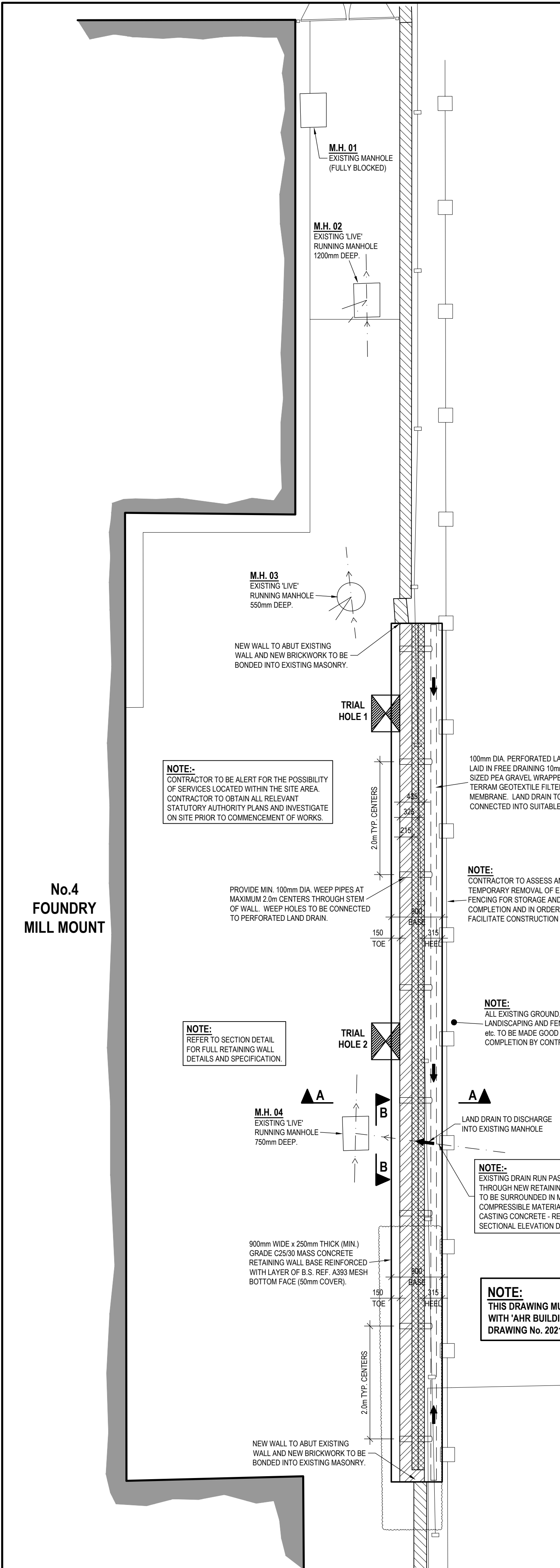
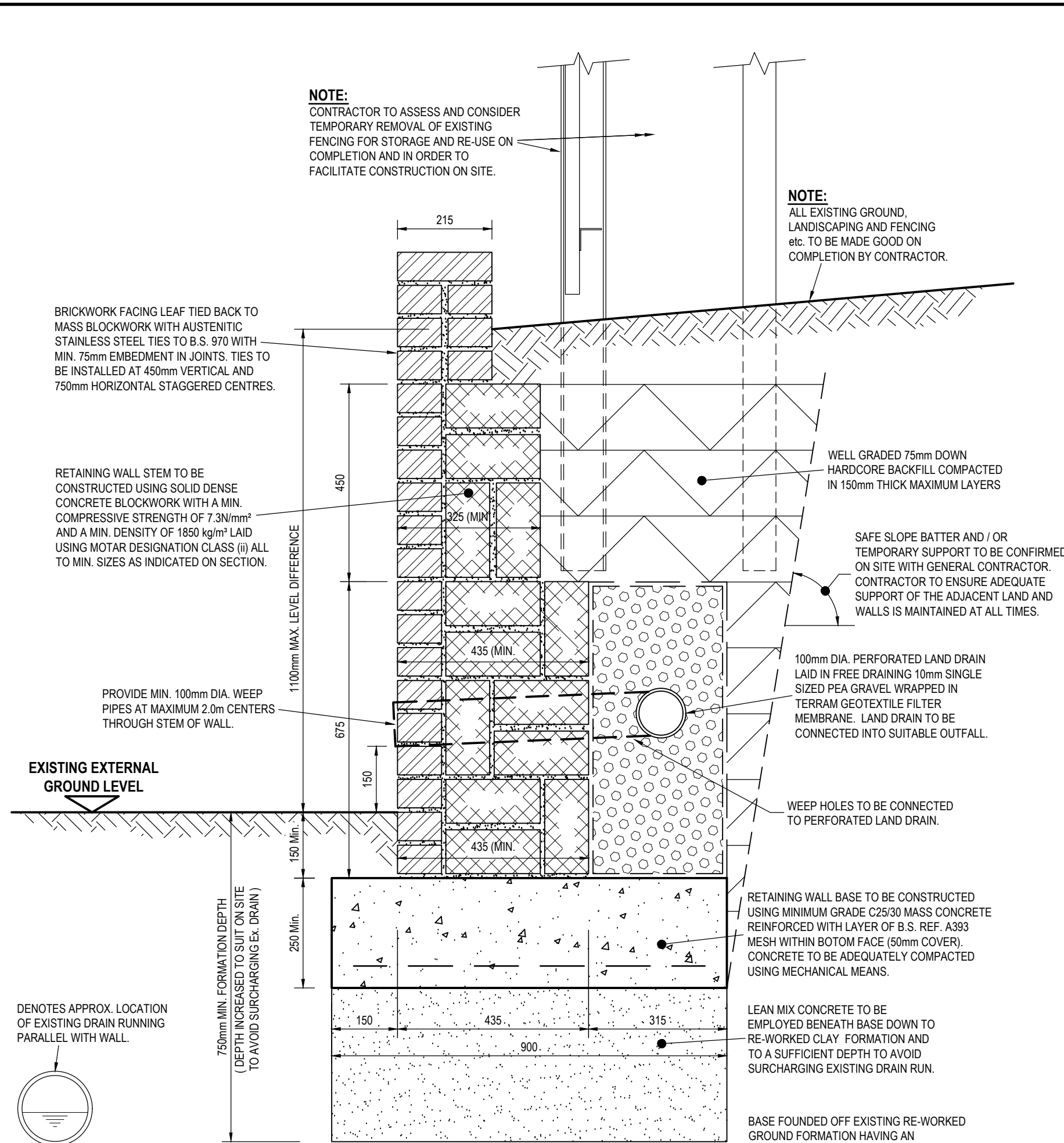


