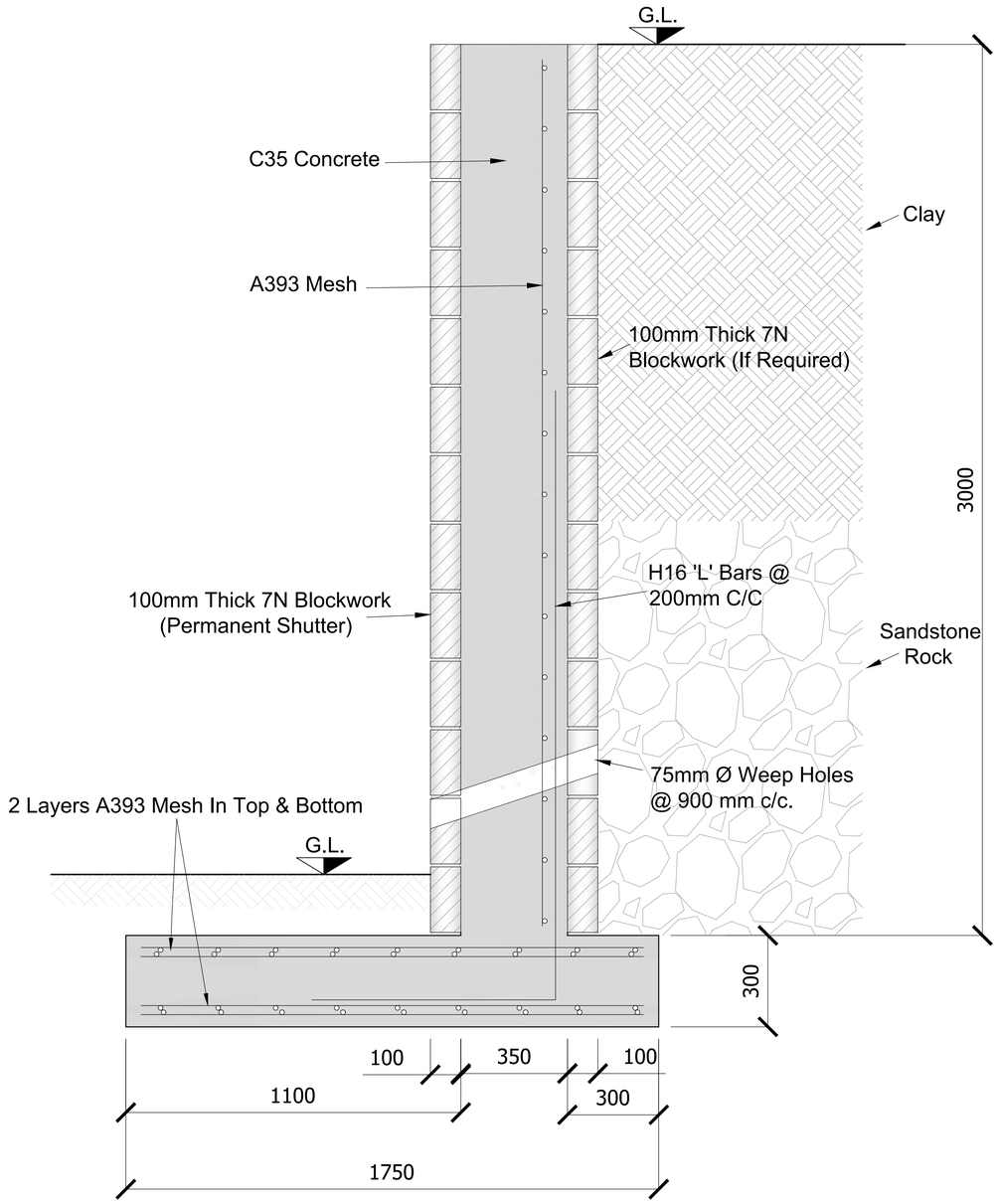
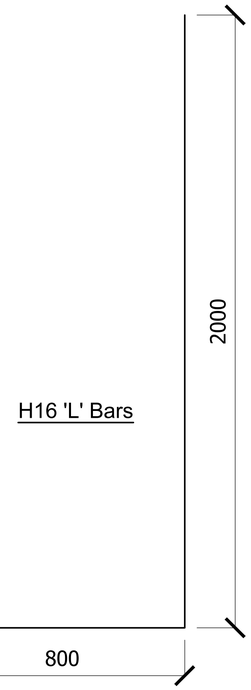


Retaining Wall Detail Scale 1 : 10



SCALE 1:20

SCALE 1:100

REINFORCEMENT NOTES

1.

