



Water Resources LICENCE TO

IMPOUND

WATER

Water Act 2003
Environment Act 1995
Water Resources Act 1991 as amended
by the Water Act 2003
Water Resources (Abstraction and
Impounding) Regulations 2006
Natural Resources Body for Wales (Functions)
Order 2012

IMPORTANT NOTES

Need for safekeeping

This licence is an important document and you should keep it safe, probably with the deeds to the land.

The impounding works may also be conditional on, or otherwise involve, you entering into a related agreement with Natural Resources Wales. This may be registered and will bind the land. It will therefore affect not only you, as the licence holder, but also your successors in title to the land. This licence and any such Agreement should therefore be disclosed on any change of title or occupation.

Scope of this licence

This licence has effect only for the purposes of Part II of the Water Resources Act 1991 as amended by the Water Act 2003. In granting this licence, and in considering any drawings submitted, you should assume that Natural Resources Wales has taken into account only considerations relevant to the conservation and proper use of water resources in the area. Grant of this licence does not imply that Natural Resources Wales has approved the details of construction of the impounding works, including whether the proposed construction is adequate or safe. The licence holder is entirely responsible for ensuring compliance with all other requirements. Grant of this licence does not in any way suggest that these have been fulfilled.

Changes to the impounding works or revocation of this licence

If you want to alter the impounding works and/or the way you operate them, you will need to vary the terms of the licence (and, if applicable, the related agreement). If you want to revoke this licence, you may be required to satisfy certain conditions that Natural Resources Wales may specify for the removal of the works. Contact Natural Resources Wales at the address at the bottom of the front page of this licence if you want to vary or revoke this licence.

Transfer of this licence

If you need to pass this licence to someone else, you must contact Natural Resources Wales and obtain the appropriate application forms. The licence holder remains responsible for compliance with the terms of the licence until it has been transferred.

Death or bankruptcy of the licence holder

If a licence has been 'vested' in you, as a result of the death or bankruptcy of the licence holder, please contact Natural Resources Wales in writing, telling us the licence number(s) and the date that the licence vested in you as a personal representative or trustee of the licence holder. This is necessary in order to enable you to subsequently transfer the licence.

'Vesting' is the transfer of responsibility and ownership of a licence when an existing licence holder is no longer able to hold the licence either through death or bankruptcy.

You do not have to complete a form, but you must notify us in writing within 15 months of the date of vesting, giving the full names of all personal representatives or trustees and a contact address.

Other requirements for impoundments

Depending on circumstances, you may also have to comply with other legal requirements, i.e. apart from obtaining this licence, before carrying out or operating the impoundment. These may include:

- obtaining consent from Natural Resources Wales under section 109 Water Resources Act 1991 (relating to structures on main rivers);
- obtaining consent under section 23 Land Drainage Act 1991 from Natural Resources Wales or the relevant internal drainage board (relating to obstructions in watercourses);
- obtaining planning permission from the planning authority;
- complying with requirements of the Reservoirs Act 1975 (in relation to safety of larger raised reservoirs). Natural Resources Wales' predecessor the Environment Agency, became the regulatory body on 1 October 2004.
- obtaining consent from the owner of the other bank of the watercourse to the proposed impoundment;

- not contravening pollution control provisions of the Water Resources Act 1991, particularly in relation to allowing matter to be carried away in suspension when sluices etc. are opened;
- complying with the provisions of the Salmon and Freshwater Fisheries Act 1975 relating to the passage of fish.

Some of these matters are under the control of Natural Resources Wales, but for administrative and legal reasons are kept separate from the issue of this licence. If you require information or assistance about them, contact Natural Resources Wales, and you will be directed to the right person to help you.

For advice about planning permission, contact the appropriate authority. The planning authority will normally be the district, borough or city council.

Offences

This impounding licence authorises you, the licence holder, to obstruct or impede the flow of a specified inland water at a specified point by means of impounding works.

"Impounding works" means either, any dam, weir or other works by which water may be impounded; or, any works for diverting the flow of waters in connection with the construction or alteration of such dam, weir or other works.

Under the Water Resources Act 1991 it is an offence to construct or alter, or cause or permit any other person to construct or alter, any impounding works in inland waters or cause or permit the flow of any inland waters to be impeded or obstructed at any point by means of impounding works unless:

- an impounding licence is in force;
- the flow of the inland waters is not obstructed or impeded except to the extent and in the manner authorised by a licence;
- any other requirements of the licence, whether as to provision of compensation water or otherwise, are complied with.

It is an offence knowingly to make false statements for the purpose of obtaining a licence.

It may be an offence not to comply with the other legal requirements mentioned above for details, check with Natural Resources Wales or the authority concerned.

Right of appeal

If you are dissatisfied with our decision on your licence application, you may appeal.

If you are in England, you should write to the Secretary of State for Environment, Food and Rural Affairs, care of The Planning Inspectorate at:
Room 4/19 Eagle Wing, Temple Quay House, 2 The Square,
Temple Quay, Bristol, BS1 6PN.
The telephone number is 0117 372 8235.

If you are in Wales, you should write to Welsh Government care of The Planning Inspectorate at:
Crown Buildings, Cathays Park, Cardiff, CF10 3NQ.
The telephone number is 029 2082 3857.

You must serve notice of appeal within 28 days of the date of receipt of this licence (although the Secretary and Welsh Government have power to allow a longer period for serving notice of appeal). See Water Resources Act 1991, section 43.

Disclosure of Information

Information about this licence is available on the public Register held by Natural Resources Wales. Members of the public are also entitled to ask us for other "environmental information" it holds, including any activities likely to affect "the state of any water" or any "activities or other measures designed to protect it". That would include the information additional to the licence document e.g. any related agreement. In certain restricted circumstances it is possible to claim that information should be kept confidential. If you require more information about keeping information off the public register because it is confidential, please contact us by writing to the address shown at the bottom of the front page of the licence within 28 days of receiving this licence.