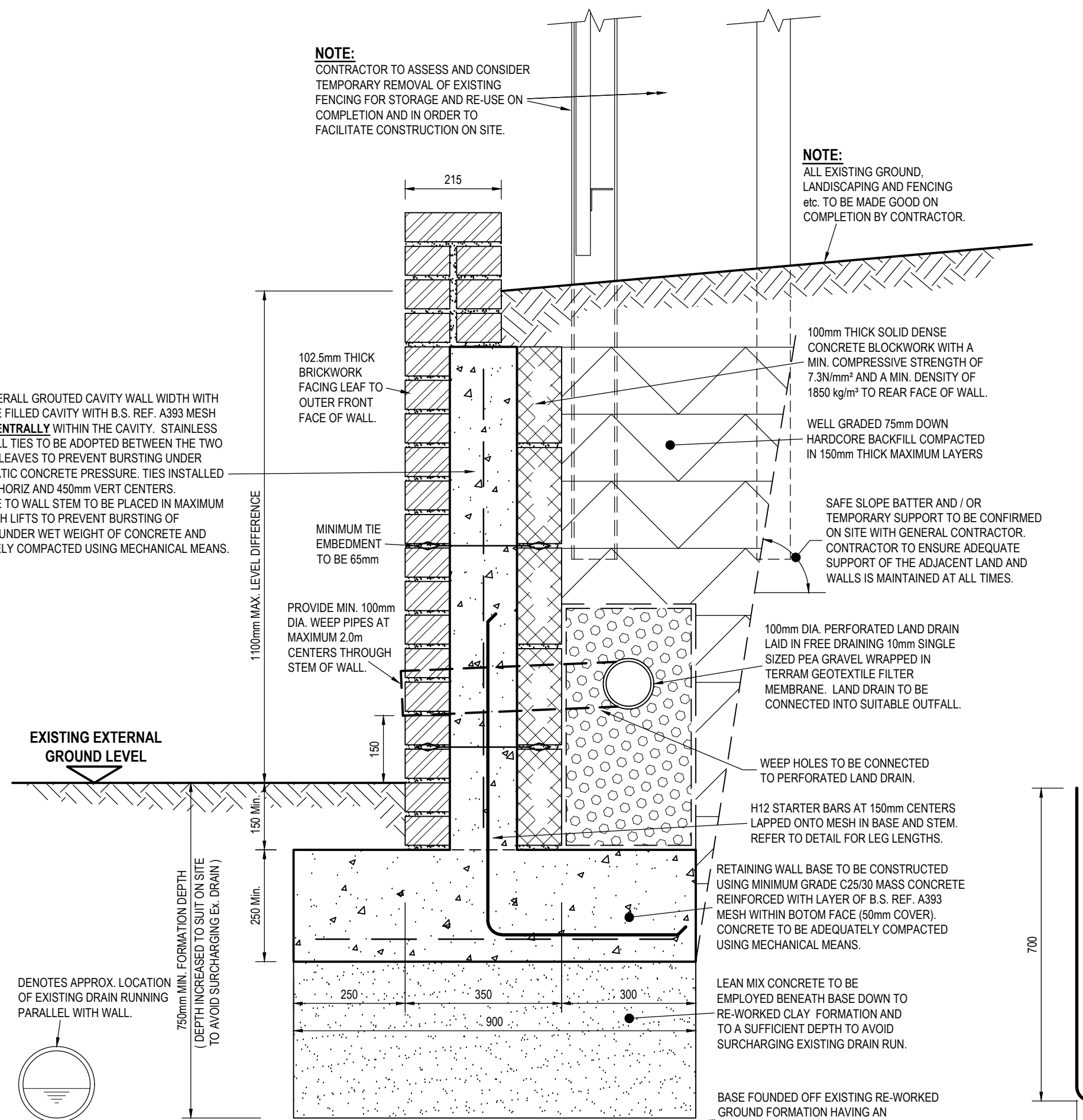


SCHEMATIC PLAN ON BOUNDARY RETAINING WALL SHOWING EXTENT OF PROPOSED WORKS
