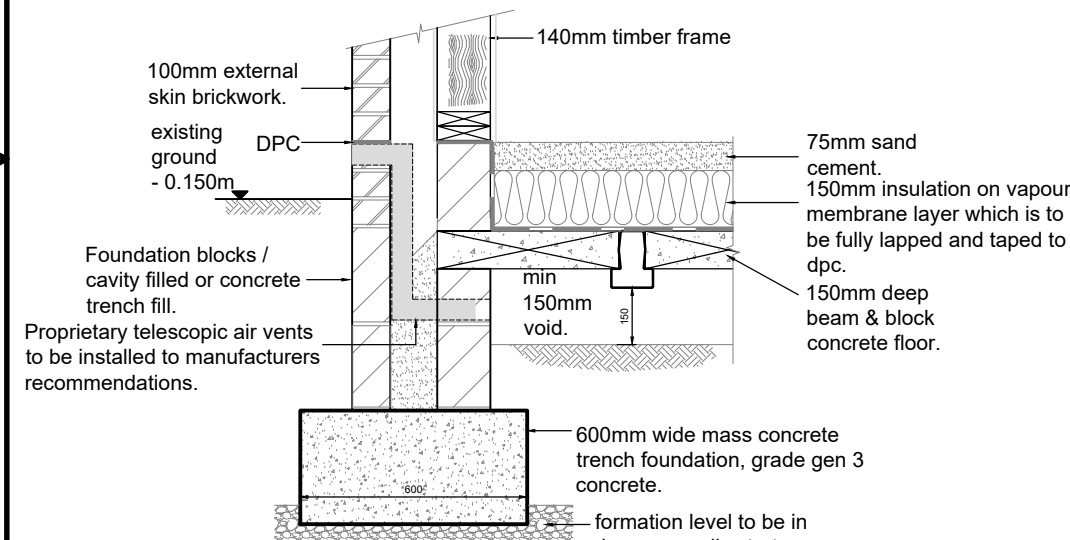
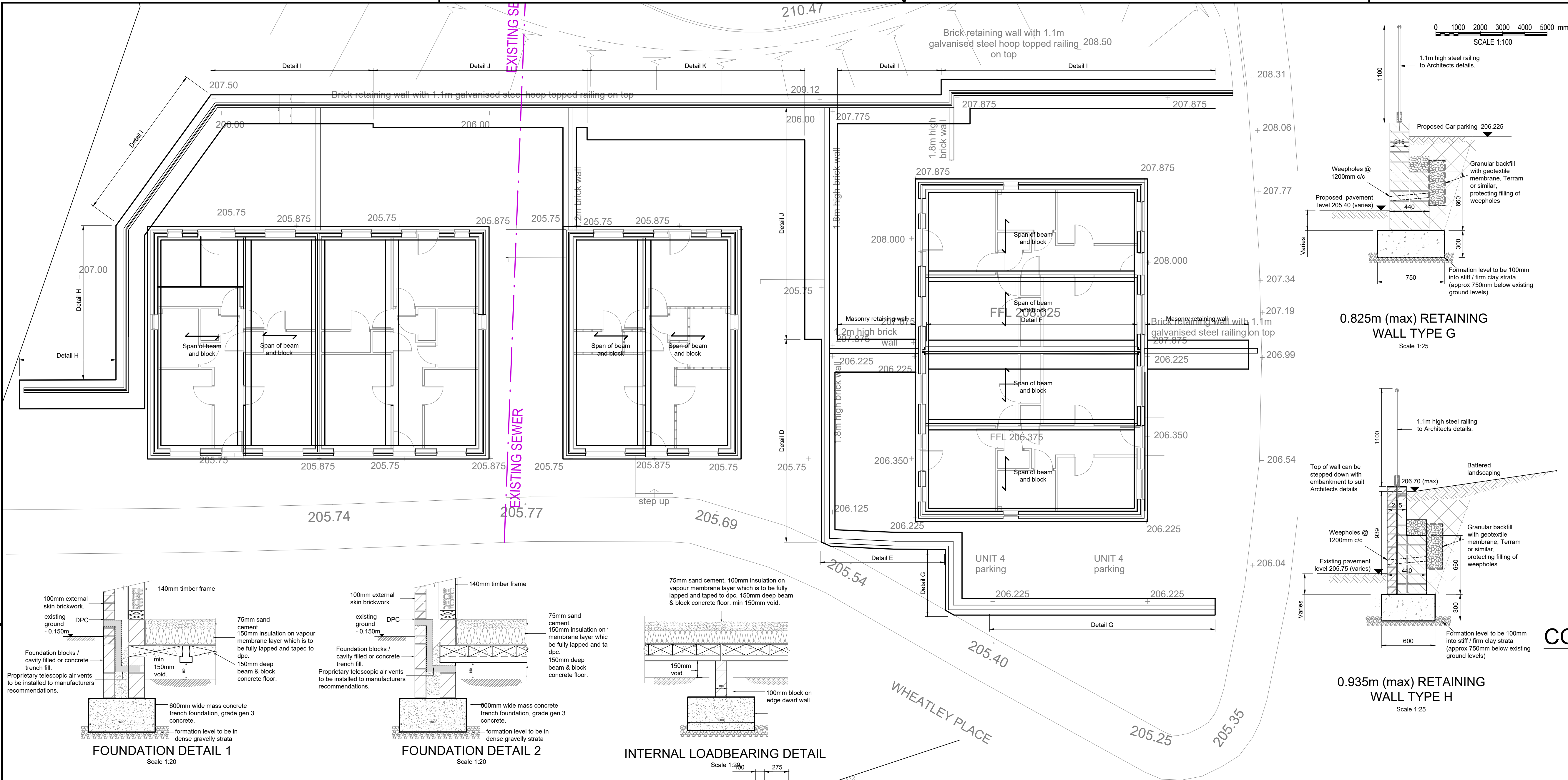