LICENCE TO IMPOUND WATER

Welsh Ministers are hereby deemed to grant a licence to:-

Natural Resources Wales ("the Licence Holder")
Tŷ Cambria
29 Newport Road
Cardiff
CF24 0TP

This licence authorises the Licence Holder to obstruct or impede the flow of the inland water described in the Schedule of Conditions (to extent and manner authorised by those conditions) to this licence and subject to the provisions of that Schedule. The licence commences from the effective date shown below and shall remain in force until revoked.

A handwritten signature in black ink, appearing to read 'Holly Noble'.

Signed:

Holly Noble
Permitting Service Manager
Permitting Service
Natural Resources Wales
Cambria House
29 Newport Road
Cardiff
CF24 0TP

Date of issue..... 10 May 2023

Date effective..... 10 May 2023

This licence should be kept safe and its existence disclosed on any sale of the land and the impounding works to which it relates.

Note: References to "the map" are to the map which forms part of this licence.
References to "NRW" are to the Natural Resources Body for Wales or any successor body.

SCHEDULE OF CONDITIONS

1. NAME OF INLAND WATER TO BE IMPOUNDED

- 1.1 Inland water (river) known as River Dee at Erbistock Weir, Erbistock near Wrexham.

2. POINT OF IMPOUNDMENT

- 2.1 At National Grid Reference SJ 35439 42180 marked 'Point A' on the map.

3 MANNER AND EXTENT OF IMPOUNDMENT

- 3.1 Impoundment works comprising of partial removal of an existing weir in accordance with the specifications and drawings:

60672359-ACM-XX-XX-DR-CE-100000 Erbistock Weir General Arrangement – dated 08/08/2022
 60672359-ACM-XX-XX-DR-100010 Erbistock Weir Works Sections – dated 10/08/2022
 60672359-ACM-XX-XX-DR-CE-100020 Erbistock Weir Apron Protection Plan, Sections and Details – dated 08/08/2022
 60672359-CAN-XX-XX-DR-CE-100025 Erbistock Weir Left Bank River Training Works Plan and Section – dated 08/08/2022
 60672359-ACM-XX-XX-DR-CE-100035 Erbistock Weir Standard Details – dated 10/08/2022

copies of which are appended to this licence, or such minor amendments to those documents that are accepted in writing by NRW prior to the date of commencement of construction.

4. FURTHER CONDITIONS

- 4.1 The Licence Holder shall submit a detailed Method Statement regarding the construction of the works specified in condition 3.1. The Licence Holder shall not commence these works until NRW has approved the Method Statement in writing. The Licence Holder shall undertake the works in accordance with the approved Method Statement, or in accordance with such minor variations to it that NRW may approve in writing.
- 4.2 No works authorised by this licence shall take place during the period from 17th October to 15th May inclusive.
- 4.3 The Licence Holder shall ensure that at all times during the period from the commencement to the completion of the works authorised by this licence the flow of the inland water immediately upstream of the works shall be released immediately downstream of the works undiminished in quantity or quality. This shall be carried out in accordance with the works detailed with the dated drawings in Condition 3.1 attached to this licence and Method Statement to be submitted and agreed.
- 4.4 The Licence Holder shall construct, operate and maintain the impounding works in accordance with the specifications and drawings referred to in Condition 3.1 of this licence and keep them free from leakage and obstruction at all times.

- 4.5 Prior to the commencement of the works authorised by this licence, the Licence Holder shall give 28 day's notice in writing to NRW of their intention to commence the authorised works.
- 4.6 The Licence Holder shall give NRW notice in writing of completion of the works authorised by this licence within 5 working days of completion.

ADDITIONAL INFORMATION

Note: the following information is provided for information only. It does not form part of the licence.

REASONS FOR CONDITIONS

Condition 4.1: to ensure appropriate pollution prevention and mitigation measures are in place prior to construction.

Condition 4.2: to avoid damage to fish during vulnerable life stages such as spawning, migration, emergence and early maturation.

Conditions 4.3 and 4.4: to ensure a flow is maintained in the watercourse in order i) to maintain the riverine habitat for the conservation of the flora and fauna of the watercourse, ii) to safeguard existing protected rights, iii) to protect the interests of existing downstream lawful users of water and iv) to ensure that the water environment is not impacted during the construction and subsequent maintenance.

Condition 4.4: to ensure the impoundment works are constructed in accordance with the drawing and specifications agreed by NRW during the determination of this licence.

Conditions 4.5 and 4.6: to start NRW's compliance process.