SCALE 1:50

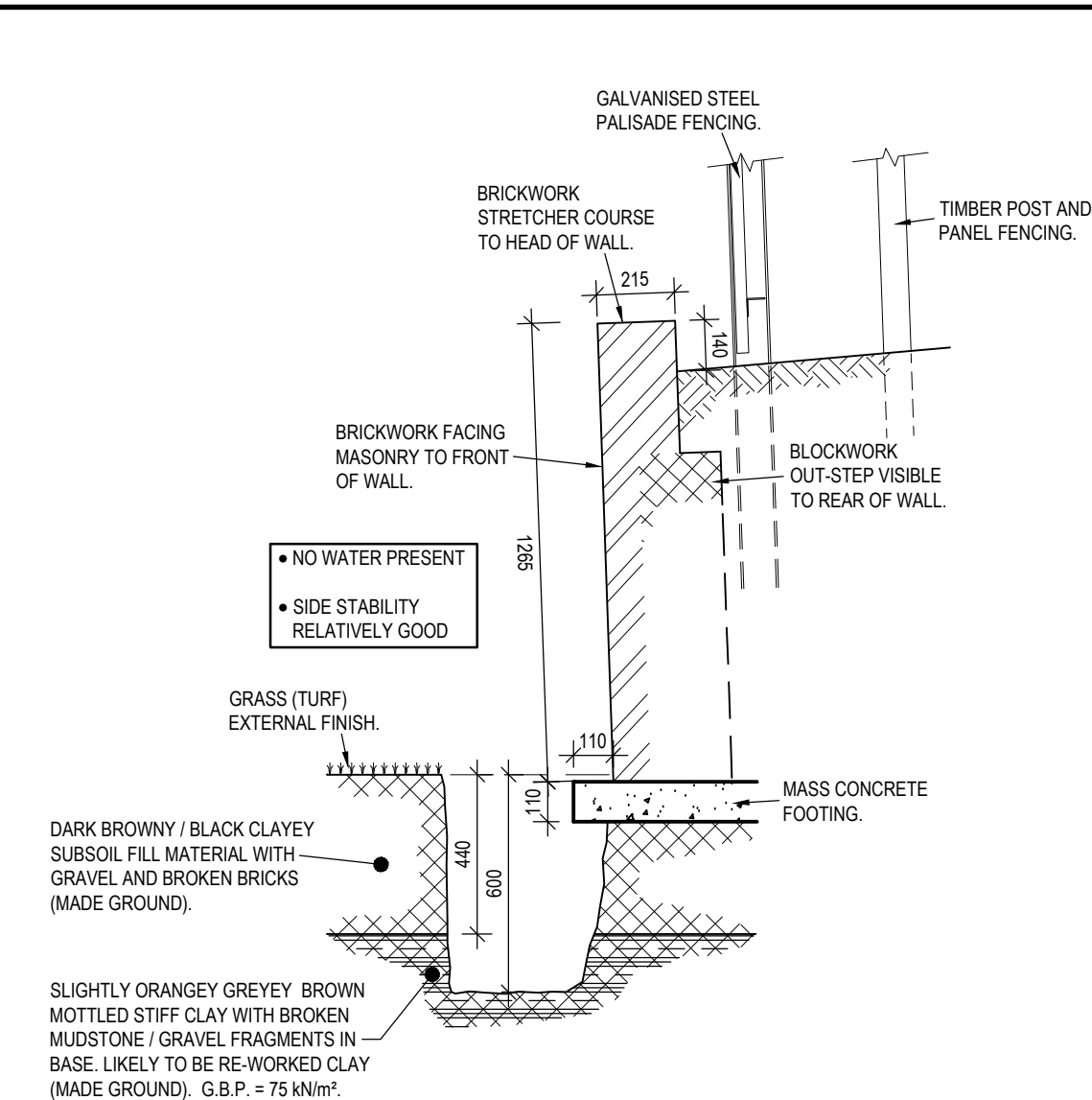
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