

WHERE EXISTING BRICK & STONE MASONRY RETAINING WALL HAS DISTORTED, FAILED, AND SETTLED, REBUILD ON NEW CONCRETE FOUNDATION. ALLOW NEW FOOTING TO BE 600mm WIDE EXTENDED TO MIN 1000mm BELOW GROUND LEVEL.

EXISTING BRICK & STONE MASONRY RETAINING WALL HAS ROTATED OUTWARDS AND FAILING. ALLOW FOR REBUILDING TO MATCH OTHER SECTIONS WHICH NEED TO BE REBUILT.

AT LEAST 50% OF MASONRY PIERES HAVE SUFFERED ROTATION OF FOUNDATION AND/OR FRACTURING IN MASONRY. RECONSTRUCT ALL 600 PIERES ON NEW MASS CONCRETE PAD FOOTING, EXTENDING MIN 1000mm BELOW GROUND LEVEL.

REFER TO DRAWING 0142-21 FOR DETAILS G-G TO 9-9.

EXISTING MASONRY WALL TO BE REBUILT USING EXISTING BRICKS & STONE MASONRY TO MATCH EXISTING PROFILE.

REFER TO DRAWING 0142-20 FOR DETAILS 1-1 TO 5-5

LATER REAR EXTENSION TO CART SHED APPEARS TO RELY ON SLENDER BRICK PIER IN CORNER FOR SUPPORT. ARRANGEMENT IS BOTH CRUDE AND STRUCTURALLY INADEQUATE. CONSTRUCT NEW FOUNDATION IN CONCRETE WITH NEW BRICK MASONRY TO MATCH DETAILS ALONG REAR OF CART SHED.

CORNER OF MASONRY WALL HAS ROTATED & PARTIALLY COLLAPSED. ALLOW FOR REBUILDING.

NEW 215mm SOLID BRICK PLINTH OVER FOOTING ALONG FRONT ELEVATION. ALLOW FLEMISH BOND.

CHECKS TO BE DONE ON DEPTH & PROFILE OF MASONRY PLINTH FOUNDATIONS ALONG REAR OF STABLE BLOCK TO ASSESS RISK OTHER SECTIONS OF WALL MAY FAIL. IF CONCERNS ARE REALISED, MAY NEED TO REBUILD REAR PLINTH WALL ON NEW FOOTING.

ADD MASS CONCRETE TO REAR FACE OF MASONRY PLINTH TO REMOVE SURCHARGE LOADS FROM MASONRY.

ADD MASS CONCRETE TO REAR FACE OF REBUILT MASONRY TO REMOVE SURCHARGE LOADS FROM MASONRY.

CHECKS REQUIRED ON EXTENT OF EXISTING FOUNDATIONS TO FRONT ELEVATION OF CART SHED. THEY MAY ONLY EXISTING LOCALLY BELOW PRIMARY TIMBER POSTS. ALLOW FOR NEW MASS CONCRETE TRENCH FOOTINGS BETWEEN EXISTING FOOTINGS: 450 WIDE, MIN 1000mm DEEP TO SUPPORT INFILL ELEVATION OVER.

NEW INTERNAL MASS CONCRETE FOOTINGS TO SUPPORT SUSPENDED FLOOR SLAB OVER. ALLOW 450mm WIDE x MIN 1000 DEEP BELOW EXISTING GROUND LEVELS.

CHECKS TO BE DONE TO CHECK EXISTING FOUNDATION HAS BEEN RETAINED BELOW PERIMETER OF STABLE, AND TO ASSESS ADEQUACY TO SUPPORT NEW FIRST FLOOR DOMESTIC LOADS. IF FOOTING EXISTS BUT IS TOO SHALLOW, REVERT TO "ALTERNATIVE OPTION" FOR SUPPORT OF DOMESTIC FIRST FLOOR (AS DRAWING 0142-14).

NOTES

- This drawing is to be read in conjunction with all relevant architect's and engineer's drawings and the specification.
- This drawing is based on existing plans of the building prepared by Baker Brown dated Aug 2021.

Rev	Date	Amendment
A	12.05.25	DETAILS REFERENCES ADDED
	11.04.25	ISSUED FOR COMMENT

Project: Barn at Brook Farm, Brook Street, Cuckfield

Sketch title: Proposed Foundation Plan

Sketch No: 0142 / 10

Rev: A

Andrew Turner
Engineering

Date: Apr 2025

Scale: 1:50 at A3 Size