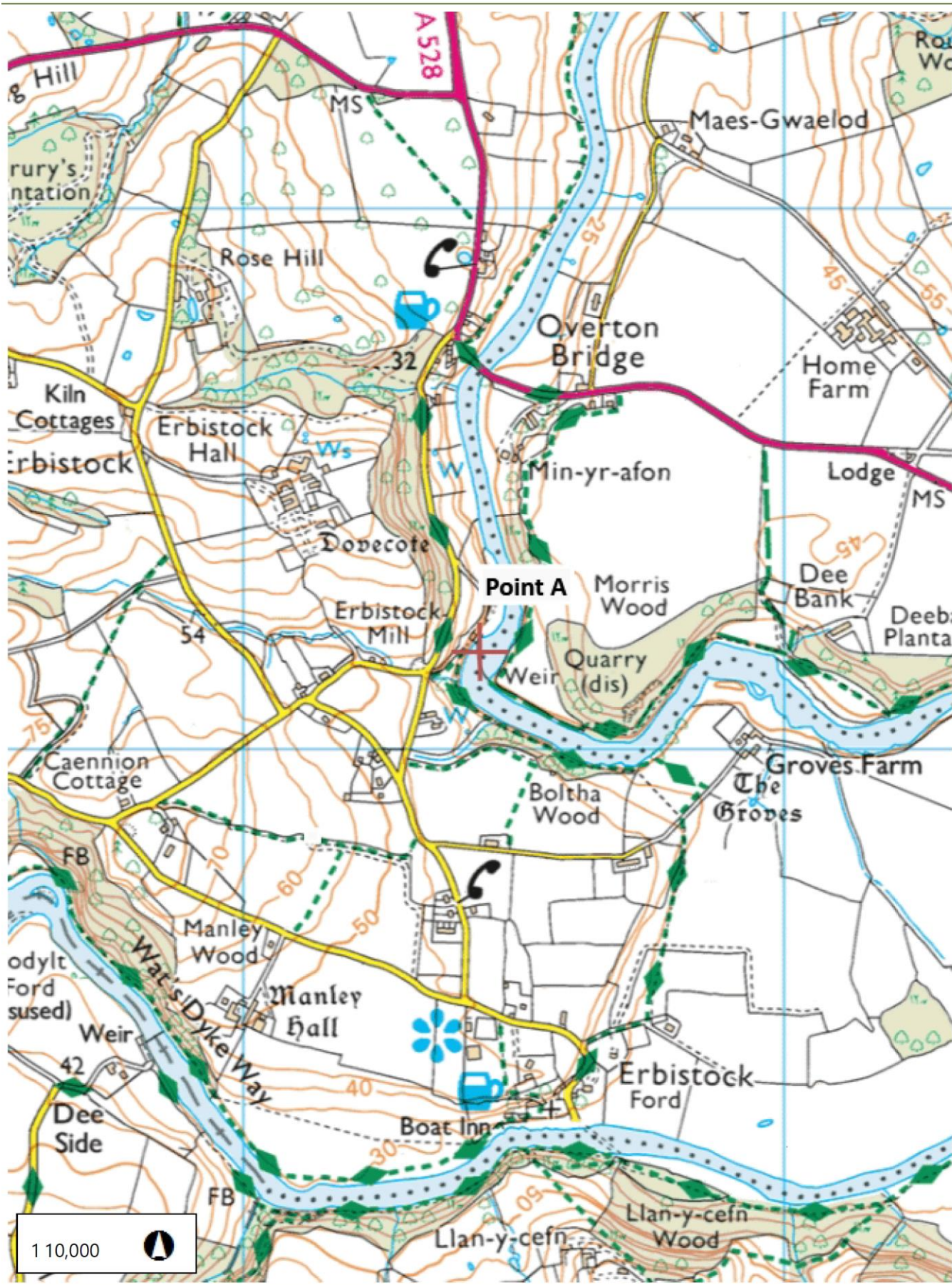
IMPORTANT NOTES

For the purpose of Conditions 4.5 and 4.6, the Licence Holder shall contact:

Senior Officer
North West People and Places Team
Natural Resources Wales
Maes y Ffynnon
Penrhosgarnedd
Bangor
Gwynedd
LL57 2DW

NorthWestPeopleandPlacesTeam@cyfoethnaturiolcymru.gov.uk

Tel: 0300 065 3000



**Cyfoeth
Naturiol
Cymru**
**Natural
Resources
Wales**

MAP ACCOMPANYING LICENCE NUMBER / MAP I GYFELIO TRWYDDED RHIF

WA/067/0007/0021

Scale I Graddfa 1:10,000

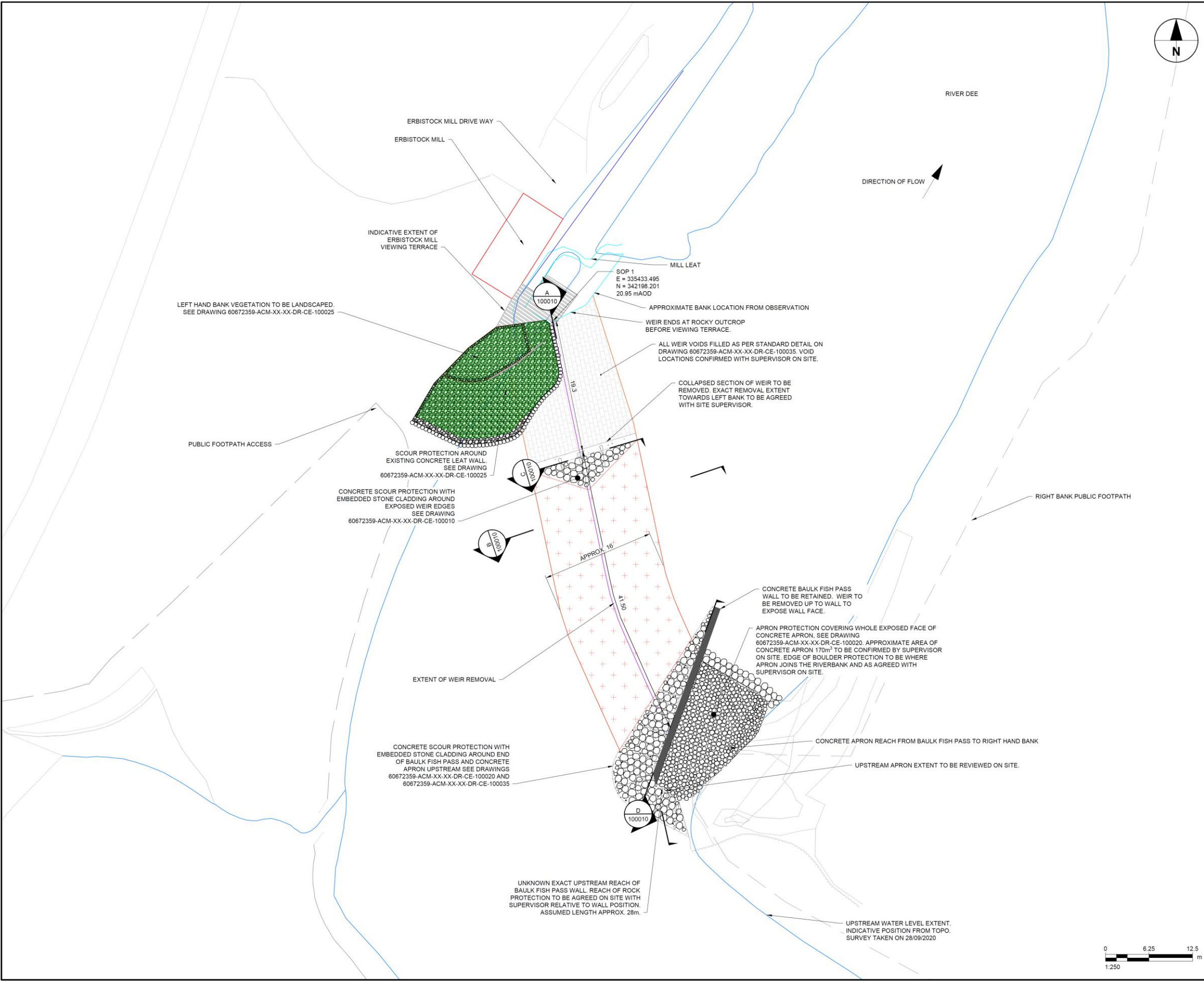
© Crown Copyright and database rights Ordnance Survey. Natural Resources Wales, 100019741, 2015. ©
Hawlfraint y Goron a hawl cronfa ddata Arolwg Ordnans. Cyfoeth Naturiol Cymru, 100019741, 2015.