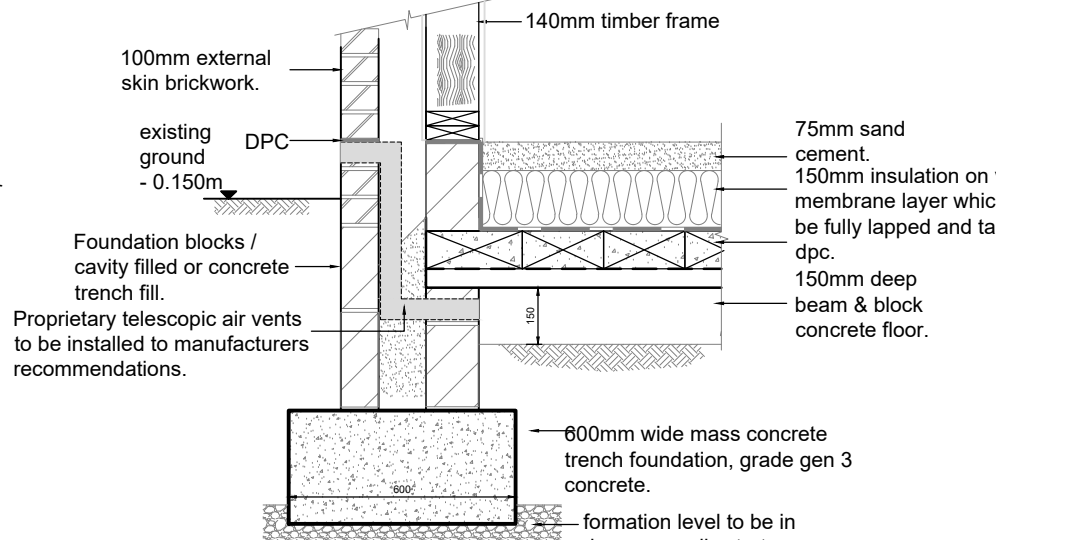
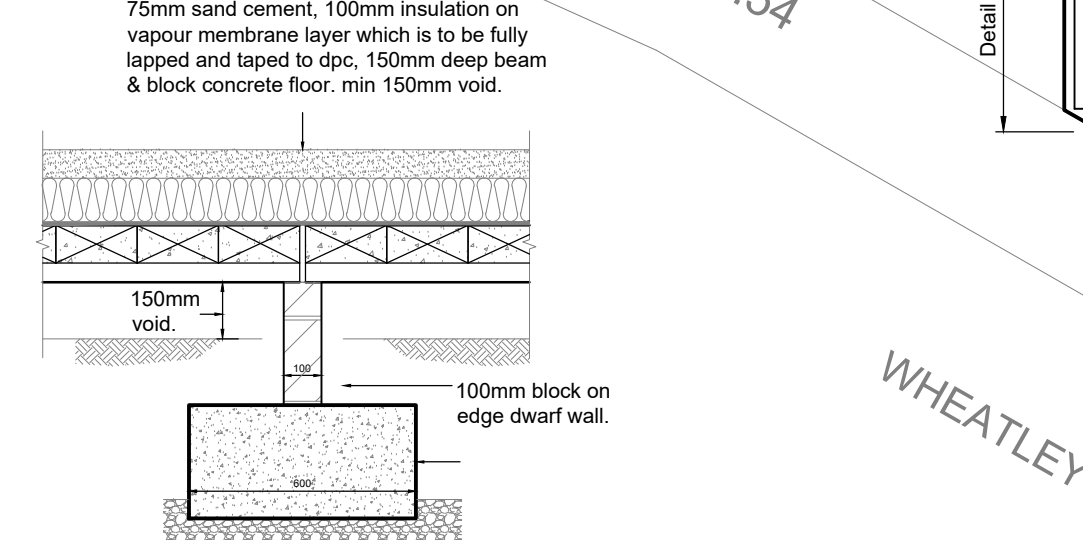




