

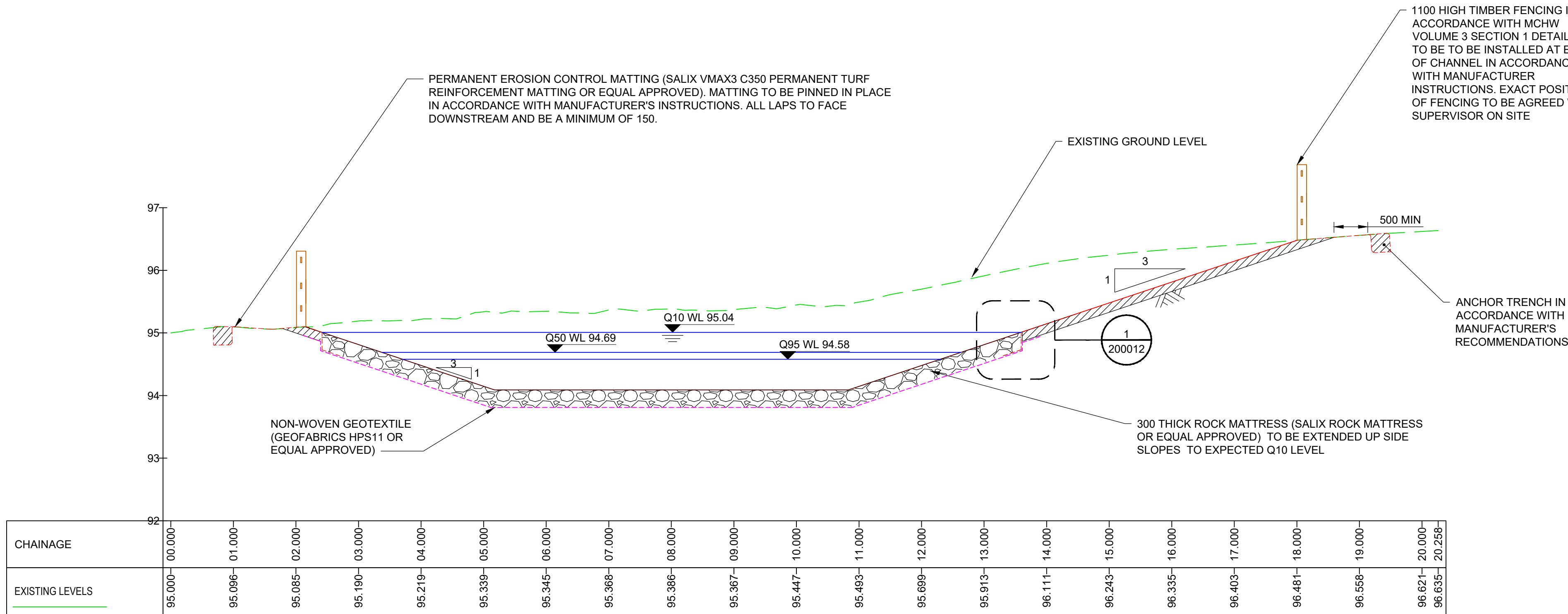
E CROSS SECTION THROUGH CULVERT INLET HEADWALL

200010 1:50

HEAVY PRECAST UNITS  
APPROX. MASS 3700kg, LENGTH 2m

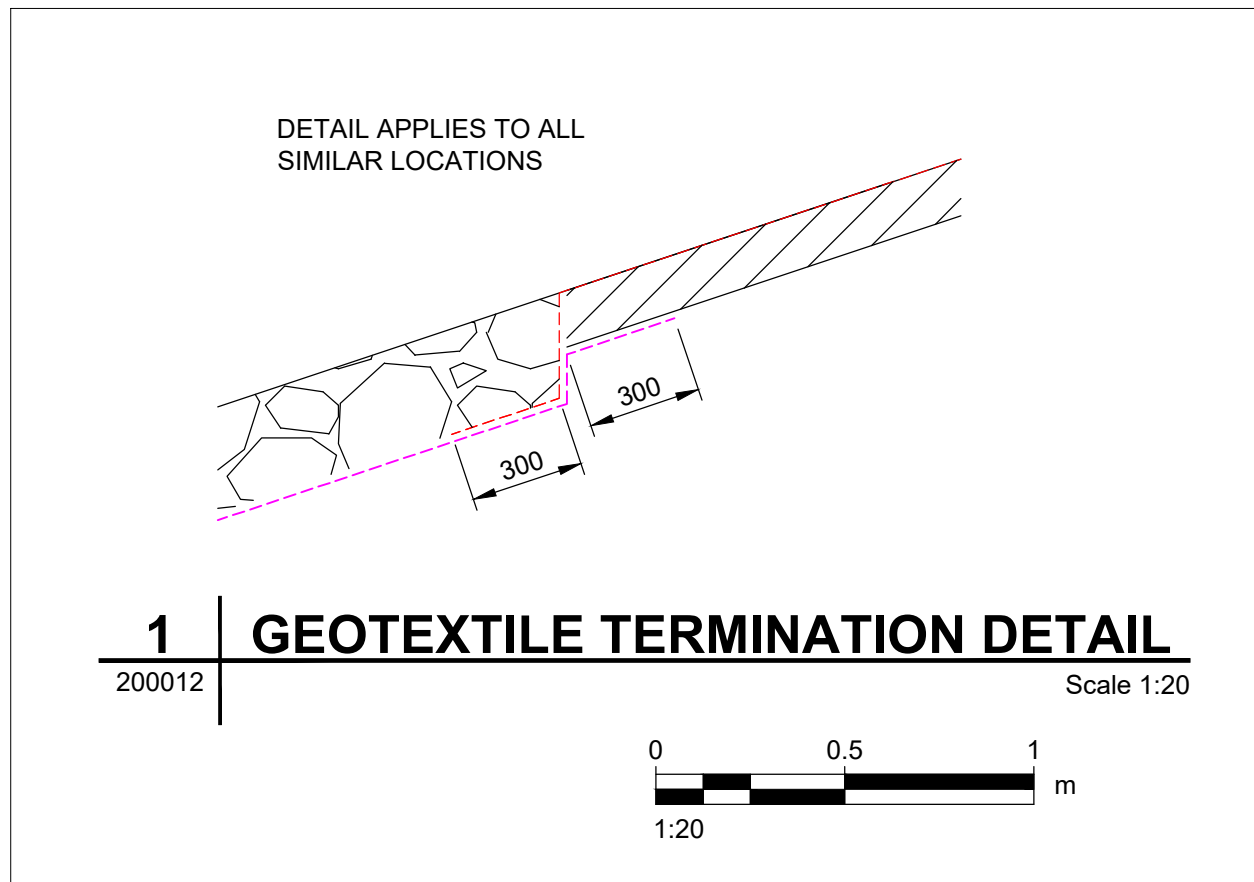
HEAVY BOULDERS  
APPROX. MASS 150kg

HEAVY ROCK MATTRESSES  
APPROX. MASS 640kg, LENGTH 2m



F CROSS SECTION OF INLET CHANNEL

200010 1:50



AECOM

PROJECT

HORSESHOE FALLS FISH PASS

CLIENT

NATURAL RESOURCES WALES

CONSULTANT

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NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM NEWLYN UNLESS STATED OTHERWISE. DO NOT SCALE.

2. LEVELS AND TOPOGRAPHICAL SURVEY DATA ARE BASED A MIXTURE OF SOURCES WITH VARYING LEVELS OF ACCURACY / DETAIL. REFER TO SITE INFORMATION FOR DETAILS. CHANGES MAY HAVE OCCURRED SINCE SURVEYS UNDERTAKEN.

3. FOR PROPOSED GENERAL ARRANGEMENT REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-200004.

4. DRAWING TO BE READ IN CONJUNCTION WITH THE SPECIFICATION FOR HIGHWAY WORKS (S.H.W) SUPPLEMENTED WITH PROJECT SPECIFIC APPENDICES.

