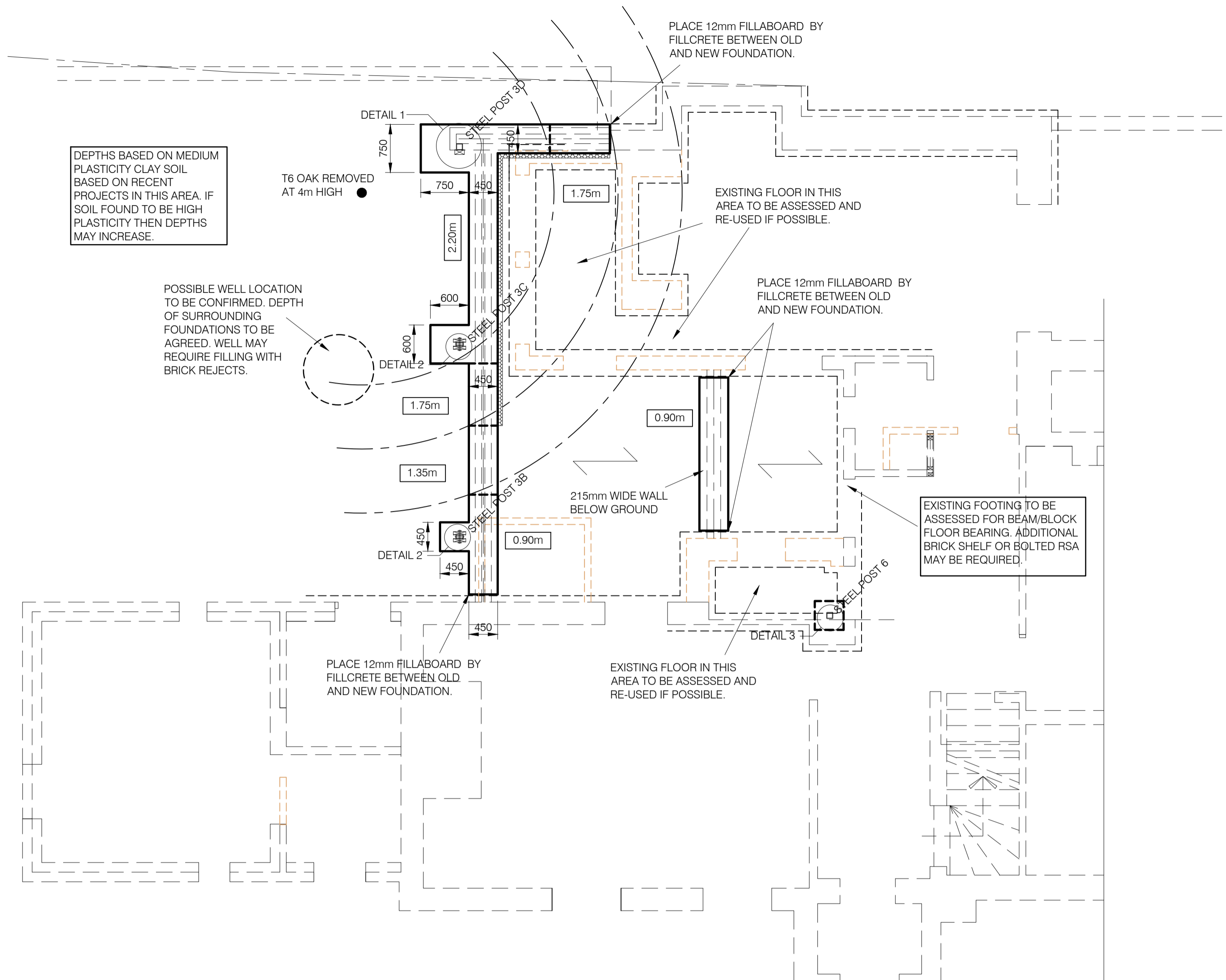


KEY	
	INDICATES DIRECTION OF PRECAST CONCRETE BEAM AND BLOCK FLOOR OVER
	INDICATES DEPTH OF FOUNDATION BASED ON NHBC CHAPTER 4.2
	INDICATES ESTIMATED POSITION OF EXISTING FOUNDATION (TBC)
	INDICATES STEP IN FOUNDATION
	COMPRESSIBLE MATERIAL TO SIDE OF FOUNDATION (SEE SECTION)

- T2 HAZEL
NO INFLUENCE ON NEW WORKS
- T5 SCOTS PINE
- T4 SCOTS PINE
- T3 HORSE CHESTNUT
- T1 HOLLY
NO INFLUENCE ON NEW WORKS

DEPTHS BASED ON MEDIUM PLASTICITY CLAY SOIL BASED ON RECENT PROJECTS IN THIS AREA. IF SOIL FOUND TO BE HIGH PLASTICITY THEN DEPTHS MAY INCREASE.