ISO A1 594mm x 841mm
Scale 1:250

Project Management Initials: Designer: AM Checked: MB Approved: KB

Last saved by: THOMAS O ADAMS(2022-08-08) Last Printed: 2022-08-08
Filename:



PROJECT
ERBISTOCK WEIR
PARTIAL REMOVAL

CLIENT
NATURAL RESOURCES WALES

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

- NOTES
- ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM NEWLYN UNLESS STATED OTHERWISE. DO NOT SCALE.
 - LEVELS AND TOPOGRAPHICAL SURVEY DATA ARE BASED STORM GEOMATICS DRAWINGS SURV_DEE_17 TO 25 DATED 28.09.2020. CHANGES MAY HAVE OCCURRED SINCE SURVEY UNDERTAKEN AND ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE SITE SUPERVISOR IMMEDIATELY. THE POSITION OF THE UPSTREAM WEIR TOE AND MILL LEAT HAVE BEEN SKETCHED INDICATIVELY.
 - FOR EXISTING PLAN REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-100001.
 - FOR LOCATION PLAN REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-100002.
 - FOR PROPOSED WEIR SECTIONS REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-100010.
 - FOR PROPOSED APRON PROTECTION DETAILS REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-100020.
 - FOR PROPOSED LEFT BANK RIVER TRAINING WORKS DETAIL REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-100025.
 - 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.
 - FOR PROPOSED STANDARD DETAILS REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-100035.

- KEY
- WEIR REMOVAL EXTENT
 - EXISTING WEIR STONE SURFACE STRUCTURE
 - CONCRETE SCOUR PROTECTION WITH EMBEDDED ROCKS
 - WEIR-WON MATERIAL SCOUR PROTECTION
 - WEIR CREST
 - BOTTOM OF BANK (BASED ON TOPO. SURVEY 28/09/2020)
 - TOP OF BANK (BASED ON TOPO. SURVEY 28/09/2020)
 - EXISTING WEIR STRUCTURE UPSTREAM AND DOWNSTREAM EXTENTS