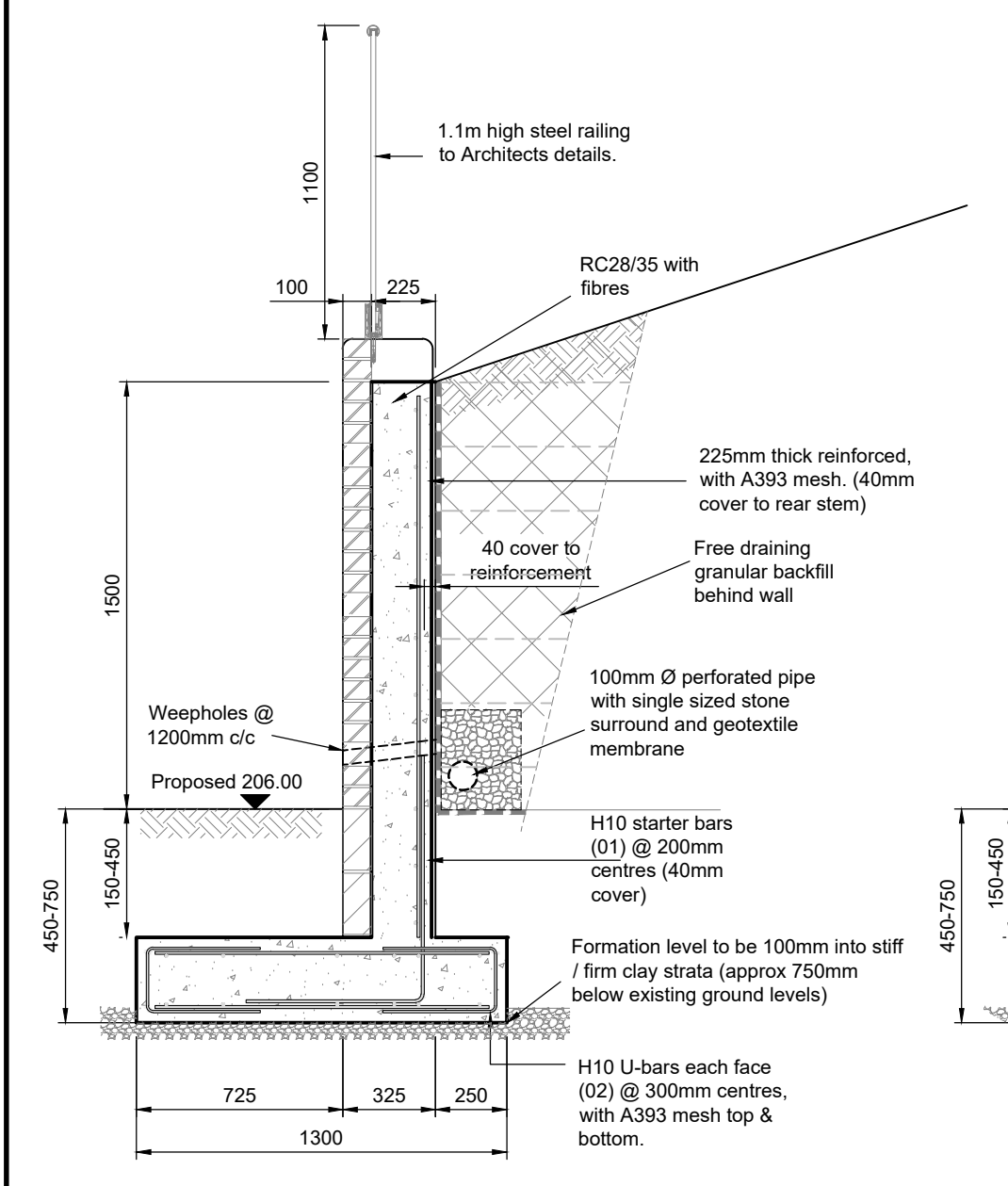
FOUNDATION DETAIL 1
Scale 1:20



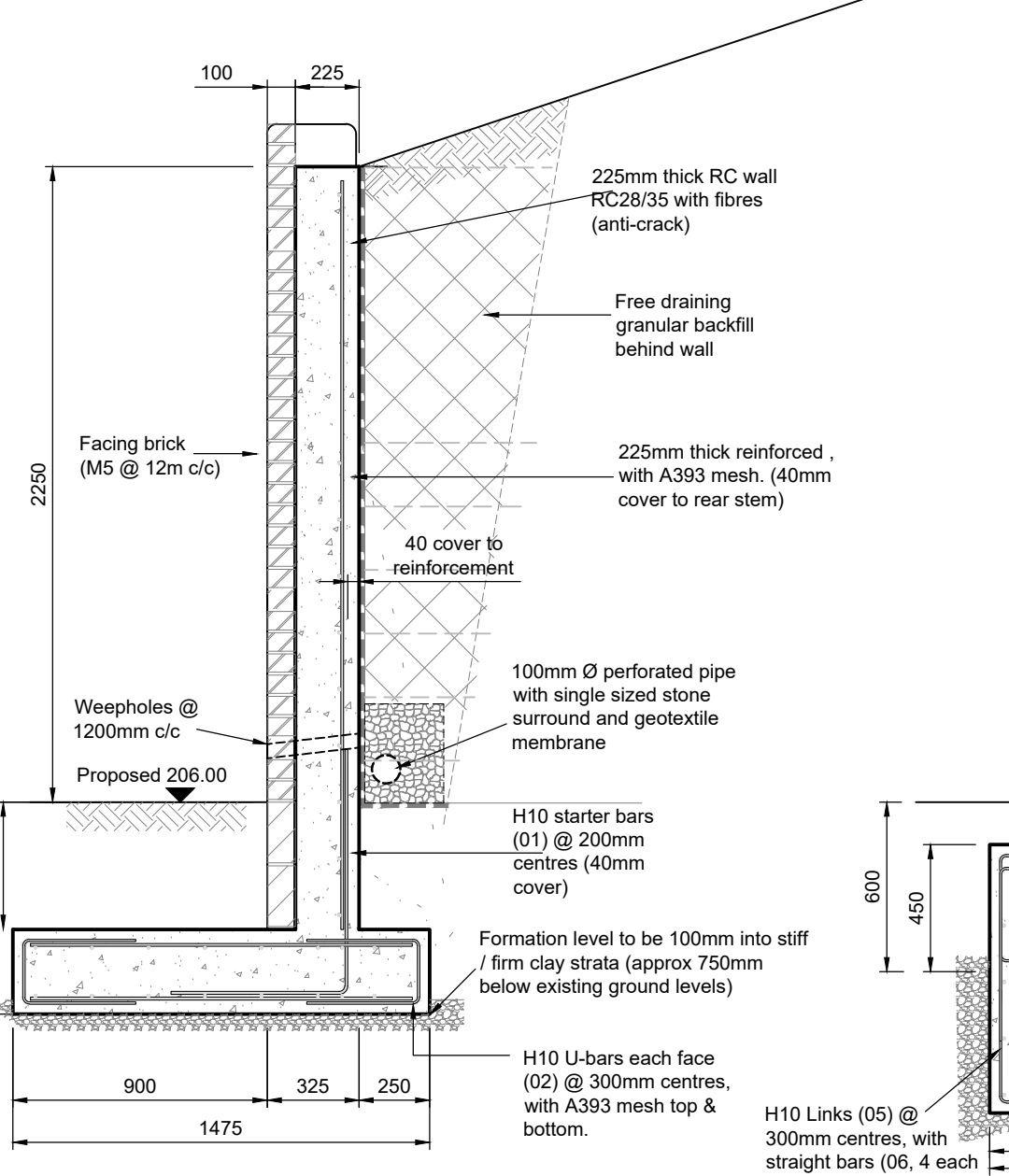
FOUNDATION DETAIL 2
