



- FOUNDATIONS**
- All organic material / topsoil / made ground is to be stripped from within the areas of the buildings and external works, levels to be taken after site stripping and agreed with the supervising officer as the work proceeds.
 - All foundations shall be a minimum 600mm wide unless noted otherwise.
 - The Cohesive soils have been classified in the Site Investigation report as LOW volume change potential, and as such minimum foundation depths below existing ground level are 600mm (No new planting within zone of influence of trees).
 - Foundations have been designed using an allowable nett bearing pressure of 100 kN/m². To be founded on an undisturbed, naturally occurring strata OR improved weak and/or made ground as applicable. Any over dig to reach a suitable formation level (or to accommodate adjacent deeper drainage) is to be made up in Gen 3 concrete. All formations to be approved by the L.A inspector.
 - The Engineer shall be informed of the location and species of any new trees to be planted as they may generate variations in foundation depth requirements, it is the responsibility of the landscape Architect (or planting specifier) either to ensure planting does not affect the designed depths of foundations, or to specify depths greater than those indicated on the Engineer's drawings, all in accordance with NHBC guidelines (latest revision).
 - Construction joints and steps in foundations are to be in accordance with NHBC standards chapter 4.4 (latest revision).
 - All foundation shall have a common top level unless noted otherwise.
 - Foundation concrete to be cast against vertical earth faces. Any over excavation to be filled to the appropriate levels indicated, monolithically, with the appropriate grade of concrete specified.
 - All excavations for foundations shall be excavated checked for safe bearing capacity (see note 3) and blinded with min 50mm concrete in one working day. The excavations shall be kept free from water, loose material and rubbish etc.
 - Any services passing through the structure are to be sleeved and waterproofed to the service Engineers details.
 - Sufficient cover and protection to be provided to all services in accordance with the service providers and services Engineers requirements. Final service location/routes to be agreed.
 - Refer to Architects drawings for layout and locations of penetrations through slab.
 - All sub-floor ventilation (both internal and external walls) shall be as specified by the Architect.
 - All concrete generally to be in accordance with BS EN 206-1 and BS.8500-2.
 - Mass concrete to strip/trench fill footings and concrete pad foundations is to be designated mix FND 2 - Class AC-1 / with a corresponding design chemical class DS1 as defined by BRE special digest (TBC by Ground Investigation Report).
 - Mesh and bar reinforced concrete to reinforced ground beams, strip/trench fill footings and concrete pad foundations is to be designated mix RC32/40 - Class AC-1 / with a corresponding design chemical class DS1 as defined by BRE special digest (TBC by Ground Investigation Report).
- MASONRY RETAINING WALL**
- Reinforced base foundation is to be designated mix RC32/40. Min cement content 300kg/m³ and water/cement ratio 0.6. Max. aggregate size 20mm
 - No membranes/PVC to be used within the retaining walls.
 - Waterproofing and tanking in strict accordance with Architects details and specifications.
 - Landscape retaining walls to have rear face of masonry flush pointed and painted with 2 coats of R/W liquid asphaltic composition to manufacturers instructions.
 - Proprietary protection boards to be used prior to backfilling with pea gravel.
 - Min. 100mm diameter perforated land drain placed behind retaining wall/ wrapped in non woven geotextile and laid to falls in accordance with manufacturers instructions.
 - Back fill to consist of free draining approved granular material, well compacted in shallow layers not exceeding 150mm.
 - Blockwork below ground level to have a minimum density of 1500kg/m³ and to be made with dense aggregate to BS882 or BS1047. Minimum average crushing strength of 7N/mm² (unless stated otherwise). Mortar to be Class II.
- GENERAL**
- Do not scale from this drawing.
 - This drawing is to be read in conjunction with all relevant Architects, Engineers and Specialists drawings and specifications.
 - The Contractor is to check all dimensions on site prior to commencing work.
 - All dimensions are in millimetres unless noted otherwise.
 - For setting out refer to Architects detail. Foundations are located centrally beneath wall construction unless noted otherwise.
 - The Contractor shall be responsible for the execution of the works in accordance with the drawings and the specification and for the accuracy of all dimensions and setting out on site.
 - The Local Authority Engineer or building regulations inspector shall be given 24 hours notice for checking formations, reinforcement, granular fill, etc.
 - Any discrepancies in the details shown on this drawing to be reported to the Engineer prior to construction.
- MASONRY**
- All masonry to comply with BS 5628-3:2005, requirements for normal category of manufacturing control.
 - All blockwork below DPC to be 7.3N/mm² with net density > 1500kg/m³ laid in Class M6 mortar.
 - All brickwork below DPC to be minimum crushing strength of 35 N/mm² Type FL or FN quality bricks Cat. II HD clay masonry units, Durability - F2, Active Soluble Salt content - S2 to BS EN 771-1 be laid in class M6 mortar.
 - All external leaf blockwork to be 100mm thick unless noted otherwise.
 - All internal leaf blockwork to be 100mm thick unless noted otherwise.
 - General cavity wall tie spacing:-
 - Cavity insulation manufacturers requirements may reduce wall tie spacing.
 - For external cavity walls use Ancon SD1 ties. Ties to be spaced at 900 c/c horizontally and 450 c/c vertically. Insulation retaining discs by Ancon or equivalent.
 - Additional wall ties at 300mm centres vertically to be placed not more than 225mm from the edges of all openings and at vertical unreturned or un-bonded edges, for example at movement joints.
 - All wall ties to have 55mm minimum embedment into each leaf of the cavity wall.
 - Areas of wall ties to be de-bonded by plastic sleeves indicated on drawing by hatching.
 - All masonry dimensions, details and setting out to be confirmed by the Architect, all insulation, joint fillers / sealants and fire stopping to Architect / Specialist details and specifications.
 - Up to First Floor Blockwork to have min compressive strength of 7.3N/mm²
 - First Floor and above to have min compressive strength of 3.6N/mm²
 - For details of DPM, DPC, insulation, cavity trays etc refer to the Architects drawings and specification.

Rev	Date	Description
CLIENT		
Colwich Parish Council		
PROJECT TITLE		
Great Haywood Memorial Hall		
DRAWING		
Footpath link between surgery and carpark		
Drawn by:	Date:	Checked by:
MR	23/09/19	
Scale:	As shown @A1	Status: Preliminary
Project No:	190497	Drawing No: 01
		Rev: P01

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