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

PROJECT NUMBER
60672359

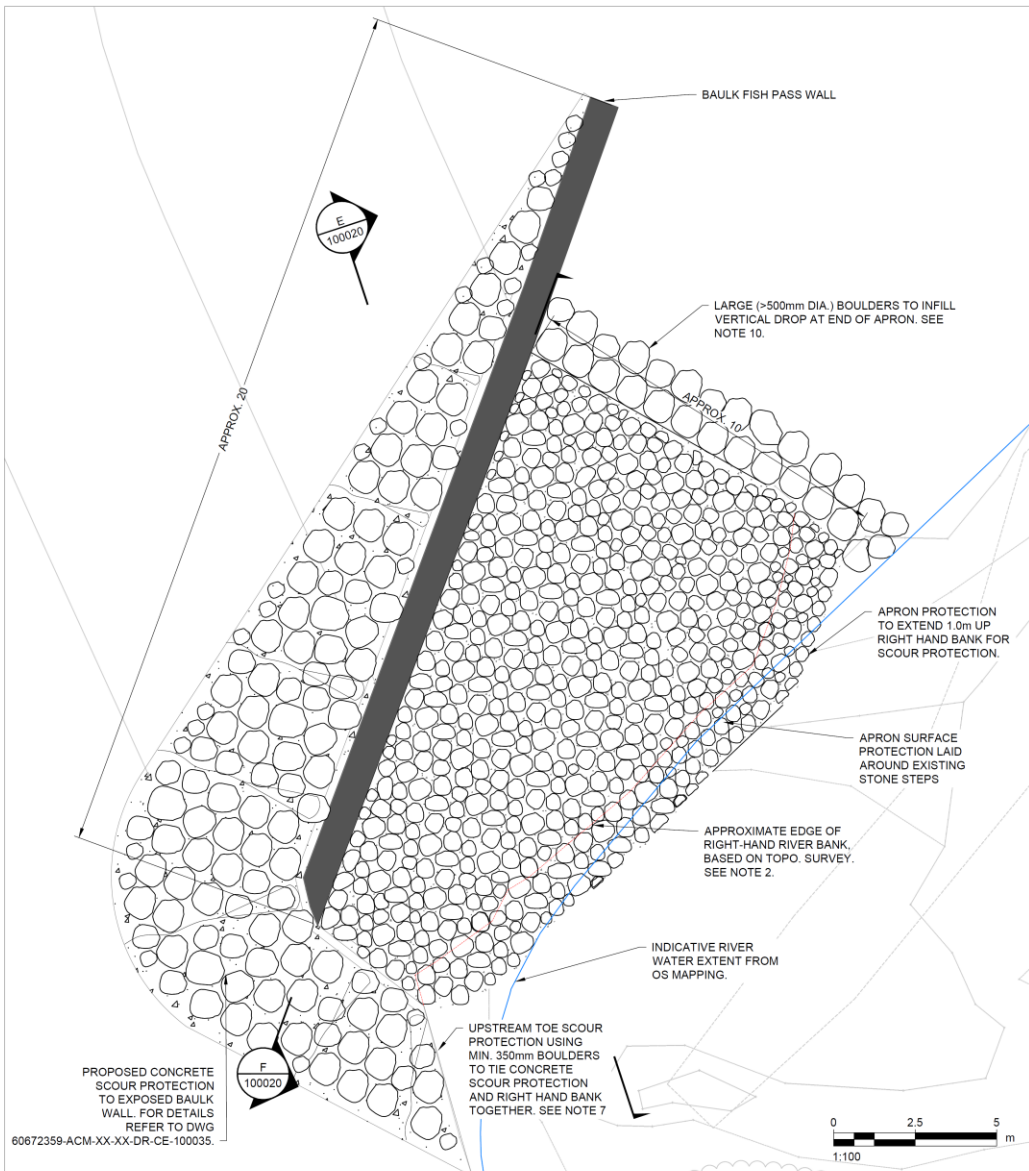
SHEET TITLE
ERBISTOCK WEIR
GENERAL ARRANGEMENT

SHEET NUMBER
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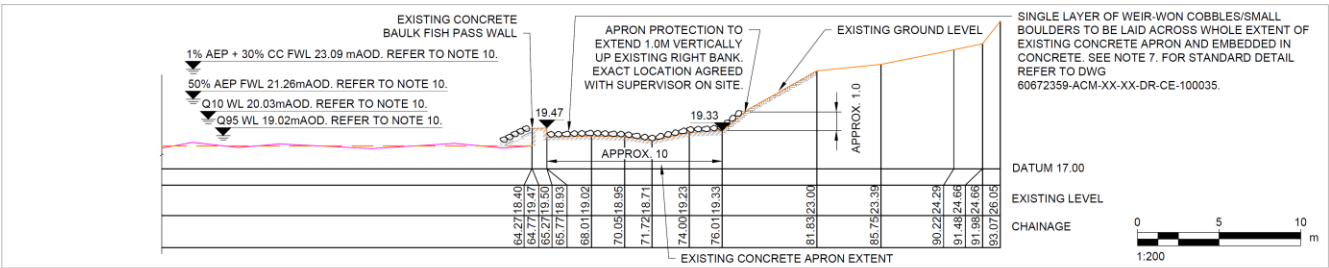


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Project Management Initials: Designer: AM Checked: MB Approved: KB

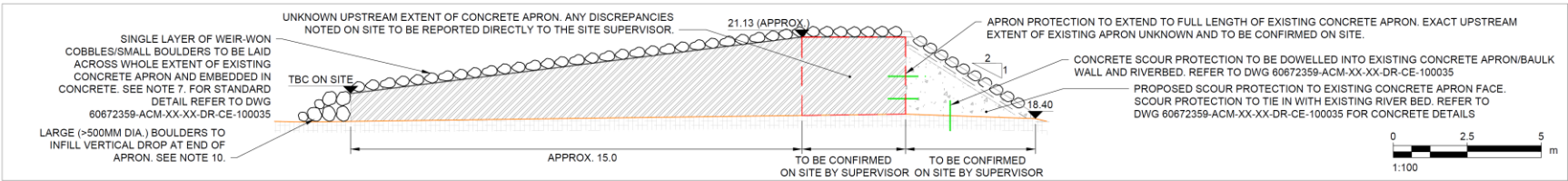
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Filename:



APRON PROTECTION PLAN



E APRON PROTECTION CROSS SECTION



F APRON PROTECTION LONG SECTION



AECOM

PROJECT

ERBISTOCK WEIR
PARTIAL REMOVAL

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- 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

P/I	DATE	DESCRIPTION
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PROJECT NUMBER

60672359

SHEET TITLE

ERBISTOCK WEIR
APRON PROTECTION
PLAN, SECTIONS AND DETAILS

SHEET NUMBER

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



PROJECT

ERBISTOCK WEIR

PARTIAL REMOVAL

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- NOTES
1.

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2.

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3.

FOR PROPOSED GENERAL ARRANGEMENT REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-100000.
4.

FOR SITE LOCATION PLAN REFER TO DRAWING 60672359-ACM-XX-XX-DR-CE-100002.
5.

FOR PROPOSED CONSTRUCTION SEQUENCING REFER TO DRAWINGS 60672359-ACM-XX-XX-DR-CE-100030 TO 100032.
6.

DRAWING TO BE READ IN CONJUNCTION WITH THE SPECIFICATION FOR HIGHWAY WORKS (S.H.W) SUPPLEMENTED WITH PROJECT SPECIFIC APPENDICES.
7.

BOULDERS TO BE SITE-WON AND ANGULAR TO PERMIT INTERLOCKING OF THE STONE WITH ADJACENT STONES.
8.

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- KEY
- SCOUR PROTECTION (SEE NOTE 8)
- BOULDER (SEE NOTE 7)
- TOPSOIL (SECTION)
- GEOTEXTILE (SECTION)
- TOPSOIL (PLAN) SEEDED WITH GRASS SEED WITH REINFORCEMENT GEO-TEXTILE PLACED OVER
- EXISTING DECKING AREA
- EXISTING CONCRETE WALL

ISSUE/REVISION

P1	25/07/22	FOR TENDER / CONSTRUCTION
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PROJECT NUMBER