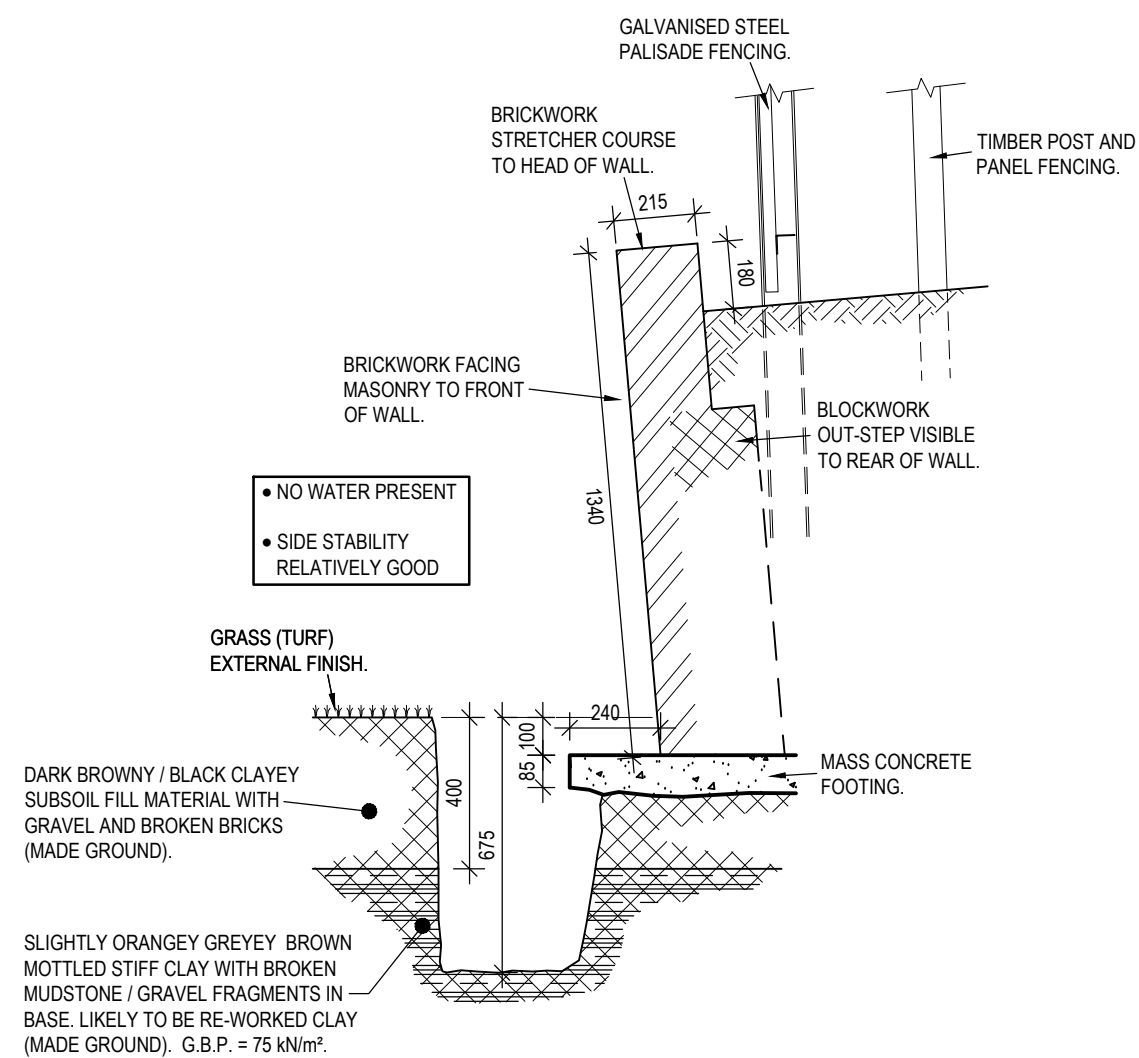
OPTION 1 SECTION A - A
THROUGH PROPOSED (MASS MASONRY) RETAINING WALL
SCALE 1:10



