

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

5. CUT FACES AND BASE OF OPEN CHANNEL ARE TO BE INSPECTED BY A COMPETENT GEOTECHNICAL ENGINEER. ANY LOOSE SOILS AND SOFT SPOTS (UNDRAINED SHEAR STRENGTH $c_u < 40kPa$) ON THE FORMATION ARE TO BE REMOVED AND REPLACED WITH COMPACTED CLASS 1A/6N/6P FILL. SOFT SPOTS AND VERY LOOSE SOILS ON THE CHANNEL BANK TO BE TREATED IN THE SAME WAY.

6. AEP = ANNUAL EXCEEDANCE PROBABILITY. CC = ALLOWANCE FOR FLOW INCREASE DUE TO CLIMATE CHANGE. FWL = FLOOD WATER LEVEL. Q10 = THE FLOW EXCEEDED 10% OF THE TIME OVER AN AVERAGE YEAR. Q95 = THE FLOW EXCEEDED 95% OF THE TIME OVER AN AVERAGE YEAR.

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

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EXISTING GROUND

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CHANNEL INVERT

+ + +

EXISTING FEATURE TO BE REMOVED

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EXCAVATION EXCLUSION ZONE ADJACENT TO EXISTING WALL

ISSUE/REVISION

C01

01/11/2022

FOR CONSTRUCTION

P01

09/09/2022

WORKING DRAFT FOR INFO

I/R

DATE

DESCRIPTION

PROJECT NUMBER

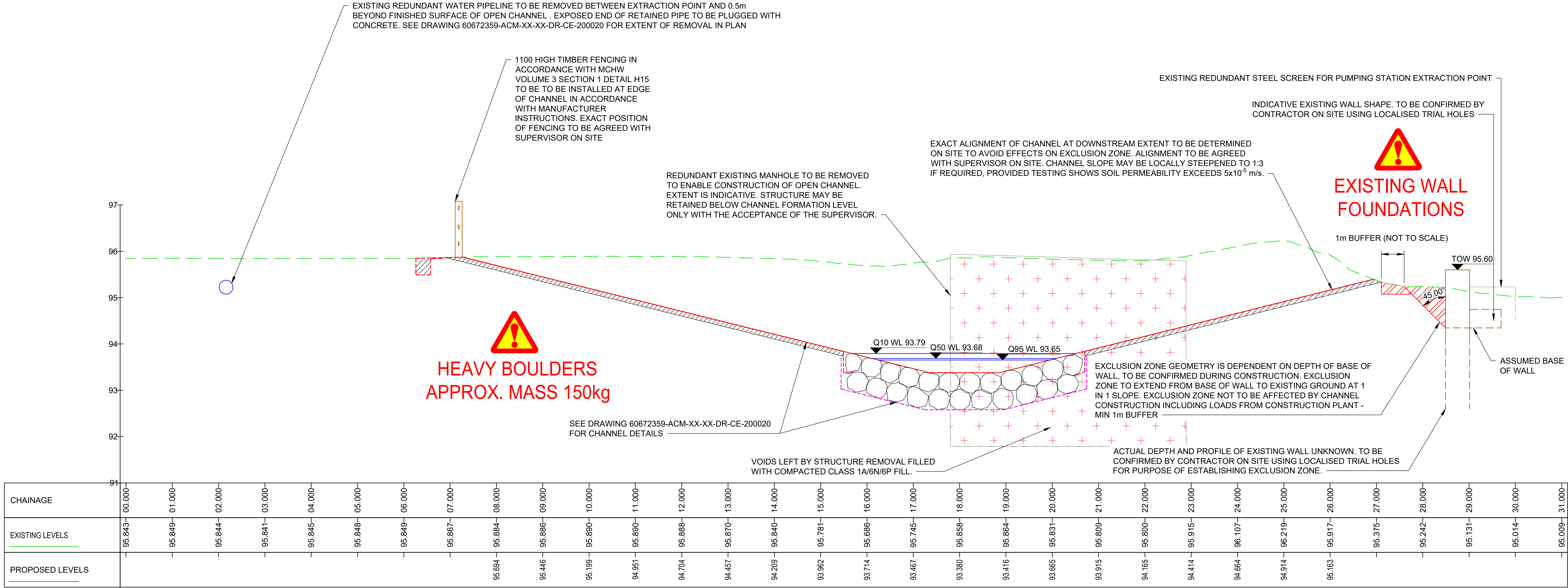
60672359

SHEET TITLE

HORSESHOE FALLS FISH PASS
OPEN CHANNEL CROSS SECTIONS
PUMPING STATION INFRASTRUCTURE

SHEET NUMBER

60672359-ACM-XX-XX-DR-CE-200023



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OPEN CHANNEL CROSS SECTION AT PUMPING STATION INFRASTRUCTURE

200020

1:50

