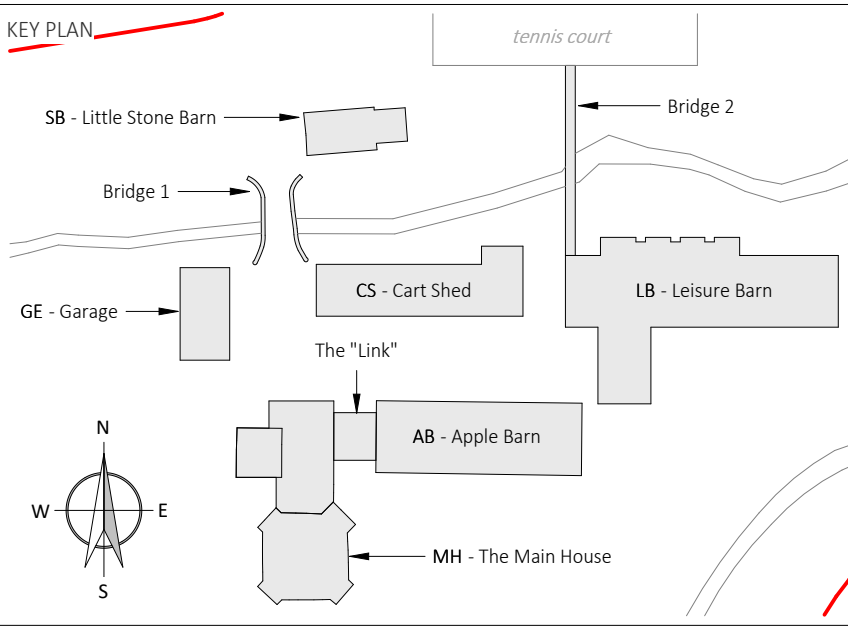
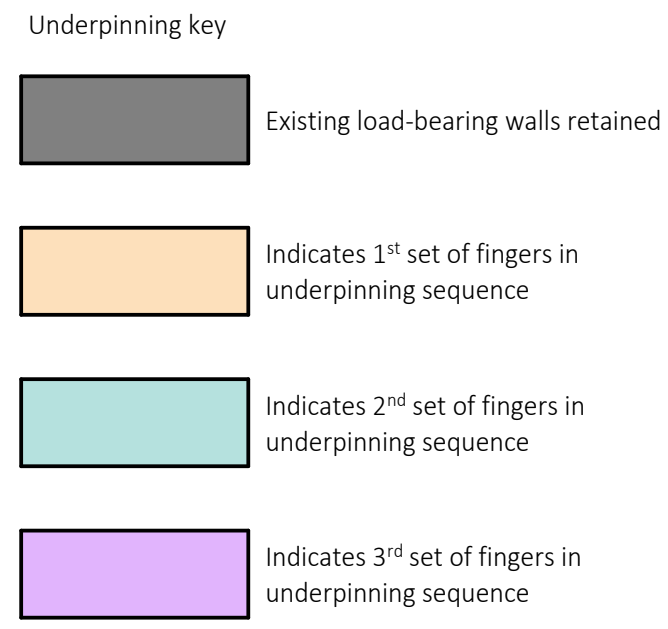


Apple barn underpinning sequence
1:50

General notes:
 1. Refer to architects existing drawings for full extent of demolition works.
 2. Contractor to review and comment on underpinning sequence and buildability.

Method statement:
 Pre-commencement
 • All underpinning works shall comply with BS 8004; contractor to confirm all foundation levels prior to carrying out underpinning.
 • Before commencing works the contractor shall examine the proposed layout to ensure safe and workable schedule of works is maintained. The contractor shall provide their schedule of works indicating for each pin:
 a. Commencement of excavation
 b. Completion of excavation
 c. Concreting
 d. Dry packing
 • Before undertaking any excavations, the contractor shall locate any existing services in the vicinity.
 • The excavation and construction of the sections shall be carried out in a sequential pattern such that a maximum degree of support is offered to the wall at all times. Short sections shall not exceed 1000mm length, as shown.
 • The temporary support to excavated faces is the responsibility of the contractor.
 • Ground conditions and adjacent existing walls should be continually monitored for any movement by the contractor and all necessary shoring equipment should be available to use on site.
 • If in doubt or any signs of distress are observed in the existing wall then contact the structural engineer immediately.

Underpinning sequence:
 1. Excavate trenches in location 1 where the new footings are to be located until the design depth is reached. The maximum length of excavation will be 1000mm.
 2. Suitably monitor the stability of the adjacent existing wall during the excavation. Providing temporary support if necessary.
 3. Minimum 2No. 25mm Ø high yield reinforcement bars 600mm long should be inserted 300mm into the sides of the excavation, to tie in adjacent sections.
 4. Erect a single sided shutter and pour concrete to form the footing section. All concrete to be minimum grade FND2 and be poked vibrated.
 5. A further 48 hours must be allowed before an adjacent section can be excavated.
 6. Repeat the above steps for the remaining footing sections in the suggested sequence.



NOTES
 1. All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
 2. This drawing is to be read in conjunction with all relevant engineers' and service engineers' drawings and specifications. This drawing is copyright.

REVISIONS

Rev.	Revision Notes	Date	Drawn By	Checked	Approved By
P03	A3 - RIBA Stage 3 updated	22.03.2024	Sinead. G	Calum. J	Miles. S
P02	A3 - RIBA Stage 3	08.12.2023	Sinead. G	Calum. J	Miles. S
P01	S4 - Suitable for stage 3 approval	01.12.2023	Sinead. G	Calum. J	Miles. S

CLIENT
 Mr. and Mrs T Steyn

PROJECT
 West Bradley House

TITLE Apple barn basement underpinning sequence	
HYDROCK PROJECT NO. 28421	SCALE @ A1 1:50
STATUS DESCRIPTION RIBA Stage 3	STATUS A3
DRAWING NO. WBH-HYD-AB-F1-DR-S-1510	REVISION P03

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