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RE: Top Green & March Hare Cottage, Hawkedon

The proposed extension and lowering of the floor will be sequence in a manor not to risk undermine the existing footings, should the construction vary from the areas as inspected in the trial holes.

Foam glass insulation is load bearing and suitable for installation under a floor slab, in addition to its insulating properties it is a moisture impermeable barrier, therefore a damp proof membrane or injected damp proof courses is not required.

The proposed extension will be constructed on a raft foundation to minimise excavations externally. The raft will be sequenced to ensure stability to the original cottages during construction.

The sequencing of the works

- Install the new raft foundation for the extension offset 700mm from the face of Top Green and March Hare cottages.
- Install the 700mm strip limecrete slab between existing footings and the raft, in bays to allow for inspection of the footings, before proceeding to excavate.
- Internal floor slab lowered in four separate zones, each zone to be sequenced to allow for inspection of the footings, before proceeding to lower the floor and introduce foamed glass insulation and limecrete slab.

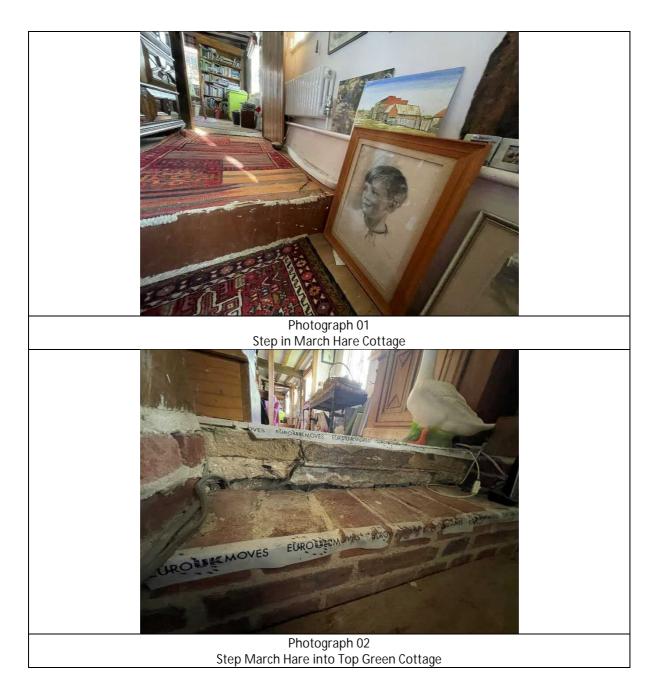
I have enclosed for reference the trial hole investigations and foundation concept prior to development of the construction drawings for submission to support discharge of conditions in accordance with approved Planning and Listed Building consent for the scheme.

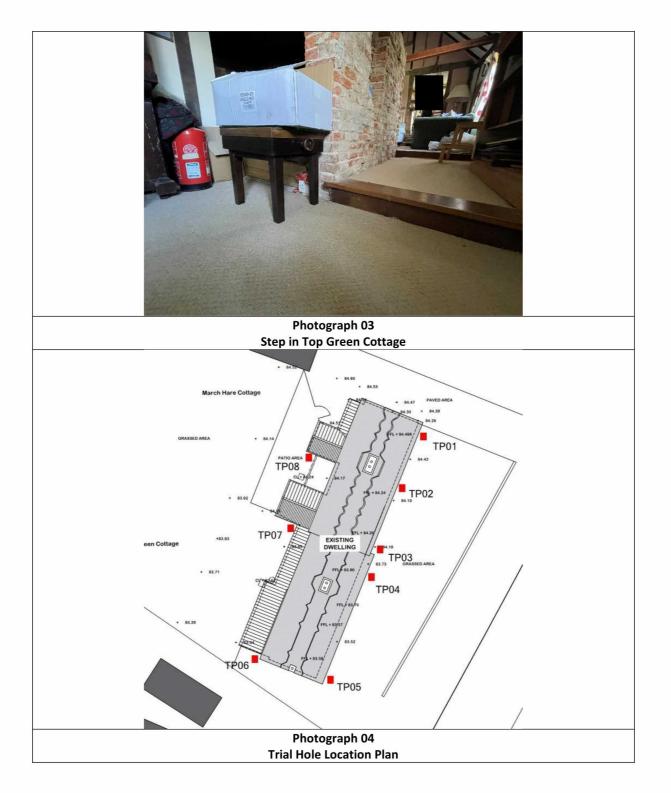
Yours sincerely For Steria Consulting LTD