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SHEET TITLE

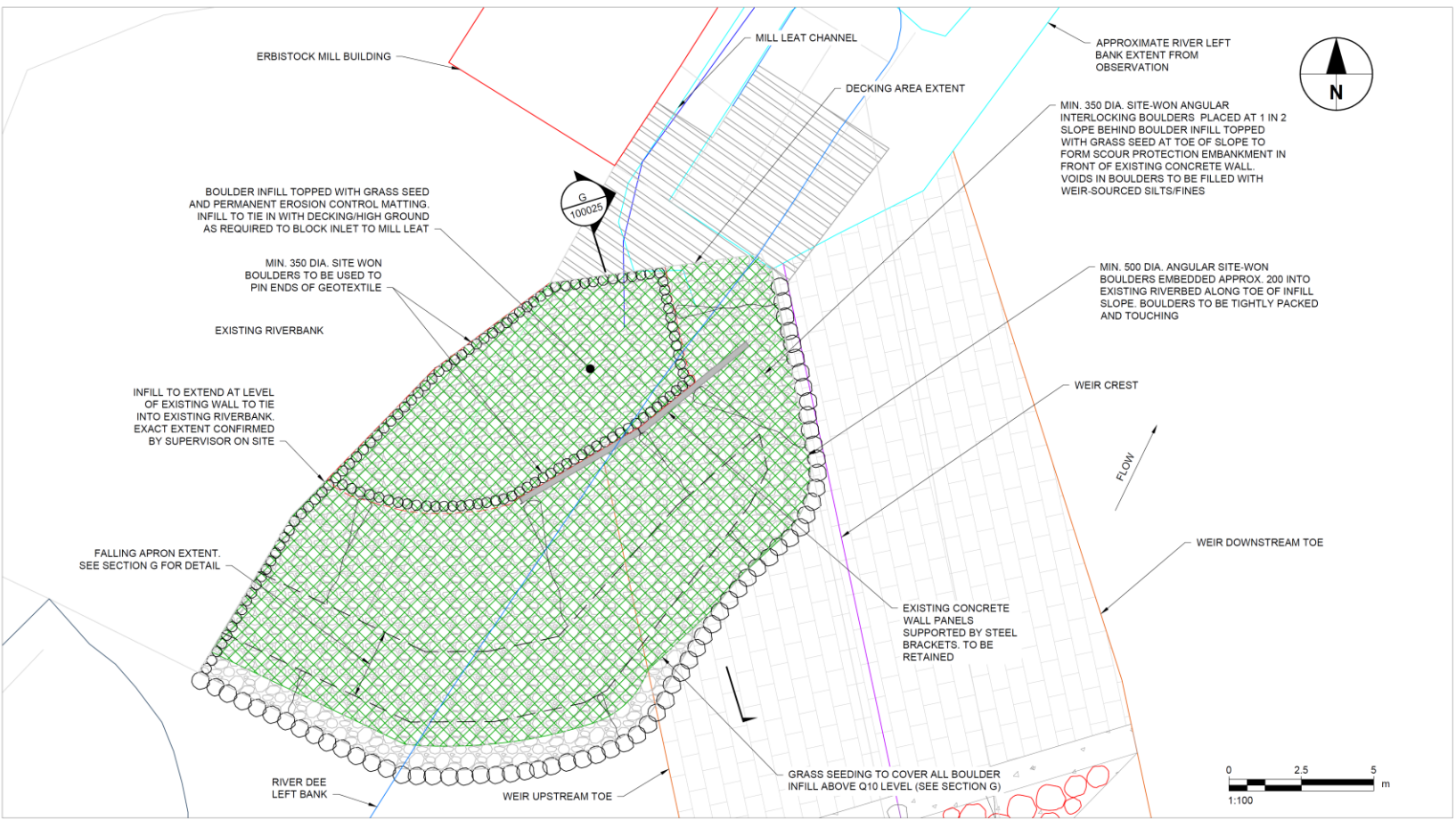
ERBISTOCK WEIR

LEFT BANK RIVER TRAINING WORKS

PLAN AND SECTION

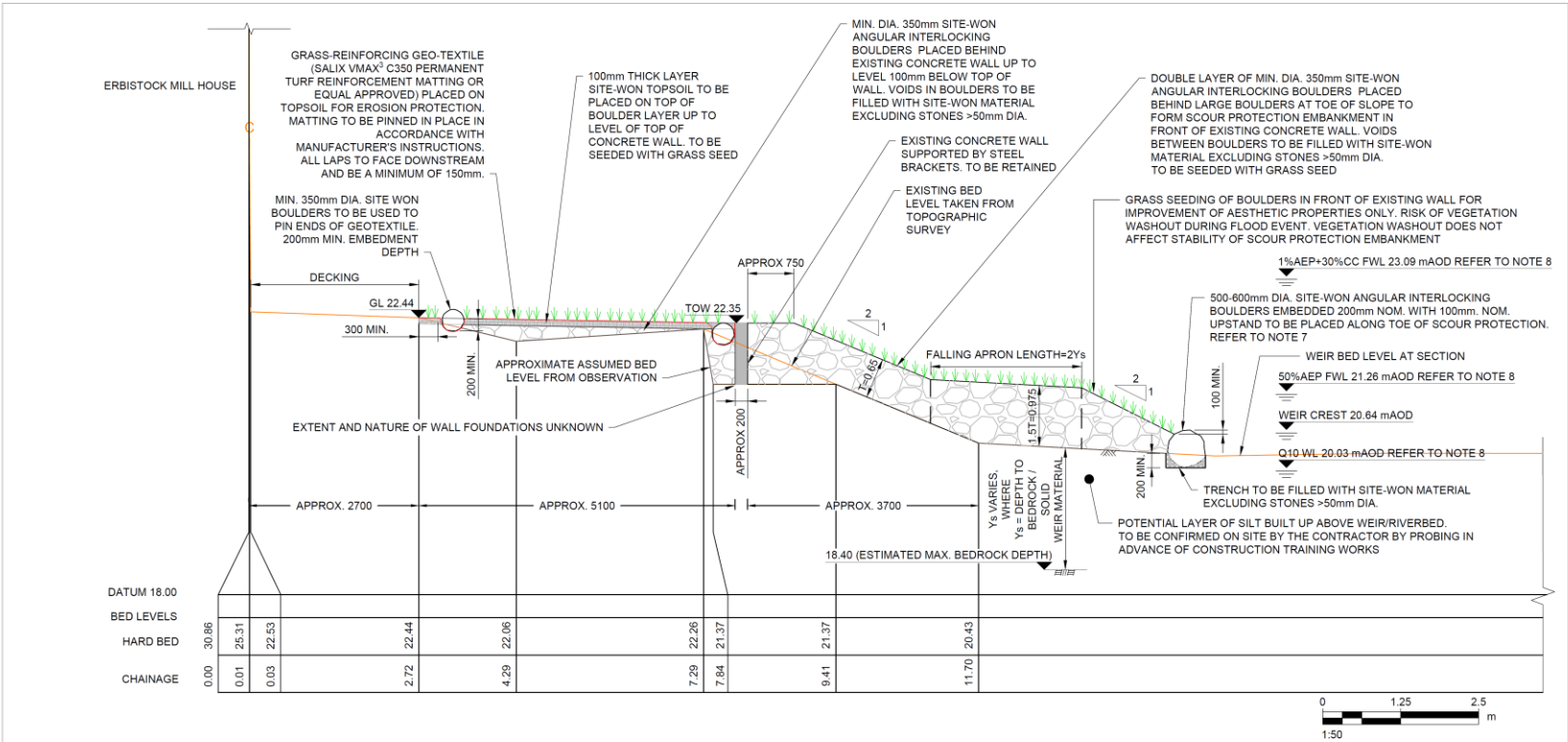
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LEFT BANK RIVER TRAINING WORKS PLAN VIEW