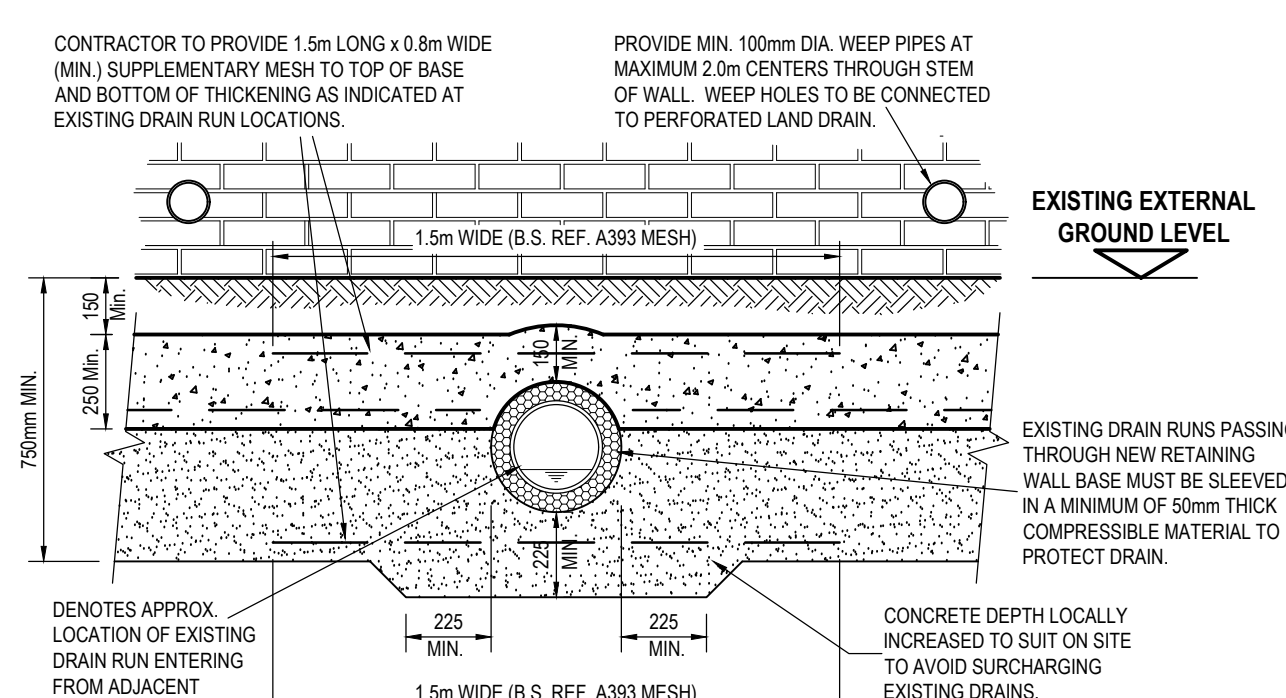
OPTION 2 SECTION A - A
SECTION THROUGH PROPOSED (REINFORCED GROUDED CAVITY) RETAINING WALL
SCALE 1:10



