to Architect's drawings for all levels and setting out

Ground beam and pile loading design has been carried out assuming the superstructure to nos 53b and 53 follows the same design philosophy with regard to materials and structure.

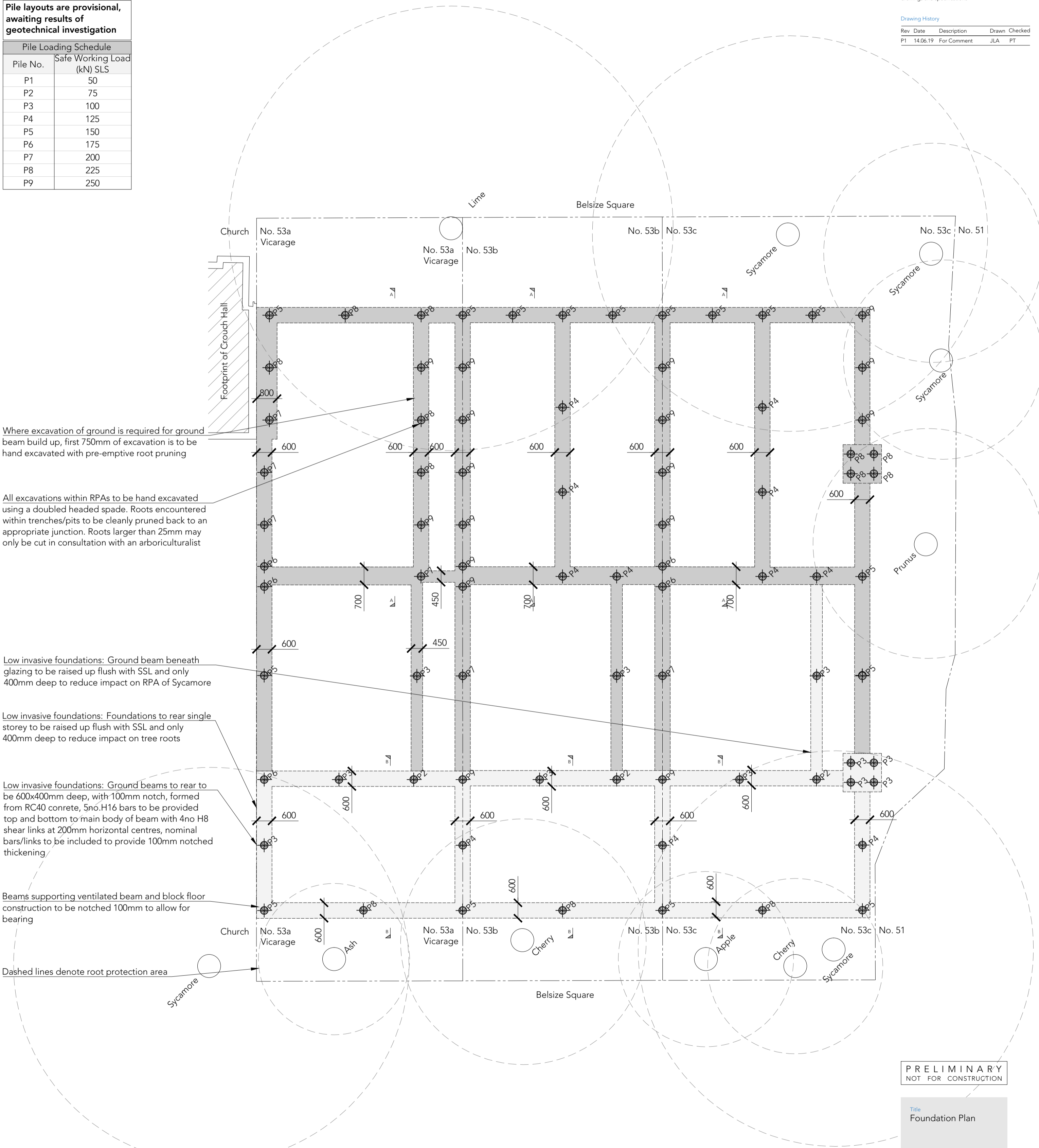
Foundation design to be verified by a structural engineer following production of full structural designs for the superstructure for nos 53b and 53c.

**Refer to arboricultural report for further guidance on acceptable construction methods**

**DO NOT SCALE FROM THIS DRAWING**  
All dimensions to be verified on site before commencing work. All error and omissions are to be reported to the Engineer. This drawing is to be read in conjunction with all relevant Design Team drawings and specifications

Drawing History

Rev	Date	Description	Drawn	Checked
P1	14.06.19	For Comment	JLA	PT



Where excavation of ground is required for ground beam build up, first 750mm of excavation is to be hand excavated with pre-emptive root pruning

All excavations within RPAs to be hand excavated using a doubled headed spade. Roots encountered within trenches/pits to be cleanly pruned back to an appropriate junction. Roots larger than 25mm may only be cut in consultation with an arboriculturalist

Low invasive foundations: Ground beam beneath glazing to be raised up flush with SSL and only 400mm deep to reduce impact on RPA of Sycamore