Scale 1:20



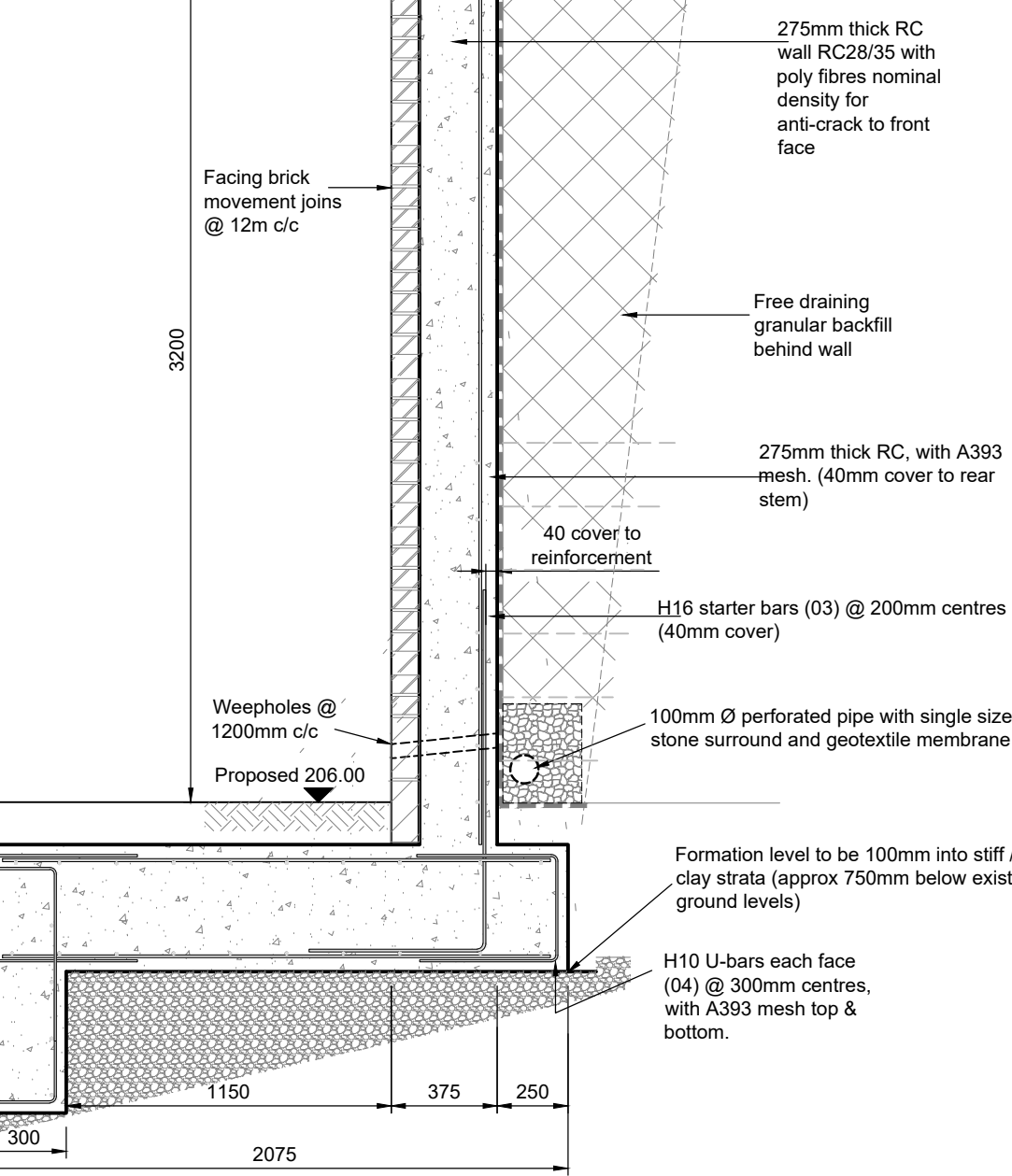
INTERNAL LOADBEARING DETAIL
Scale 1:40



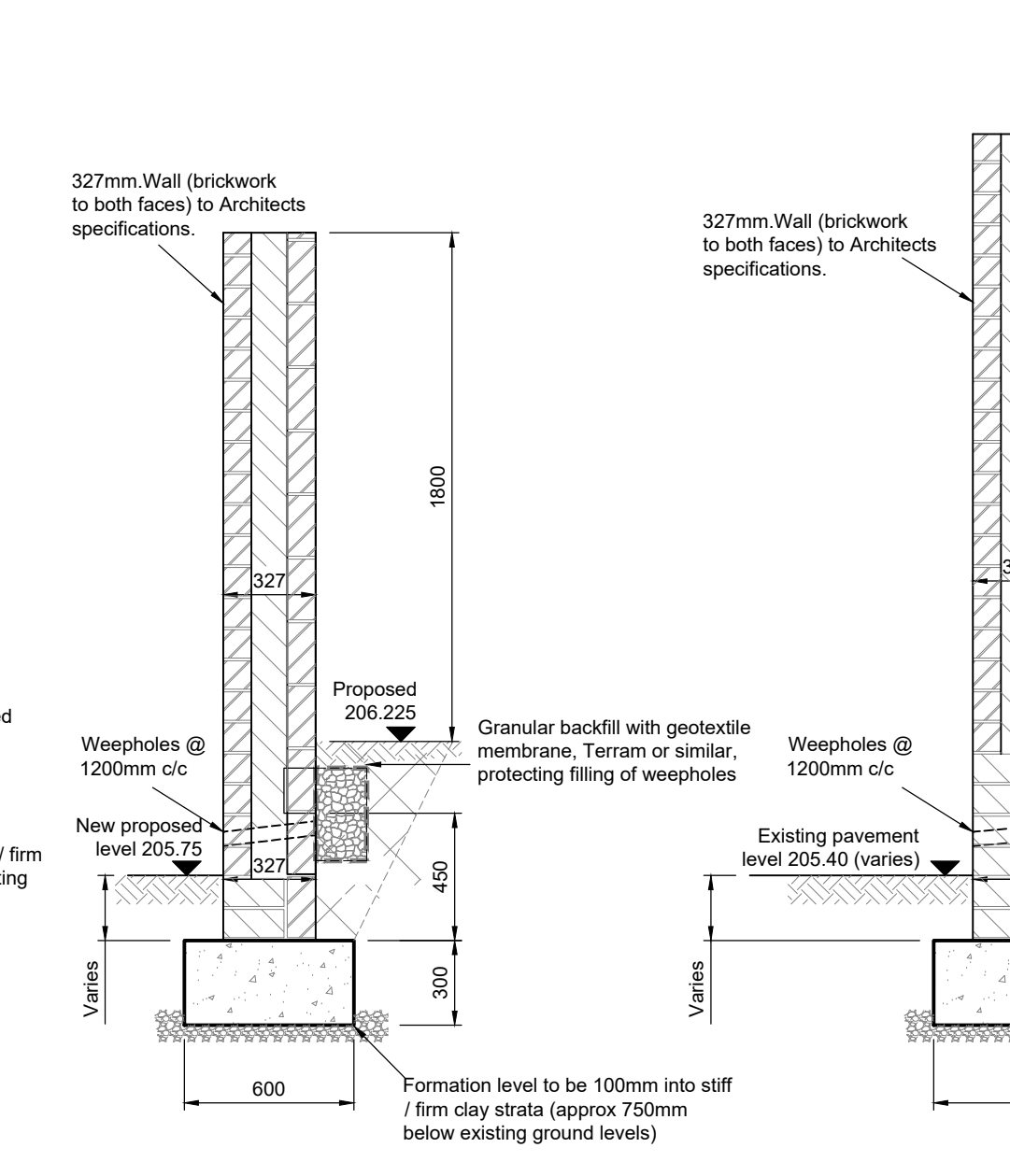
