

Nigel Challis Ltd

Consulting Structural and Civil Engineers



Mrs D Rose
Luke Roase Architects
Beck Cottage
Abbots Ann
Hampshire
SP11 7NW

August 6, 2026

Dear Mrs Rose

RE: Shalbourne Manor Barn – Structural Investigation and Review For Planning

1.0 Instructions

Following my earlier overall structural review of the barn for conversion purposes, I confirm having now carried out your more recent instructions and re-visited the barn at Shalbourne Manor to carry out a more detailed examination of the fabric.

I have arranged as requested, to observe and record trial holes that were excavated to examine the foundations of the building.

2.0 Introduction

The purpose of excavating the trial holes was to verify the depth of existing foundations to the barn, and to assess whether the new proposed insulated and damp resistant floor could be safely constructed, without undermining the foundations of the barn.

If the foundations were found to be deep enough, excavation of the new floor could proceed without causing instability of the barn.

The likely thickness of the new proposed floor is 75mm screed, 100mm of insulation, 150mm of concrete and 100mm of compacted stone sub-base.

This gives a total of 425mm.

3.0 Findings

A total of 15 trial holes were excavated around the building, some internally and some externally.

A sketch of the trial hole locations is attached.

The holes were dug to reveal the existing barn footings such that the existing barn foundation depths could be measured and identified at each location.

I am able to report that all holes revealed were brick footings into chalk, at sufficient depth such that the existing foundations will not be undermined by construction of the new concrete insulation floor.

Thus I can safely conclude that the proposed works will not adversely affect the stability of the building.

Yours Sincerely



Nigel Challis
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