Low invasive foundations: Foundations to rear single storey to be raised up flush with SSL and only 400mm deep to reduce impact on tree roots

Low invasive foundations: Ground beams to rear to be 600x400mm deep, with 100mm notch, formed from RC40 concrete, 5no. H16 bars to be provided top and bottom to main body of beam with 4no H8 shear links at 200mm horizontal centres, nominal bars/links to be included to provide 100mm notched thickening

Beams supporting ventilated beam and block floor construction to be notched 100mm to allow for bearing

Dashed lines denote root protection area

**PRELIMINARY NOT FOR CONSTRUCTION**

Title  
Foundation Plan

Project  
53 Belsize Square, NW3 4HY

Client  
London Diocesan Trust

Job No.  
4947

Drawing No.  
99

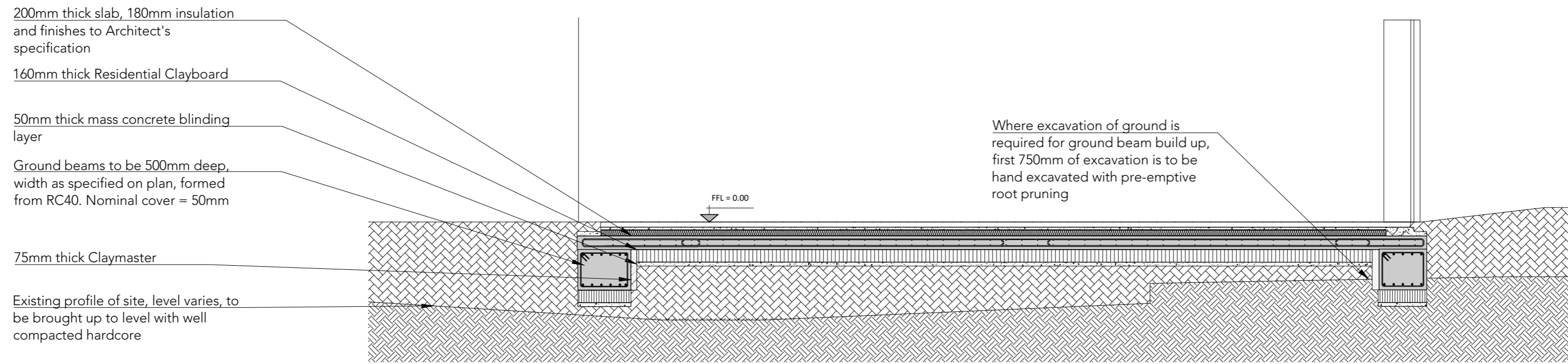
Revision  
P1

Scale  
1:100 at A2

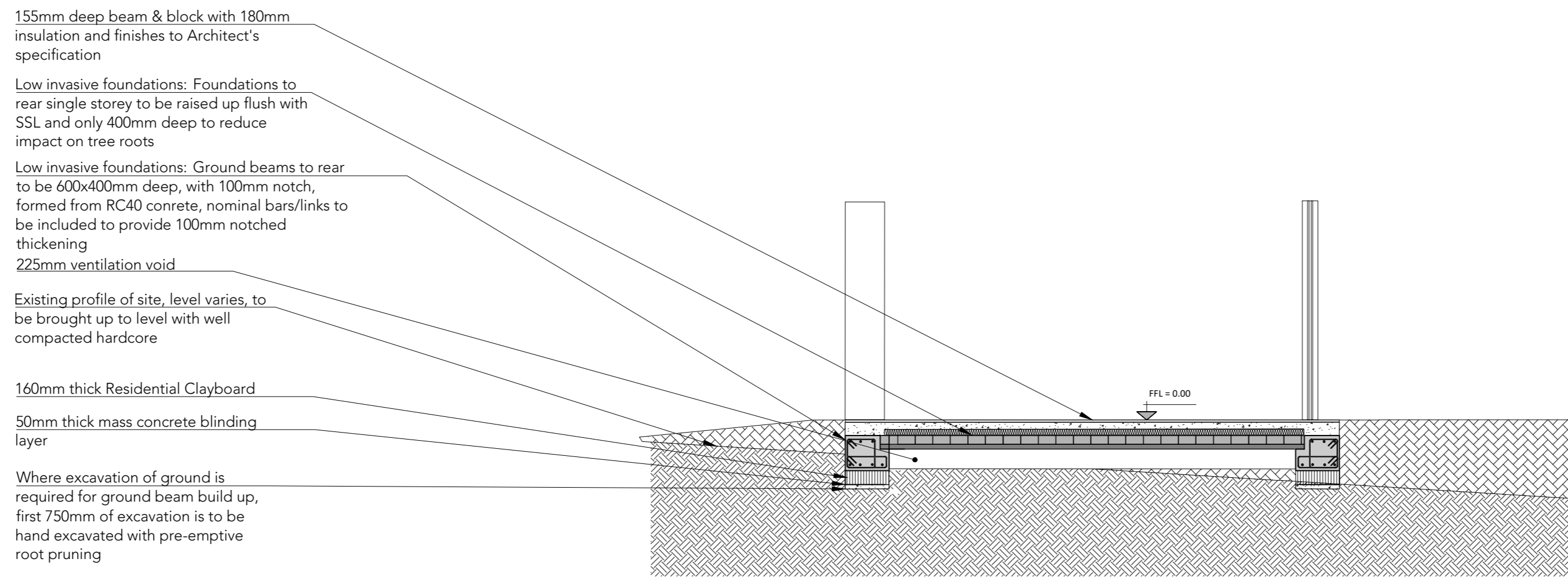
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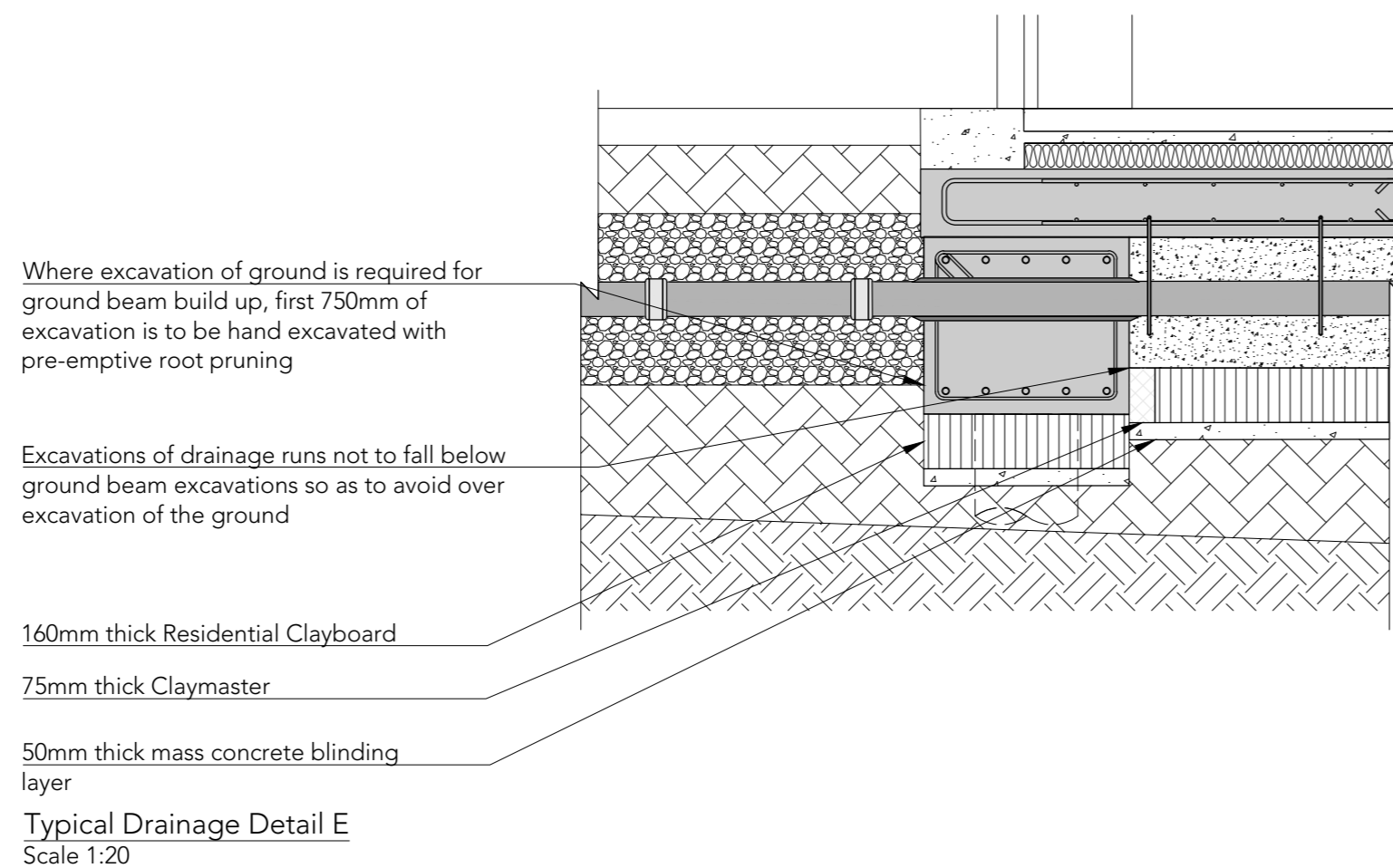
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**Typical Section A**  
 Scale 1:50



**Typical Section B**  
 Scale 1:50



**Typical Drainage Detail E**  
 Scale 1:20

PRELIMINARY  
 NOT FOR CONSTRUCTION

Title  
 Typical Details

Project  
 53 Belsize Square,  
 NW3 4HY

Client  
 London Diocesan Trust

Job No.  
 4947

Drawing No.  
 100

Revision  
 P1

Scale  
 1:50 at A2