1.5m RETAINING WALL TYPE I
Scale 1:25



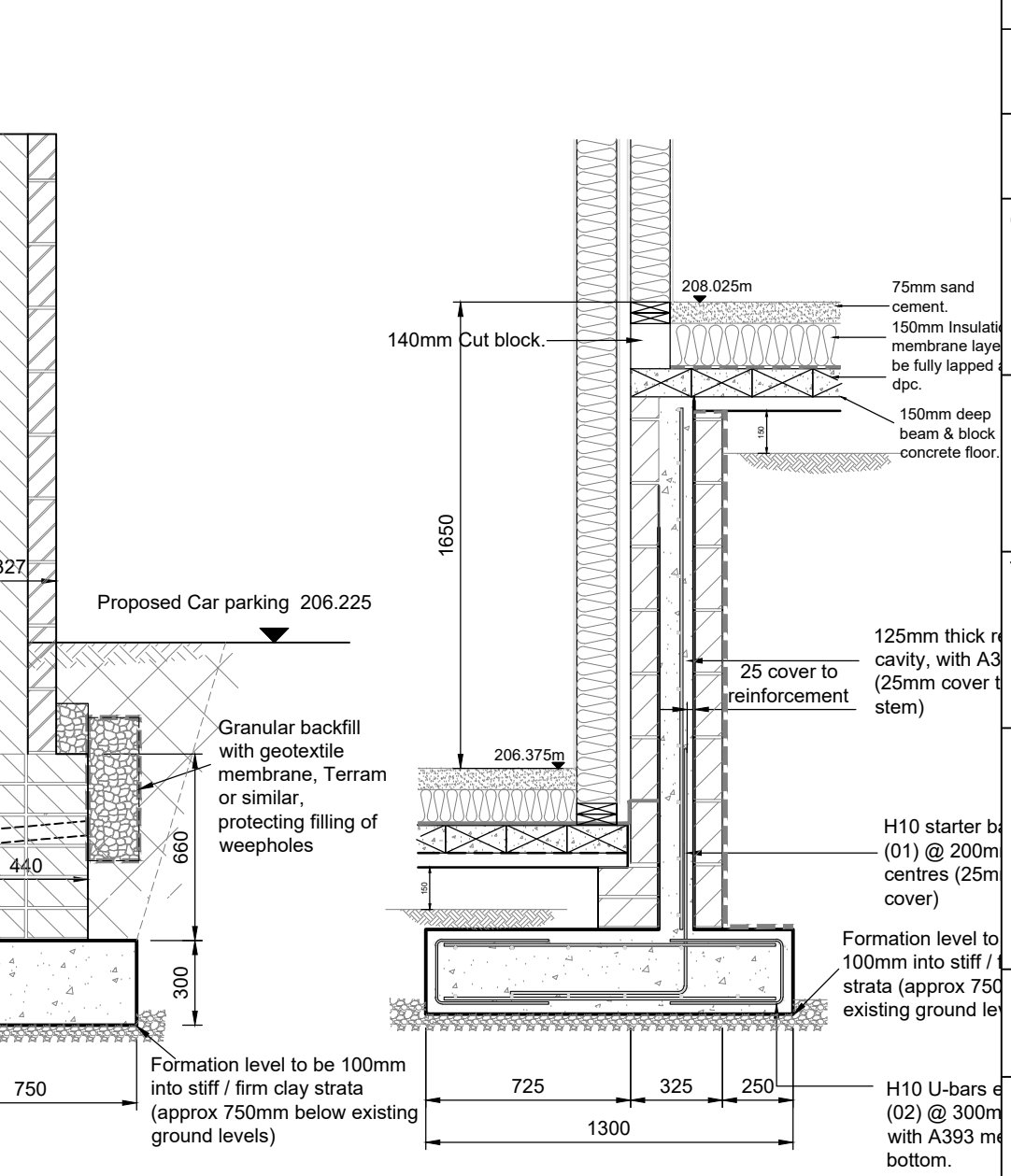
2.25m RETAINING WALL TYPE J
Scale 1:25