POSSIBLE WELL LOCATION TO BE CONFIRMED. DEPTH OF SURROUNDING FOUNDATIONS TO BE AGREED. WELL MAY REQUIRE FILLING WITH BRICK REJECTS.



FOUNDATION G.A.
(SHOWING STRUCTURE OVER)
SCALE 1:50

- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, DETAILS, SCHEDULES AND SPECIFICATIONS. DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO STARTING OF WORKS. ALL TEMPORARY WORKS TO CONTRACTORS DETAILS AND DESIGN.
 - UNLESS NOTED OTHERWISE, ALL FOUNDATIONS TO BE MINIMUM 1.0m DEEP BY WIDTH NOTED. PLEASE ALSO SEE KEY FOR DEPTHS DUE TO TREE INFLUENCES. TRENCHES TO BE INSPECTED PRIOR TO PLACEMENT. WIDTHS BASED ON 100kN/m² GROUND BEARING PRESSURE.
 - ALL CONCRETE TO BE INSTALLED IN ACCORDANCE WITH BS EN 1992 AND NHBC CHAPTER 4.2 (BUILDING NEAR TREES).
 - TREES SPECIES TO BE CONFIRMED ON SITE PRIOR TO EXCAVATION.
 - WHERE THE PROPOSED BUILDING/WORKS IS HIGHER THAN THE BASE OF THE TREE, DEPTHS OF FOUNDATIONS SHOWN MUST BE TAKEN RELATIVE TO THE BASE OF THE TREE AND NOT THE BUILDING.
 - WHERE REQUIRED DEPTHS ARE GREATER THAN 1.5m, A SUSPENDED GROUND FLOOR IS REQUIRED TO NHBC CHAPTER 4.2. WHERE SUSPENDED FLOORS ARE TO BEAR ON EXISTING STRUCTURE, FOOTINGS TO BE ASSESSED FOR ADDITIONAL BEARING. ADDITIONAL BRICK SHELF OR BOLTED ANGLE MAY BE REQUIRED FOR SUPPORT.
 - WHERE REQUIRED DEPTHS ARE GREATER THAN 1.5m, ANTI-HEAVE PRECAUTIONS ARE REQUIRED TO THE SIDES OF THE FOUNDATION IN ACCORDANCE WITH NHBC CHAPTER 4.2.
 - DEPTHS ARE BASED ON A CLAY SOIL. SHOULD A PURE SAND, GRAVEL OR CHALK STRATA BE FOUND THEN, AT THE DISCRETION OF THE BUILDING CONTROL OFFICER, MINIMUM FOUNDATION DEPTHS MAY BE USED.
 - CONCRETE TO FOUNDATIONS TO BE MINIMUM GRADE C20/25 TO BS8500, WITH MAX AGGREGATE SIZE 20mm, MINIMUM CEMENT CONTENT 240kg/m³, MAXIMUM FREE WATER:CEMENT RATIO 0.70.
 - ALL CONCRETE TO BE FULLY VIBRATED BY MEANS OF A MECHANICAL VIBRATOR.
 - R.C.A. TO BE NOTIFIED IF ANYTHING ON SITE IF DIFFERENT TO THIS DRAWING.
 - CARE TO BE TAKEN WHEN DIGGING NEAR EXISTING FOOTINGS. EXISTING FOOTINGS NOT TO BE UNDERMINED. IF IN ANY DOUBT, CONTACT R.C.A.
 - SUITABLE HEALTH AND SAFETY MEASURES TO BE PUT IN PLACE BY CONTRACTOR DURING FOUNDATION EXCAVATIONS. NO PERSONNEL TO DESCEND INTO EXCAVATIONS DEEPER THAN 1.2m. WHERE EXCAVATIONS ARE 2m AND DEEPER, SUITABLE GUARD RAILS AND TOE BOARDS TO BE PROVIDED. PLEASE REFER TO HEALTH & SAFETY EXECUTIVE CONSTRUCTION INFORMATION SHEET No.8 FOR DETAILS. (AVAILABLE ON REQUEST).
 - JUNCTION AT EXISTING FOUNDATIONS TO HAVE 20mm HYDROCELL XL BOARD BY FOSROC OR SIMILAR APPROVED PLACE BETWEEN OLD AND NEW FOUNDATION.
 - PRECAST FLOOR UNIT DESIGN TO BE UNDERTAKEN BY MANUFACTURER. PLEASE REFER TO ARCHITECTS/BUILDING SERVICES DRAWINGS FOR LOCATIONS OF SERVICE HOLES THROUGH PRECAST FLOOR. STAIR LOADS TO BE SUPPORTED ON P.C.C. UNITS. 'BAT' RESTRAINT STRAPS OR SIMILAR APPROVED AT MAXIMUM 1.2m CENTRES SHALL BE SECURELY FIXED TO PRECAST UNITS AT EACH FLOOR LEVEL PRIOR TO CONSTRUCTION OF THE NEXT STOREY OF MASONRY WALLS.