SECTION THROUGH TRIAL HOLE 1
SCALE 1:20



SECTION THROUGH TRIAL HOLE 2
SCALE 1:20



SECTIONAL ELEVATION B - B
ON EXISTING DRAIN RUN PASSING THROUGH RETAINING WALL BASE
SCALE 1:20

STARTER BAR DETAIL:
H12 STARTER BARS AT 150mm
CENTERS TO GROUDED
CAVITY WALL ONLY.

DO NOT SCALE FROM THIS DRAWING

NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL CALCULATIONS AND DRAWINGS AND AHR BUILDING CONSULTANCY LTD DRAWINGS & SPECIFICATIONS.
2. ALL KEY DIMENSIONS ARE TO BE TAKEN ON SITE BEFORE WORK COMMENCES.
3. CONCRETE TO BE IN ACCORDANCE WITH BS 8110 AND BS 8500 Part 1 and BRE SPECIAL DIGEST No.1.
4. CONCRETE TO BE A DESIGNED MIX SUPPLIED IN ACCORDANCE WITH THE RELEVANT CLAUSES OF BS 8500 Parts 1 AND 2: 2002. MIX DESIGNS TO BE SUBMITTED FOR ACCEPTANCE PRIOR TO COMMENCEMENT OF WORK.
5. CONCRETE TO RETAINING WALL MASS BASE (UNLESS NOTED OTHERWISE) TO BE GRADE C25/30 HAVING A MINIMUM CHARACTERISTIC STRENGTH OF 30N/mm², A MINIMUM PORTLAND CEMENT CONTENT OF 260kg/m³ AND A MAXIMUM FREE WATER/CEMENT RATIO OF 0.65. MAXIMUM AGGREGATE SIZE TO BE 20mm TO BS 882. CONSISTENCY CLASS TO BE S3. CONCRETE MUST BE ADEQUATELY COMPACTED USING MECHANICAL MEANS.
6. RETAINING WALL BASE TO BE FOUNDED ON GROUND HAVING AN ALLOWABLE GROUND BEARING PRESSURE OF 75 kN/m² (OR GREATER). OBTAIN ENGINEER'S GUIDANCE IF THE REQUIRED ALLOWABLE BEARING PRESSURE IS NOT ACHIEVED AT ANTICIPATED DEPTHS.
7. DO NOT ALLOW EXCAVATED GROUND SURFACES TO DETEIORATE THROUGH EXPOSURE TO STANDING WATER OR THE WEATHER. BLIND NEWLY EXCAVATED SURFACES WITH WEAK MIX CONCRETE (BUT SEE ALSO NOTE NO 5) OR PLACE PERMANENT CONCRETE IMMEDIATELY AFTER OBTAINING ENGINEER'S APPROVAL.
8. GENERAL CONTRACTOR TO LOCATE AND MARK POSITION OF EXISTING FOUNDATIONS, BURIED OBSTRUCTIONS AND SERVICES PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
9. SOFT SPOTS, ORGANIC MATERIAL OR CONTAMINATED GROUND FOUND AT FORMATION LEVEL TO BE REMOVED ONLY AFTER INSPECTION BY ENGINEER.
10. POSITIONS AND DETAILS OF CONSTRUCTION JOINTS NOT DETAILED ON THIS DRAWING TO BE AGREED PRIOR TO COMMENCEMENT.
11. BACKFILL TO BE AN APPROVED HARDCORE GRANULAR MATERIAL COMPACTED IN 150mm THICK LAYERS IN ACCORDANCE WITH SGM STRUCTURAL DESIGN'S SPECIFICATION.
