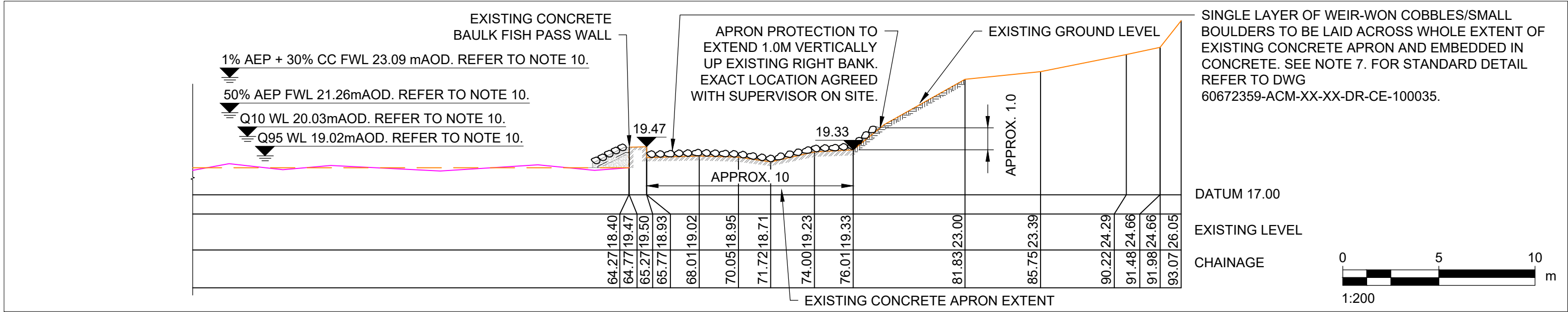
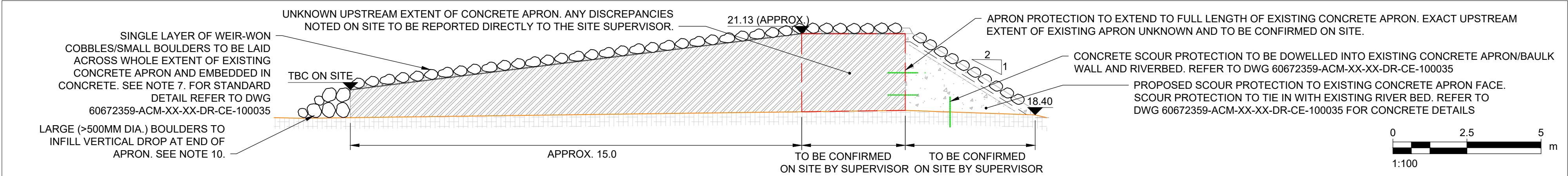


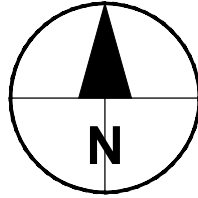
APRON PROTECTION PLAN



APRON PROTECTION CROSS SECTION



APRON PROTECTION LONG SECTION



AECOM

PROJECT

ERBISTOCK WEIR
PARTIAL REMOVAL

CLIENT

NATURAL RESOURCES WALES

CONSULTANT

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NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM NEWLYN UNLESS STATED OTHERWISE. DO NOT SCALE.
- LEVELS AND TOPOGRAPHICAL SURVEY DATA ARE BASED ON STORM GEOMATICS DRAWINGS SURV. DEE. 17 TO 25 DATED 28.09.2020. CHANGES MAY HAVE OCCURED SINCE SURVEY UNDERTAKEN AND ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE SITE SUPERVISOR IMMEDIATELY.
- FOR PROPOSED GENERAL ARRANGEMENT REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-100000.
- FOR SITE LOCATION PLAN REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-100002.
- FOR PROPOSED CONSTRUCTION SEQUENCING REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-100030.
- DRAWING TO BE READ IN CONJUNCTION WITH THE SPECIFICATION FOR HIGHWAY WORKS (S.H.W) SUPPLEMENTED WITH PROJECT SPECIFIC APPENDICES.
- ONE LAYER OF SMALL BOULDERS WON FROM WEIR EXCAVATION EMBEDDED IN C40/50 CONCRETE. MATERIAL SHALL BE EQUIVALENT CLASS 6B BASED ON S.H.W, UNLESS OTHERWISE AGREED WITH THE SITE SUPERVISOR.
- FOR APRON PROTECTION STANDARD DETAILS SEE DRAWING 60672359-ACM-XX-XX-DR-CE-100035.
- 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.
- LARGE BOULDERS TO BE SITE-WON AND ANGULAR TO PERMIT INTERLOCKING OF THE STONE WITH ADJACENT STONES.

KEY

- INDICATIVE BAULK FISH PASS WALL AND APRON INTERNAL CONCRETE STRUCTURE
- ASSUMED BEDROCK GROUND CONDITIONS
- CONCRETE PROTECTION (SEE NOTE 7)
- INTERNAL WEIR STRUCTURE
- RIGHT HAND BANK GROUND CONDITIONS
- BOTTOM OF BANK (BASED ON TOPO. SURVEY 28/09/2020)
- TOP OF BANK (BASED ON TOPO. SURVEY 28/09/2020)
- EXISTING RIVERBED AND WEIR PROFILE
- BOULDERS

ISSUE/REVISION

P1	25/07/22	FOR TENDER / CONSTRUCTION
P0	13/06/22	FOR COMMENT
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60672359

SHEET TITLE

ERBISTOCK WEIR
APRON PROTECTION
PLAN, SECTIONS AND DETAILS

SHEET NUMBER

60672359-ACM-XX-XX-DR-CE-100020