2. TO BE READ IN CONJUNCTION WITH THE ARCHITECTS DRAWINGS.

3. SHOULD AIR TEMPERATURE FALL TO 3° C OR LESS, SPECIAL PRECAUTIONS ARE TO BE TAKEN, ALL TO THE APPROVAL OF THE ENGINEER.

4. COVER TO REINFORCEMENT IN SLAB TO BE 50mm TOP & 50mm BOTTOM UNLESS STATED OTHERWISE.

5. COVER TO REINFORCEMENT IN EDGE THICKENING TO BE MIN 50MM TO SIDES AND TOP AND 50MM TO BOTTOM.

6. BARS PREFIXED 'H' ARE GRADE 460 TYPE 2 DEFORMED STEEL BARS IN ACCORDANCE WITH BS 8666 : 2005.

7. MINIMUM LAP LENGTHS :-
   - 10mm Ø BARS - 500mm
   - 12mm Ø BARS - 600mm
   - 16mm Ø BARS - 800mm
   - 20mm Ø BARS - 1000mm
   - 25mm Ø BARS - 1250mm

8. FOR BAR BENDING DIMENSIONS REFER TO THE RELEVANT REINFORCEMENT SCHEDULE

9. ALL CONCRETE TO HAVE A CHARACTERISTIC COMPRESSIVE STRENGTH MIN 35 N/mm² AT 28 DAYS. MINIMUM CEMENT CONTENT = 360 kg/m^3 . MAXIMUM FREE WATER / CEMENT RATIO = 0.45. NOMINAL MAXIMUM AGGREGATE SIZE = 20mm.

10. ALL CONCRETE TO BE PLACED IN ACCORDANCE WITH THE RECOMMENDATIONS OF BS 8110 : PART 1 : 1997.

11. SURFACE FINISH TO CONCRETE TO BE A FINE SMOOTH FINISH TO EXPOSED FACES AND A BASIC FINISH TO ALL OTHER FACES IN ACCORDANCE WITH THE SPECIFICATION.

GROUND AT FORMATION LEVEL TO BE ASSUMED NATURAL UNDISTURBED CAPABLE OF SAFELY SUPPORTING 150kN/m²

Preliminary

CDM 2015

UNLESS NOTED OTHERWISE BELOW, EDGE (THE DESIGNER) HAS NOT IDENTIFIED ANY SIGNIFICANT RISK ASSOCIATED WITH THE DESIGN INTENT SHOWN ON THIS DRAWING WHICH COULD NOT BE MANAGED SAFELY BY A COMPETENT CONTRACTOR.

WHERE WE HAVE IDENTIFIED RISKS BELOW, REFER TO THE PROJECT RISK ASSESSMENTS ISSUED WITH DESIGN CALCULATIONS.

ELEMENT/OPERATION	IDENTIFIED HAZARDS
X X X	X X X

WHERE THE ABOVE IS BLANK -
NO UNUSUAL RISKS HAVE BEEN IDENTIFIED

RISK LEGEND

COMPULSORY ACTION
PROHIBITIVE ACITON
INFORMATION
WARNING

Rev.	Revision Description	Drn			Date

A.J.S.
Structural Design
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Client:
Orchard Court
Leek

Title:
Proposed
Retaining Wall

Drawn by:	Date:	Index No.:
MP	July 2017	

Scales:
1 : 10 Paper Size A1

Drawing No: A3174 - 100

Revision: Pre