1:100



G LEFT BANK RIVER TRAINING WORKS SECTION

100025

1:50



PROJECT

ERBISTOCK WEIR
PARTIAL REMOVAL

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- SINGLE LAYER OF SMALL BOULDERS WON FROM WEIR EXCAVATION TO BE EQUIVALENT TO S.H.W CLASS 6B MATERIAL, UNLESS OTHERWISE AGREED WITH THE DESIGNER. EMBEDDED IN C40/50 CONCRETE.
- U.N.O = UNLESS NOTED OTHERWISE.
- CONCRETE SCOUR PROTECTION DETAIL SHOWN IS BASED ON ASSUMPTION OF TWO-STAGE CONCRETE CONSTRUCTION TO INSTALL BOULDERS. CONTRACTOR MAY PROPOSE MONOLITHIC SINGLE STAGE CONSTRUCTION PROVIDED THAT THE MINIMUM COVER TO REINFORCEMENT CAN BE ACHIEVED.

KEY

- INDICATIVE BAULK FISH PASS WALL AND APRON
- APRON SURFACE CONCRETE (SEE NOTE 7)
- BEDROCK (ASSUMED)
- RETAINED EXISTING WEIR
- EXISTING RIVERBED AND WEIR PROFILE
- BOULDERS (SEE NOTE 7)

ISSUE/REVISION

P1	25/07/22	FOR TENDER / CONSTRUCTION
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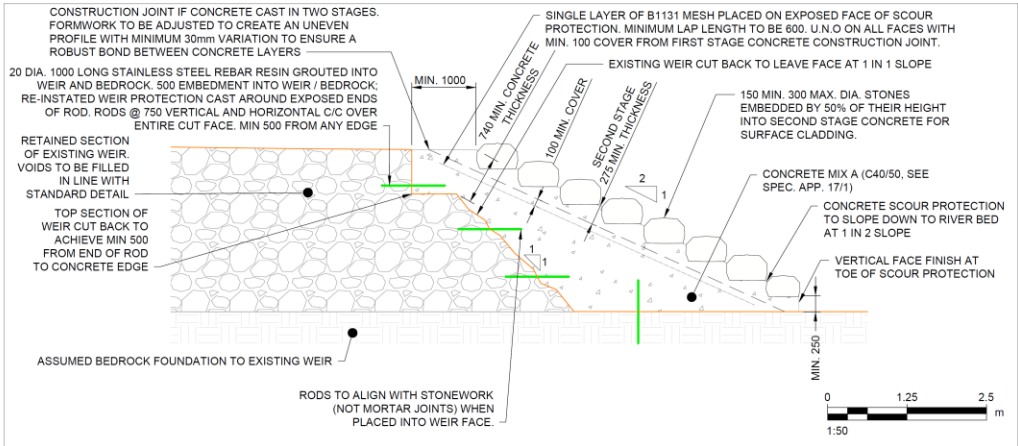
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SHEET TITLE

ERBISTOCK WEIR
STANDARD DETAILS

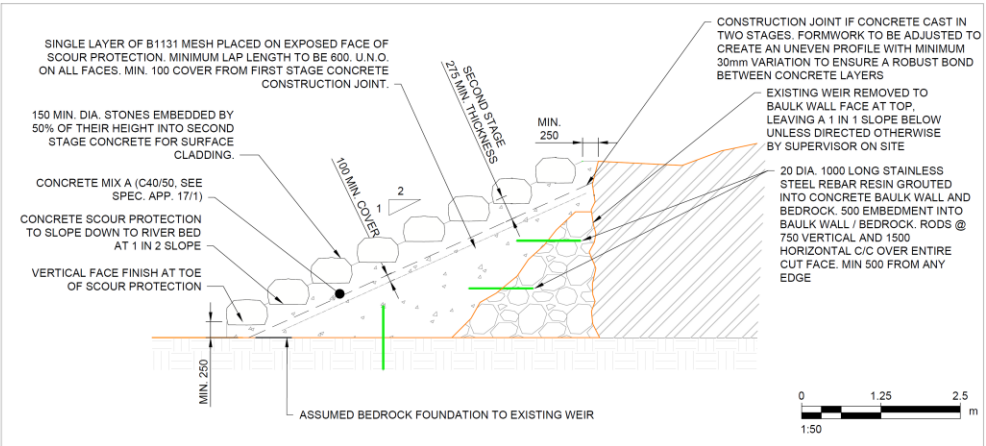
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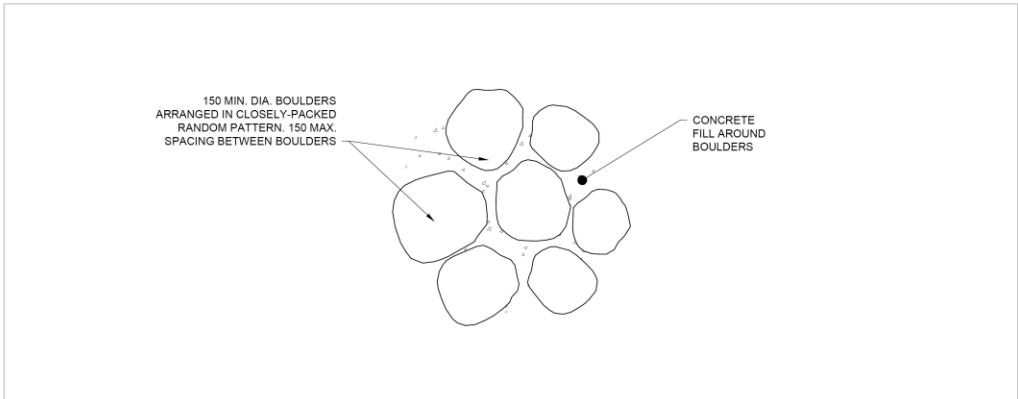
CONCRETE SCOUR PROTECTION WEIR TIE-IN STANDARD DETAIL