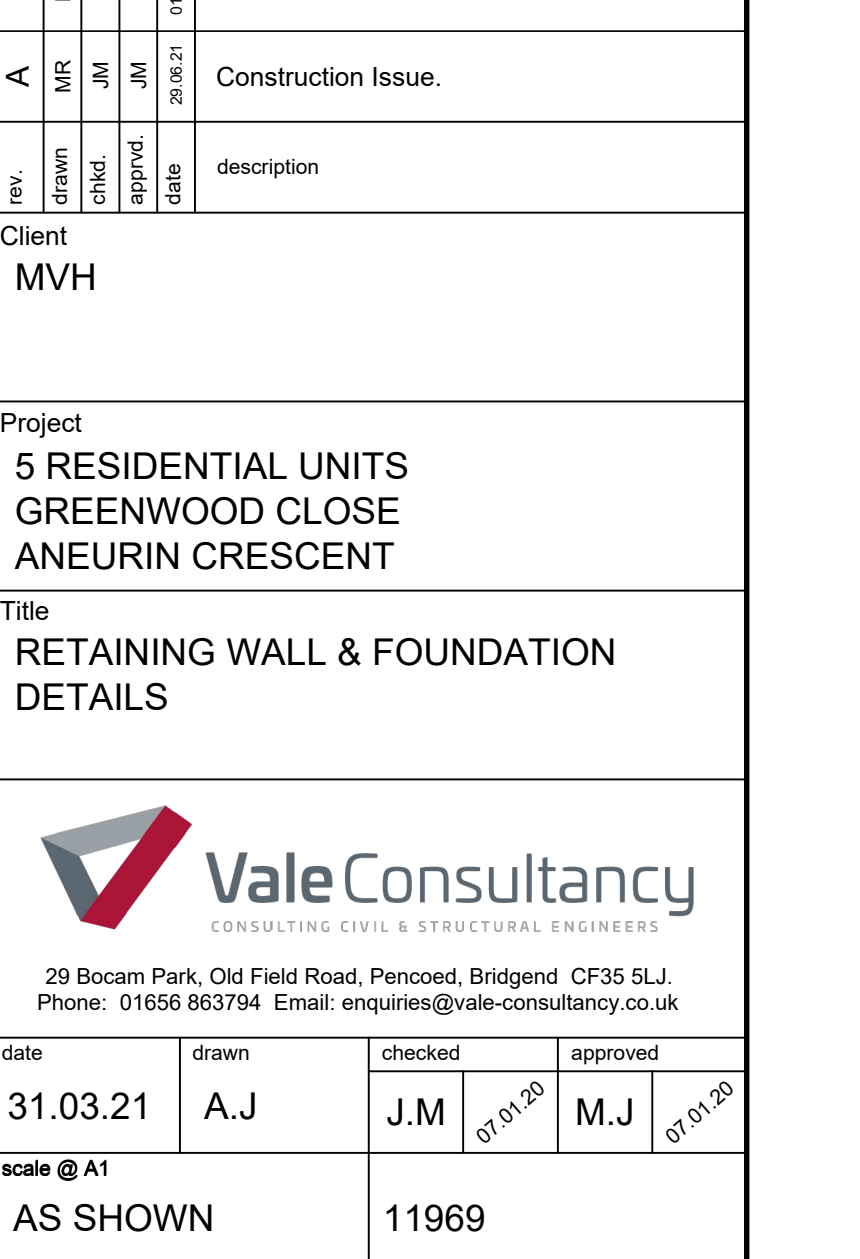
3.2m RETAINING WALL TYPE K
Scale 1:25



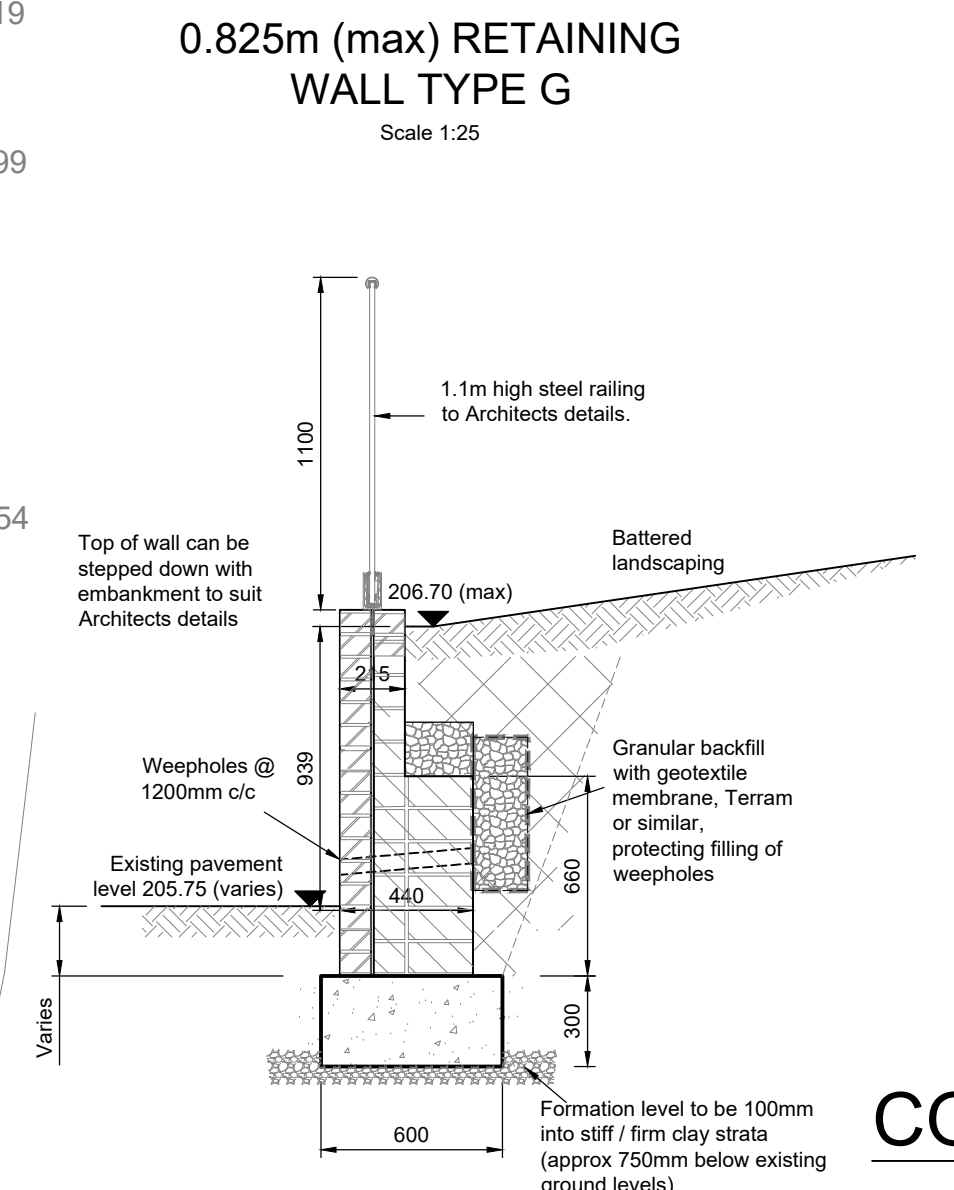
