

Foundation Work

EXCAVATION FOR FOUNDATION

Basic workmanship for excavating shall comply with Eurocode 7: Geotechnical Design. Before beginning general excavation or filling excavate top soil from required area to full depth and keep separate from excavated subsoil.The temporary support of trenches should be provided where necessary.

FOUNDATIONS

Use concrete strip (1:3:6 mix) GN3 nominal, use sulphate resistance cement if ground condition dictate. Foundations to below invert level of any adjacent drains and no foundations to be built over any drains. The depth of the foundations are to be dependant on site conditions and constructed to Local Authority approval. Foundations to be constructed in accordance with current Eurocodes EN1992/1997. Foundations also to comply with Approved Document A and BRE Digest 298 and NHBC practice Note 3 guidelines. Where any roots present, continue foundations down to 800mm below the roots. Foundations should not be made on made ground or wide variation in type of subsoil within the loaded area.Note there are trees within 30M of the proposed works.

The following design provisions relate to foundations:

- a. Foundations should be centrally situated under the walls;
- b. Strip foundations should have a minimum width of 800mm;
- c. The soil is firm sandy clay, can be moulded by substantial pressure with the fingers and can be excavated with graft or spade and the loading (D.L. + I.L.) is less than 60kN/m2 run.
- d. Concrete should be composed of cement to BS12:1978 and fine and coarse aggregate confirming to BS882:1983:
- e. The minimum thickness of foundation to be 750mm;
- f. Foundations of piers, buttresses, and chimneys etc., should project as indicated on the drawings.

Concrete Work

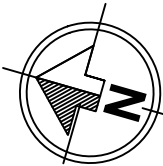
- 1. USE CONCRETE GRADE C30/40 EVERYWHERE
- 2. PROVIDE 30mm NOMINAL CONCRETE COVER AND 50mm WHERE IN CONTACT WITH SOIL
- 3. ALLOW 47 HOURS FOR PAD STONES TO CURE BEFORE STRIKING TEMPORARY SUPPORT TO STEEL BEAMS BEARING ON THE PAD STONES
- 4. FOUNDATION TO BE CONSTRUCTED IN MINIMUM 100 kN/m2 SOIL AND DEPTH OF FOUNDATION TO BUILDING CONTROL RECOMMENDATIONS
- 5. WITH ADJACENCY TO TREES FOUNDATIONS TO BE CONSTRUCTED AT A MINIMUM DEPTH OF 1.7m TO BCO RECOMMENDATIONS
- 6. PROVIDE MINIMUM 100mm TO STEEL FRAME CONSTRUCTED IN FOUNDATIONS AND WHERE IT COMES IN CONTACT WITH SOIL.
- 7. CONTRACTOR TO PRODUCE FULL REBAR SCHEDULE AND REINFORCEMENT DETAILS AND SUBMIT TO THE APPROVAL OF THE SE OR BCO PRIOR TO CONSTRUCTION
- 8. ALL BASEMENT WORKS AND ASSOCIATED DAMP PROOFING IS CONTRACTOR DESIGNED AND TO BE UNDERTAKEN BY AN APPROPRIATE SPECIALIST

Notes :

- 1. All Dimension are in millimeters.
- 2. All dimensions are to be checked on site and the Architect is to inform of any discrepancies before construction commences.
- 3. All references to drawings refer to current revision of that drawing.

WALL LEGEND	
	Existing Wall
	Proposed 100 mm Non-Loadbearing Stud Wall
	Proposed Block Wall
	Proposed 350mm Cavity Wall

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Rev.	Date	Revisions



Client -		
Project - 65 Cranbourne Park Hedge End Hampshire SO30 0NY		
Scale	NTS	Date - 19-04-2025
Drawn By	Checked By -	
Project No.	Drawing No.	Revision
	13	-
Project Description		
- Front Porch Extension		