5. THE FORMATION OF HEADWALLS AND CULVERT IS TO BE INSPECTED BY A COMPETENT GEOTECHNICAL ENGINEER. ANY LOOSE SOILS AND SOFT SPOTS (UNDRAINED SHEAR STRENGTH  $c_u < 40kPa$ ) ON THE FORMATION TO BE REMOVED AND REPLACED WITH COMPACTED 1A/6N/6P FILL.

6. CLASS 6N/6P BACKFILL TO THE WING WALLS TO BE BENCHED INTO THE RE-PROFILED NATURAL SLOPE. THE EXPOSED FACES OF THE BENCHING ARE TO BE INSPECTED AND MADE GOOD AS PER INSTRUCTION IN NOTE 5.

7. EXPECTED GROUND CONDITIONS AT THE CULVERT AND CHANNEL LOCATIONS ARE SHOWN ON DRAWINGS 60672359-ACM-XX-XX-DR-GT-200041 AND 200042. DESIGN ASSUMPTIONS ARE SPECIFIED IN THE GEOTECHNICAL DESIGN REPORT. IF GROUND CONDITIONS VARY SIGNIFICANTLY FROM DESIGN ASSUMPTIONS, THE DESIGNER SHOULD BE NOTIFIED PRIOR TO CONTINUING CONSTRUCTION.

KEY

EXISTING GROUND

PROPOSED FINISHED GROUND

PERMANENT EROSION CONTROL MATTING

SEPARATION GEOTEXTILE

INDICATIVE CONSTRUCTION TRENCH

ROCK MATTRESS

6N/6P FILL

TOP SOIL

ISSUE/REVISION

C01 01/11/2022 FOR CONSTRUCTION

P01 09/09/2022 WORKING DRAFT FOR INFO

I/R DATE DESCRIPTION

PROJECT NUMBER

60672359

SHEET TITLE

HORSESHOE FALLS FISH PASS  
CULVERT INLET HEADWALL  
SECTIONS

SHEET NUMBER

60672359-ACM-XX-XX-DR-CE-200012

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