0.6m (max) RETAINING WALL TYPE D
Scale 1:25



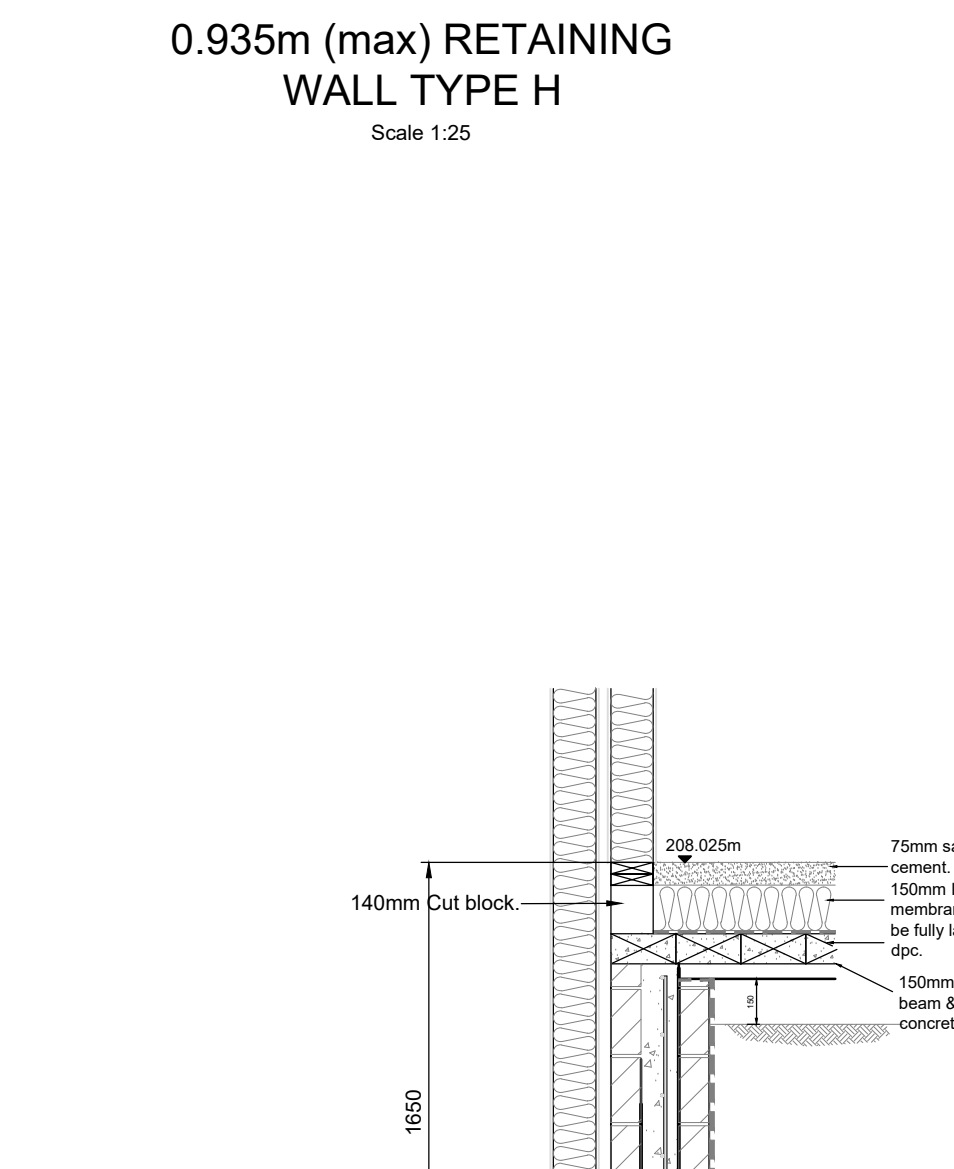
0.825m (max) RETAINING WALL TYPE E
Scale 1:25