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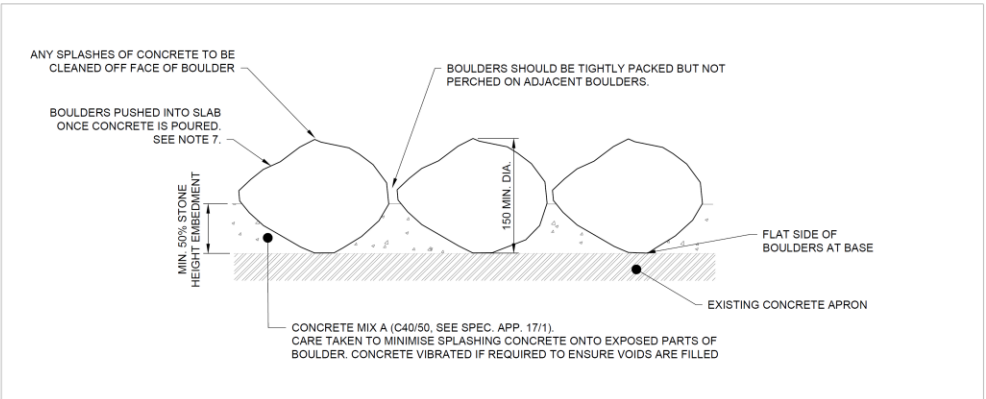
CONCRETE SCOUR PROTECTION CONCRETE WALL TIE-IN STANDARD DETAIL

1:50



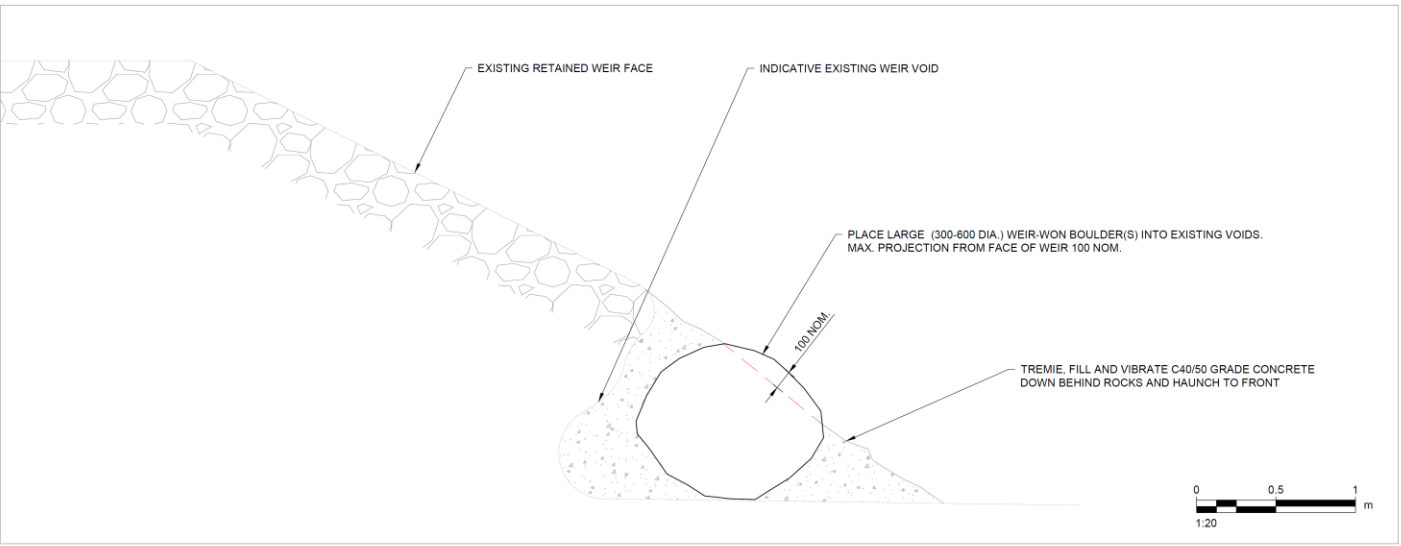
APRON PROTECTION STANDARD DETAIL PLAN VIEW

N.T.S



APRON PROTECTION STANDARD DETAIL SECTION

N.T.S



WEIR VOID REPAIR STANDARD DETAIL

1:20

**Would you like to find out more about us,
or about your environment?**

**Then call us on
0300 065 3000 (Mon-Fri 9-5)**

**email
enquiries@naturalresourceswales.gov.uk**

**or visit our website
www.naturalresourceswales.gov.uk**

**incident hotline 0300 065 3000 (24hrs)
floodline 0345 988 1188**



Environment first: This publication is printed on paper made from 100 per cent previously used waste. By-products from making the pulp and paper are used for composting and fertiliser, for making cement and for generating energy.