CDM REGULATIONS 2017. MEMBER SIZES AND DIMENSIONS HAVE BEEN DESIGNED IN ORDER TO SATISFY THE DESIGN REQUIREMENTS OF THE PROJECT. CONTRACTOR SHOULD BE AWARE OF RISKS ASSOCIATED WITH HANDLING AND INSTALLATION OF STRUCTURE WHICH CANNOT BE REMOVED AT THE DESIGN STAGE. CONTRACTOR MUST BE SUITABLY EXPERIENCED IN ALL ASPECTS OF HANDLING AND LIFTING. ALL TEMPORARY WORKS MUST COMPLY WITH CURRENT LEGISLATION. REFERENCE MUST ALWAYS BE MADE TO THE SEPARATE RCA RISK ASSESSMENT DOCUMENT.

CLOUDED ITEMS WITH TAG INDICATES LATEST REVISIONS TO DRAWING. PLEASE NOTE THAT ADDITIONAL CHANGES MAY BE NOTED IN THE REVISION BOX BELOW.

Rev.	Date	By	Description	App.
A	13.06.23	MPL	Anti-heave details added.	

Project
**Labour in Vain
Church End
Albury
SG11 2JG**

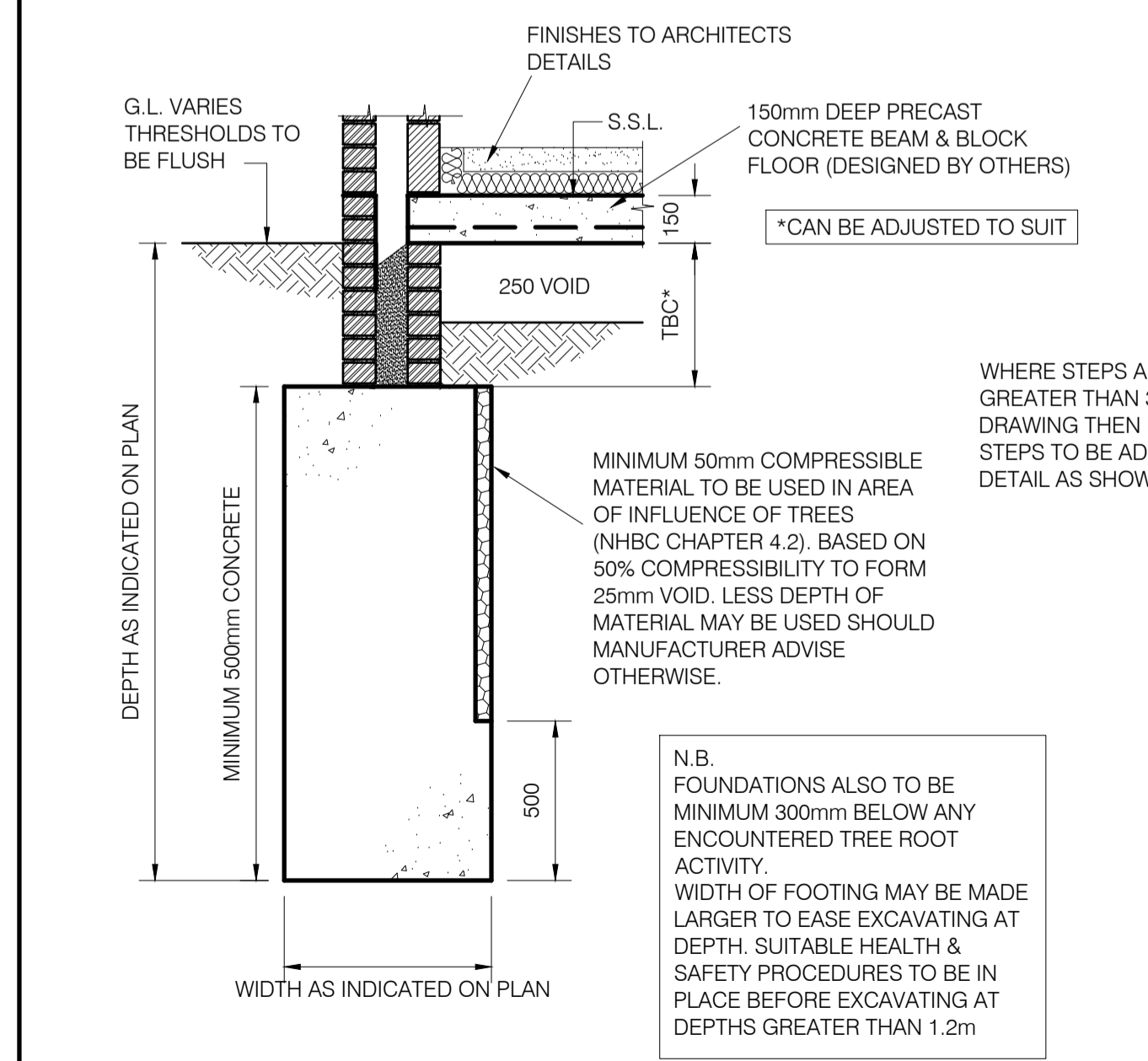
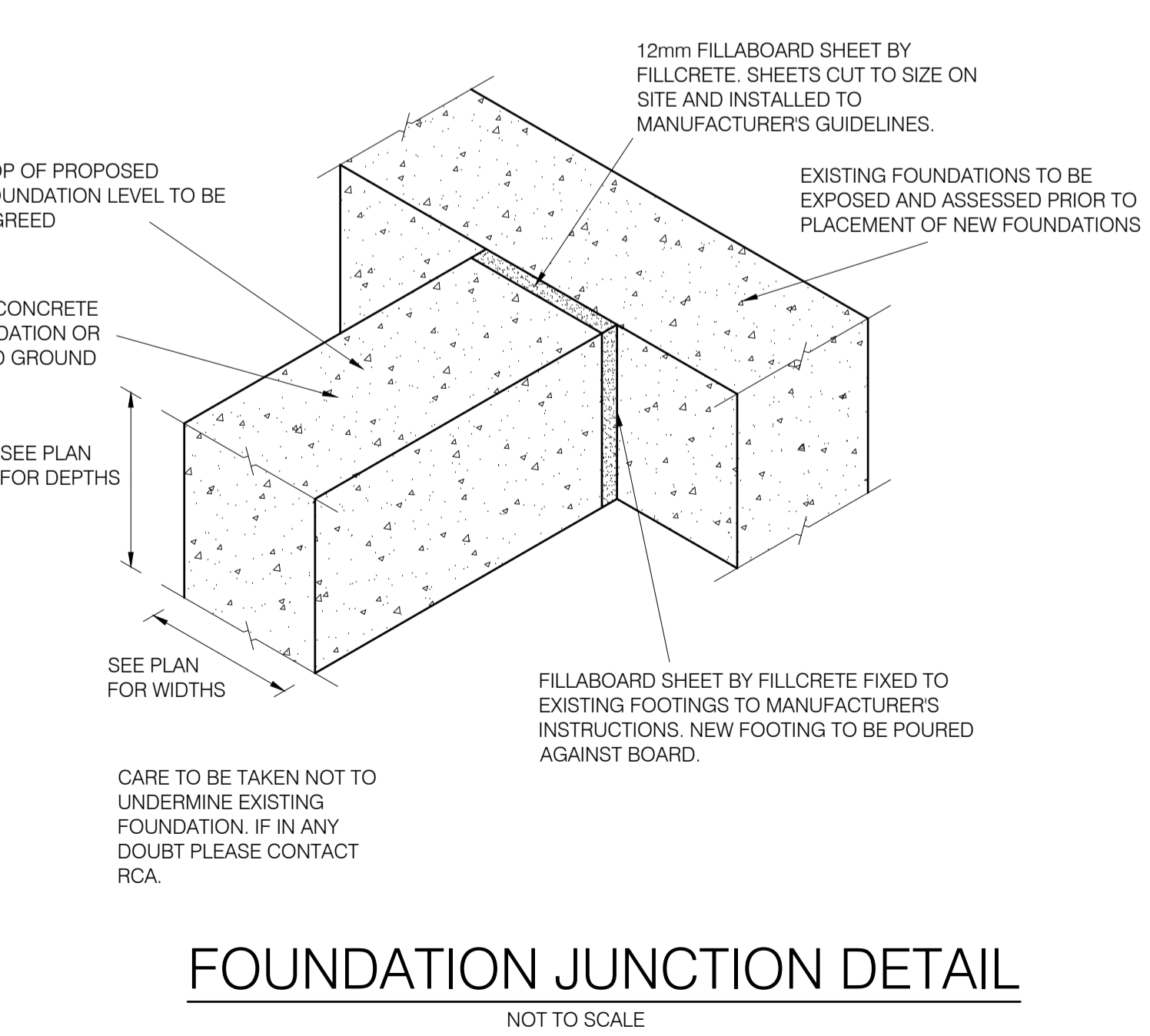
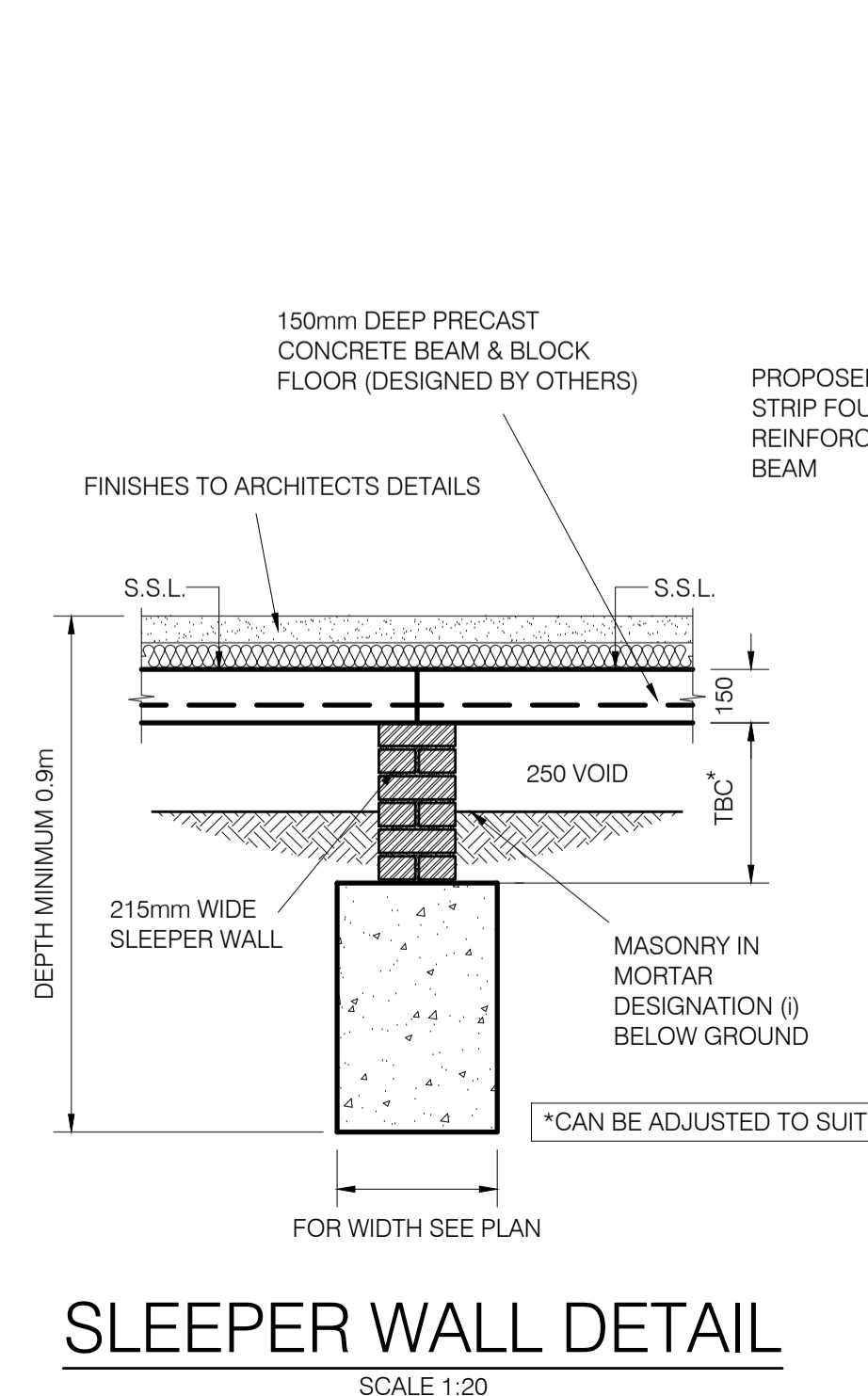
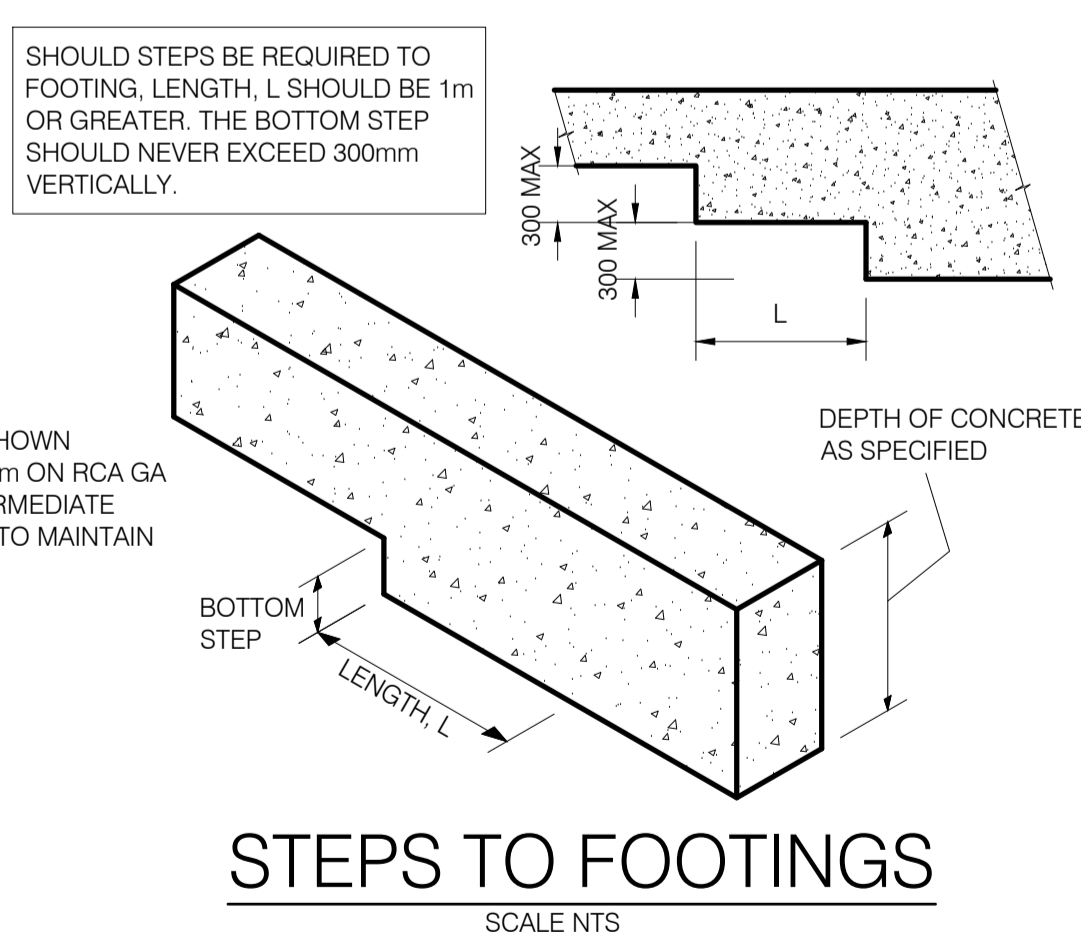
Title
**Foundation
General Arrangement**

Scale	1:50 @ A1	Drawn By	MPL
Date	April 2023	Approved	MPL

STRUCTURAL ENGINEERING AND DESIGN

2nd Fl. Unit 1, Birchanger Industrial Estate,
Stansted Road, Bishops Cleeve, CM23 2TH.
Tel. 01279 506721
Fax. 01279 506724
E-mail: mail@rcastructures.co.uk
Internet: www.rcastructures.co.uk

DRG No. 25036/01 Rev. A



TYPICAL SECTION
(WHERE DEPTHS ARE GREATER THAN 1.5m) WHERE SOIL IS MEDIUM PLASTICITY (P.I. 20% - 40%)
SCALE 1:20