1.2m RETAINING WALL TYPE F
Scale 1:25



0.825m (max) RETAINING WALL TYPE G
Scale 1:25



0.935m (max) RETAINING WALL TYPE H
Scale 1:25

- NOTES**
1. All dimensions are in millimetres unless noted otherwise.
 2. All levels are shown in metres unless noted otherwise.
 3. Do not scale from the drawing. Use figured dimensions only.
 4. Any discrepancies to be reported immediately to the engineer.
 5. This drawing to be read in conjunction with all relevant Architects, engineers, subcontractors and specialists drawings and specifications.
- CONCRETE NOTES**
1. Carry out all concrete works in accordance with BS 8004 & BS 8110 and the specification. Keep a copy of these documents available on site.
 2. Granular material is to be thoroughly consolidated in layers and if any soft spots are encountered, they are to be removed and replaced with granular material compacted in layers. Each layer is not to exceed 225mm after compaction.
 3. Strip footings to be central under load bearing walls unless noted otherwise.
 4. Formation levels of all strip footings to be min. 600mm below existing ground level.
 5. All mass concrete grade to be GEN 3 min. (Sulphates = Design class - DS-1, ACEC class AC-1 (BRE-2005).
 6. All formation levels in excavations are to be inspected by a competent person (Building Inspector / engineer) before concrete strip footings are poured.
 7. All dimensions to be checked by contractor prior to construction.
 8. Allowable ground bearing pressure of 100KN/m² has been assumed.
- MASONRY AND STEELWORK NOTES:**
1. Carry out all Masonry works in accordance with BS 5628.
 2. All load bearing masonry blockwork to be a Min. 7.3N/mm² compressive strength unless noted otherwise.
 3. All non load bearing blockwork is to be bed/coursed into load bearing walls to provide restraint to the adjacent panel.
 4. Masonry construction is to be fully tied at floor levels with 50x2000 mild steel straps @ 1800c/c.
 5. All padstones to be 440x100x215mm deep concrete unless noted otherwise.
 6. All steelwork to be grade S275 (Grade43) to E.N.10025 & 10210 (UNO).
 7. All universal beams, joists, universal columns & channels to be minimum of S355 grade (UNO).
 8. Minimum steel grading for flat plates and angles are S275 grade (UNO).
 9. Minimum steel grading for CHS, RHS & SHS are to be S235 grade(UNO).
 10. All steelwork is to be blast cleaned to B.S. 5493 second quality and have 75 micron High build zinc phosphate primer. All exterior steelwork is to be galvanised.
 11. All shop and site bolts are to be sheradised to BS 4921: class 1.
 12. All bolts to be grade 8.8. Welds min. 6mm fillet UNO.
 13. The steelwork Contractor is responsible for all temporary bracing.
 14. Steelwork has been designed in accordance with B.S. 5950, all moments and shear forces indicated are ultimate.
 15. Steelwork connections are to be designed by a specialist sub-contractor. All fabrication details and design calculations are to be presented to the Engineer and commented upon before fabrication commences.

CONSTRUCTION ISSUE

G	AJ	JM	JM	Updated for Latest plot layouts, due to existing sewer.
F	AJ	JM	JM	Updated for Latest plot layouts, due to existing sewer.
E	JM	JM	JM	Updated for fibre mesh reinforced wall, with steps & sheet piling location
D	AJ	JM	JM	Updated to suit planning comments.
C	MR	JM	JM	Section H added
B	MR	JM	JM	Revised to Architects specifications.
A	MR	JM	JM	Construction Issue.
rev.	drawn	chkd	approved	description

Client				MVH			
Project				5 RESIDENTIAL UNITS GREENWOOD CLOSE ANEURIN CRESCENT			
Title				RETAINING WALL & FOUNDATION DETAILS			
ValeConsultancy				CONSULTING CIVIL & STRUCTURAL ENGINEERS			
29 Bocam Park, Old Field Road, Pencoed, Bridgend CF35 5LJ. Phone: 01656 863794 Email: enquiries@vale-consultancy.co.uk							
date	drawn	checked	approved	date	drawn	checked	approved
31.03.21	A.J	J.M	M.J	07.01.20			
AS SHOWN				11969			
status	drg. no.			status	drg. no.		
C	11969-01			G			