12. WALLS MUST NOT BE BACKFILLED UNTIL MORTAR HAS REACHED DESIGN STRENGTH, TYPICALLY 14 DAYS AFTER LAYING MASONRY UNITS. DO NOT USE HEAVY VIBRATING EQUIPMENT CLOSE TO THE REAR OF THE WALL.
13. FACING MASONRY TO BE FACING BRICKWORK (to match in with existing) AND TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20.5 N/mm².
14. BLOCKWORK MASONRY TO BE SOLID DENSE CONCRETE BLOCKS HAVING A MINIMUM CHARACTERISTIC COMPRESSIVE STRENGTH OF 7.3 N/mm². A MINIMUM DENSITY OF 1850 Kg/m³ AND TO BE IN ACCORDANCE WITH B.S. 5628-P1:1992 AND B.S.6071.
15. MORTAR TO BE DESIGNATION CLASS M5 TYPE (i), IN ACCORDANCE WITH B.S. 5628-P3. CEMENT TO BE IN ACCORDANCE WITH B.S. 12. B.S. 146 P12. B.S. 4027 OR B.S. 5224. MORTAR CUBE TESTING, IF REQUESTED BY THE ENGINEER, SHOULD BE IN ACCORDANCE WITH B.S. 5628.
16. FACING MASONRY SHALL BE ANCHORED BACK TO THE MASS BLOCKWORK MASONRY BY TIES SPACED AT 4m² PER SQUARE METRE. TIES AND THE SYSTEM SHALL BE MADE OF AUSTENITIC STAINLESS STEEL TO B.S. 760-PH1 TYPE 304 S15 OR 316 S31. TIES SHALL HAVE A CROSS SECTION OF 2.5mm x 25mm WITH AN EMBEDMENT OF 100mm IN THE JOINTS.
17. CONTRACTOR MUST ENSURE THAT ADEQUATE SUPPORT SHALL BE MAINTAINED TO THE ADJACENT LAND AND WALLS AT ALL TIMES.
18. THE CONTRACTOR SHALL PROVIDE SECURITY FENCING, WHENEVER THE SITE IS VACATED TO PREVENT ACCESS BY CHILDREN etc. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE SECURITY OF THE SITE FOR THE DURATION OF THE WORKS.
19. SERVICES:
THE CONTRACTOR SHALL LOCATE AND ADEQUATELY PROTECT ANY APPARATUS WHILST THE WORKS ARE IN PROGRESS. THE CONTRACTOR SHALL ANTICIPATE THE EXISTENCE OF STATUTORY UNDERTAKERS APPARATUS WITHIN THE SITE. THE CONTRACTOR SHALL NEGOTIATE WITH THE STATUTORY UNDERTAKERS TO DETERMINE WHETHER ANY APPARATUS WILL BE AFFECTED BY THE WORKS. ANY SUPPORT SYSTEMS FOR APPARATUS (IF NECESSARY) SHALL BE APPROVED BY THE ENGINEER IN AGREEMENT WITH THE STATUTORY UNDERTAKERS PRIOR TO THE EXCAVATION OF THE WORKS COMMENCING.

PROJECT
**4 FOUNDRY MILL MOUNT
SEACROFT
LEEDS, LS14 6TL**

TITLE
**BOUNDARY RETAINING WALL REPAIR
GENERAL ARRANGEMENT AND DETAILS**

PROJECT No. 2021/231	DRAWING No. 01	AMENDMENT -	DATE DRAWN 13 OCT 21	DRAWN BY CD
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Amendment Note
Date Revised

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