GINA SOWDEN-TURNER













April 2023





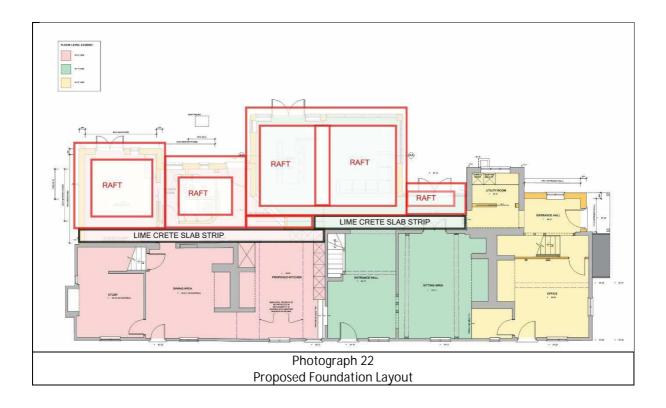
April 2023



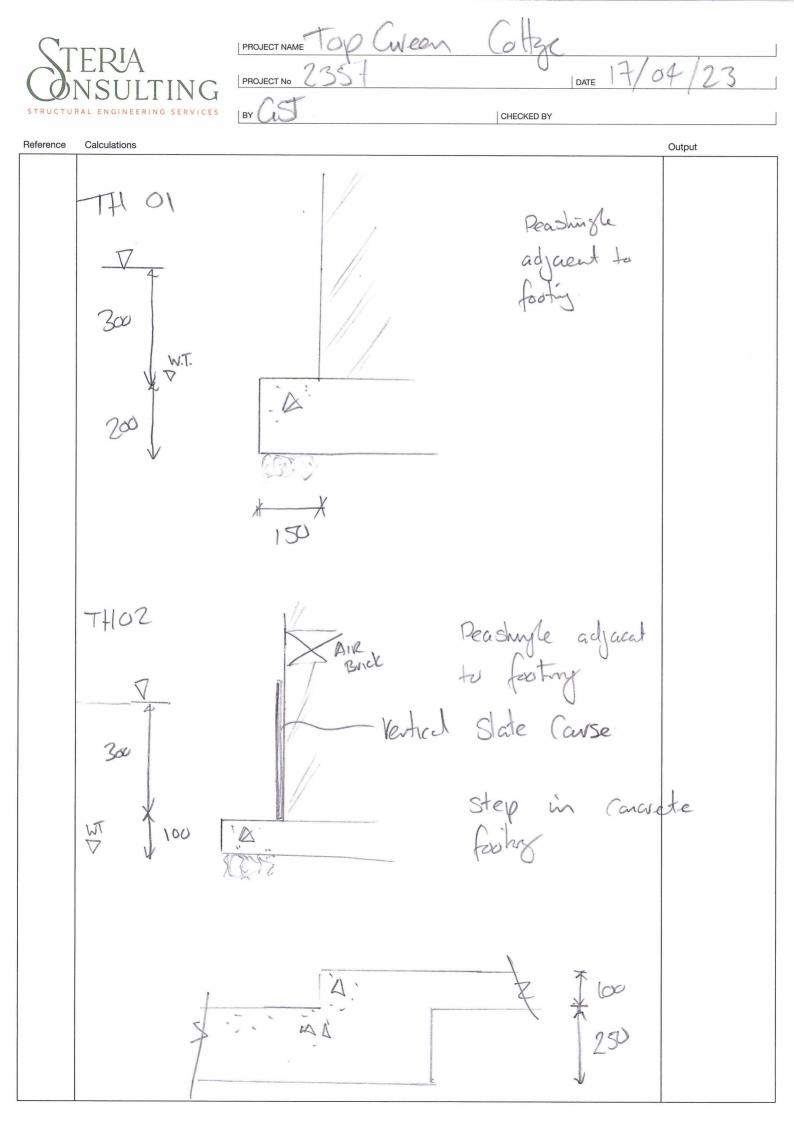




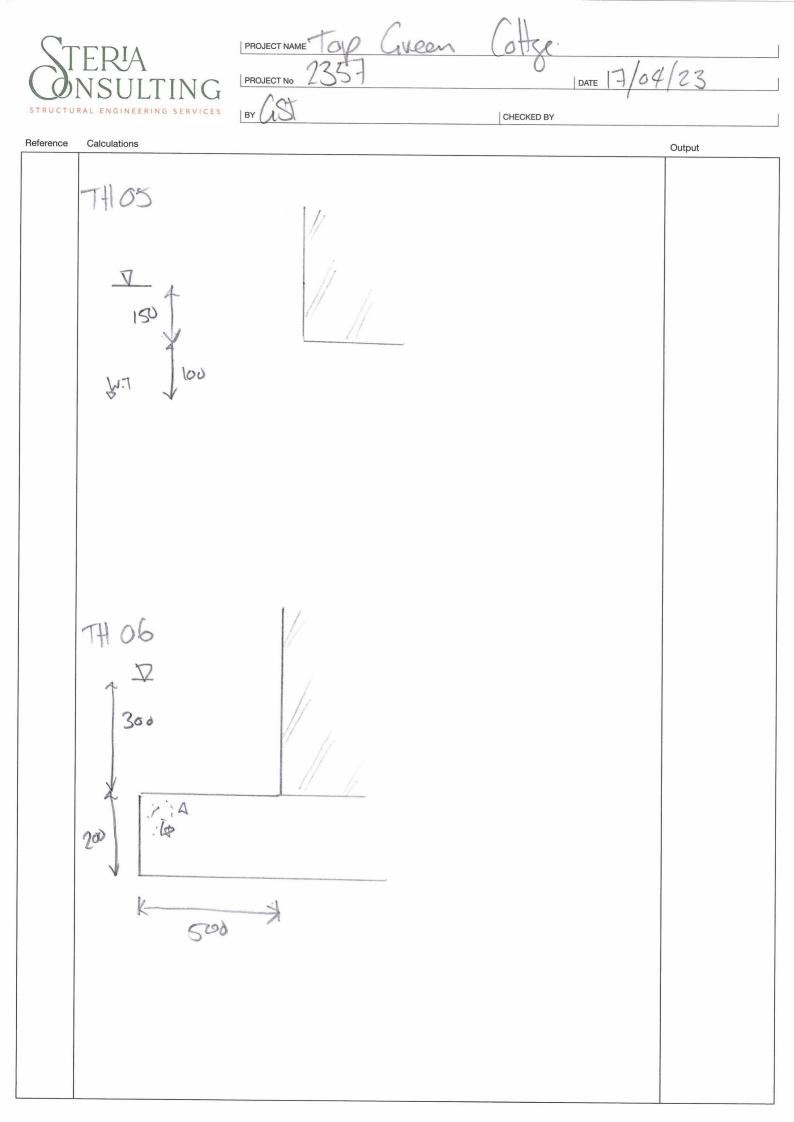


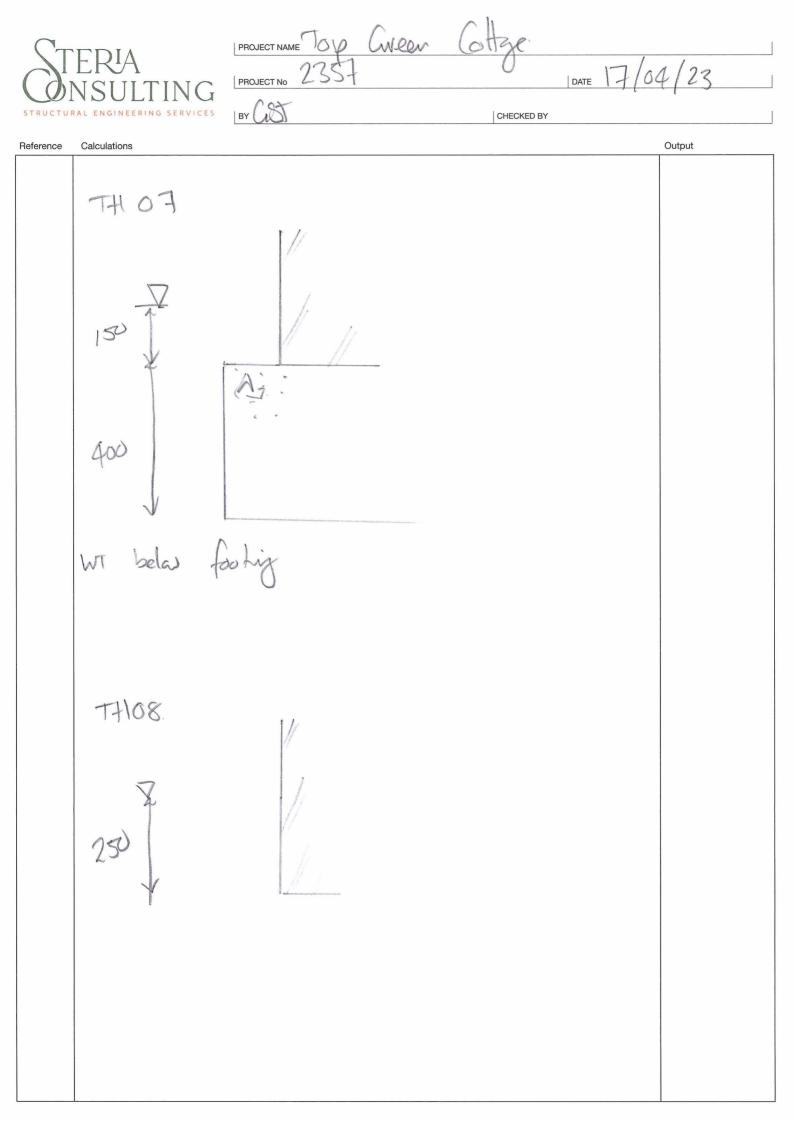






Cotty Op Ween PROJECT NAME FRIA DATE 17/04/23 PROJECT No 235 BY GST SERVICES CHECKED BY Reference Calculations Output 77103 Peasingle adjacent $\overline{\nabla}$ Vertical Slute bod 200 AH. 300 No water. Corrohates with TH04 Internel TH. 720 W. cill Gh





5p Given Cothye PROJECT NAME 23 PROJECT No 235-DATE 9 BY CHECKED BY Reference Calculations Output Proposed fundation - Lextension 700 Linnecrete Strip 450 Wall / footings Lime slab New raft Strip fundation Nes hie Slab 45° ongle of vepose undistanted Sail for new vaft, Cast raf Nen replace