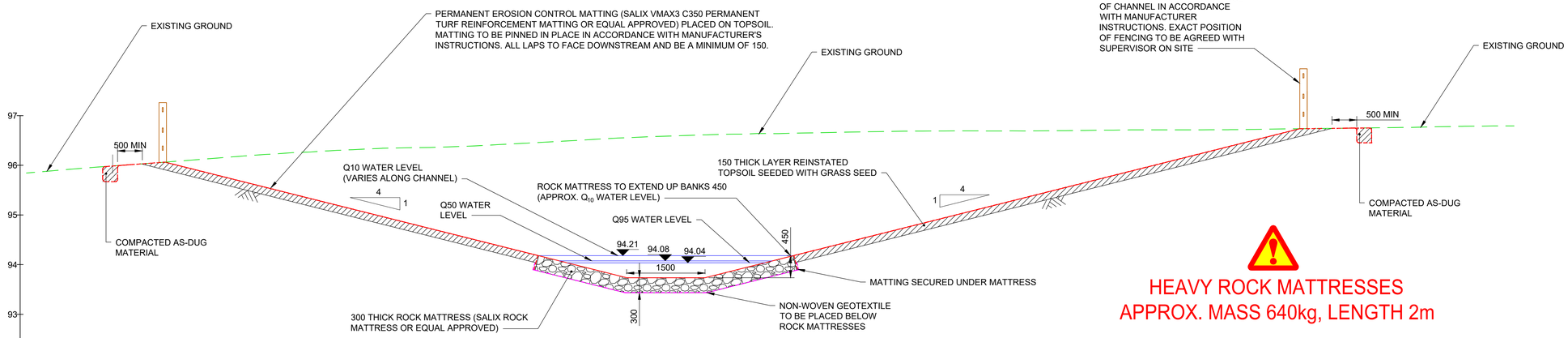
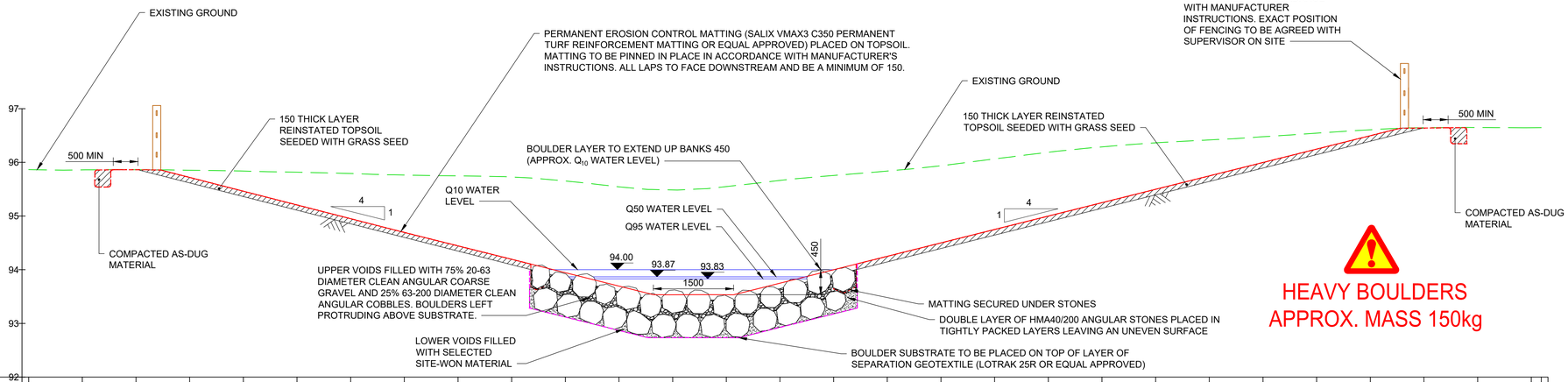


CHAINAGE	00.000	01.000	02.000	03.000	04.000	05.000	06.000	07.000	08.000	09.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	19.000	20.000	21.000	22.000	23.000	24.000	25.000	26.000	27.000	28.000	29.000	30.000
EXISTING LEVELS	95.843	95.930	96.006	96.079	96.157	96.228	96.287	96.334	96.358	96.389	96.441	96.496	96.552	96.590	96.622	96.639	96.656	96.676	96.689	96.692	96.692	96.699	96.710	96.714	96.716	96.727	96.742	96.752	96.765	96.785	96.792
PROPOSED LEVELS				96.013	95.763	95.513	95.263	95.013	94.763	94.513	94.263	94.013	93.763	93.738	93.815	94.065	94.315	94.565	94.814	95.064	95.314	95.563	95.813	96.063	96.315	96.567							

J | OPEN CHANNEL CROSS SECTION
200020 1:50

0 1.25 2.5 m
1:50



CHAINAGE	00.000	01.000	02.000	03.000	04.000	05.000	06.000	07.000	08.000	09.000	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000	18.000	19.000	20.000	21.000	22.000	23.000	24.000	25.000	26.000	27.000	28.000	28.186
EXISTING LEVELS	95.865	95.859	95.863	95.853	95.837	95.817	95.792	95.763	95.748	95.727	95.652	95.544	95.485	95.549	95.663	95.755	95.838	95.935	96.064	96.187	96.288	96.363	96.417	96.477	96.544	96.607	96.643	96.648	96.645	96.646
PROPOSED LEVELS				95.719	95.463	95.207	94.950	94.695	94.444	94.194	93.944	93.694	93.534	93.534	93.750	94.000	94.250	94.500	94.750	94.999	95.249	95.498	95.748	95.997	96.247	96.496						

K | OPEN CHANNEL CROSS SECTION
200020 1:50

0 1.25 2.5 m
1:50

AECOM

PROJECT

HORSESHOE FALLS FISH PASS

CLIENT

NATURAL RESOURCES WALES

CONSULTANT

AECOM
2 City Walk
Leeds, LS11 9AR
+44 (0)113 301 8400 tel
www.aecom.com

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. 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 cu<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

- EXISTING GROUND
- CHANNEL INVERT
- PERMANENT EROSION CONTROL MATTING
- SEPARATION GEOTEXTILE
- ROCK MATTRESS
- BOULDERS

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

SHEET NUMBER

60672359-ACM-XX-XX-DR-CE-200022