



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

The Natural Resources Body for Wales (hereafter referred to as "NRW") grants this licence to:-

Berwyn Hydro Limited ("the Licence Holder")
7 Milldale Road
Farnsfield
Newark
Nottinghamshire
NG22 8DQ

Company Registration Number: 05473399

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.

Signed:

A handwritten signature in blue ink, appearing to read "A. Lansdown".

Ashley Lansdown
Permitting Team Leader
Permitting Service
Natural Resources Wales
Cambria House
29 Newport Road
Cardiff
CF24 0TP

Date of issue:.....17 November 2020

Date effective:.....17 November 2020

Date of original issue:.....23 July 2014

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 the Nant Cwm Tywyll at Llandrillo, Corwen, Denbighshire.

2. POINT OF IMPOUNDMENT

- 2.1 At National Grid Reference SJ 04133 34940 marked 'Point A' on the map.

3. MANNER AND EXTENT OF IMPOUNDMENT

- 3.1 Intake works consisting of a concrete weir, Coanda intake screen with spacing no greater than 1 millimetres, a rectangular notch, intake tank, settling tank, gravity feed penstock pipe, a fish pass with three pools formed from steel tray and concrete with rectangular notches, in accordance with the specifications and drawing:

'NANT CWM TYWYLL INTAKE P89 205 R3',

dated 23/09/2020, a copy of which is appended to this licence, or such minor amendments to that document that are accepted in writing by NRW prior to the date of commencement of construction.

4. FURTHER CONDITIONS

- 4.1 For the purpose of this licence, references to 'intake works' shall mean all works consisting of a concrete weir, Coanda intake screen with spacing no greater than 1 millimetres, a rectangular notch, intake tank, settling tank, gravity feed penstock pipe, a fish pass with three pools formed from steel tray and concrete with rectangular notches.
- 4.2 The Licence Holder shall ensure that during construction works, any subsequent maintenance works to the intake works, and when abstraction for the purpose of power production is not taking place, the flow in the Nant Cwm Tywyll is allowed to pass downstream unchanged in quantity and quality at all times.
- 4.3 Prior to commencement of the works authorised by this licence, the Licence Holder shall give 28 calendar days notice in writing to NRW of their intention to commence the authorised works.
- 4.4 The Licence Holder shall confirm to NRW in writing that the intake works have been constructed in accordance with the submitted specifications and drawing referred to in Condition 3.1 of this licence 28 calendar days before the scheme is commissioned or becomes operational.
- 4.5 The Licence Holder shall construct, operate and maintain the intake works in accordance with the specifications and drawing referred to in Condition 3.1 of this licence and keep them free from leakage and obstruction at all times.
- 4.6 The intake works authorised by this licence shall not be carried out in the watercourse between October 17 and May 15 in any year.

- 4.7 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.
- 4.8 The intake works authorised by this licence shall not be carried out in the watercourse between 1 March and 31 August in any year unless a Red Kite survey has been undertaken by an ornithologist to assess the potential to disturb or otherwise impact breeding Red Kite, the results and recommendations of which should be included in the Method Statement required by Condition 4.7.

ADDITIONAL INFORMATION

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

REASONS FOR CONDITIONS

Conditions 4.1, 4.3, 4.4 and 4.5: to ensure the intake works are constructed, operated and maintained in accordance with the drawing and specifications agreed by NRW during the determination of this licence.

Conditions 4.2 and 4.5: 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 construction and subsequent maintenance.

Condition 4.3: to start NRW's compliance process.

Condition 4.6: to avoid damage to fish during vulnerable life stages such as spawning, migration, emergence and early maturation.

Condition 4.7: to ensure an approved Method Statement is in place, before any construction works commence.

Condition 4.8: to avoid any potential to disturb or otherwise impact breeding Red Kite during the breeding season.

IMPORTANT NOTES

This licence forms part of a hydropower scheme consisting of two intakes, one on the Afon Clochnant and the other on the Nant Cwm Tywyll.

This impoundment licence facilitates the abstraction of water from the Nant Cwm Tywyll authorised under licence serial number WA/067/0003/022/V001 for the hydropower scheme.

The Afon Clochnant intake is facilitated by abstraction licence serial number WA/067/0003/020/V001 and associated impoundment licence serial number WA/067/0003/021/V001.

For the purposes of Conditions 3.1, 4.3, 4.4, 4.7 and 4.8, the Licence Holder shall contact:

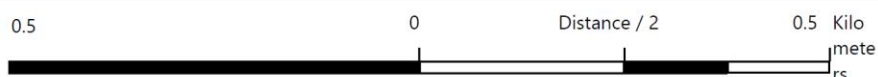
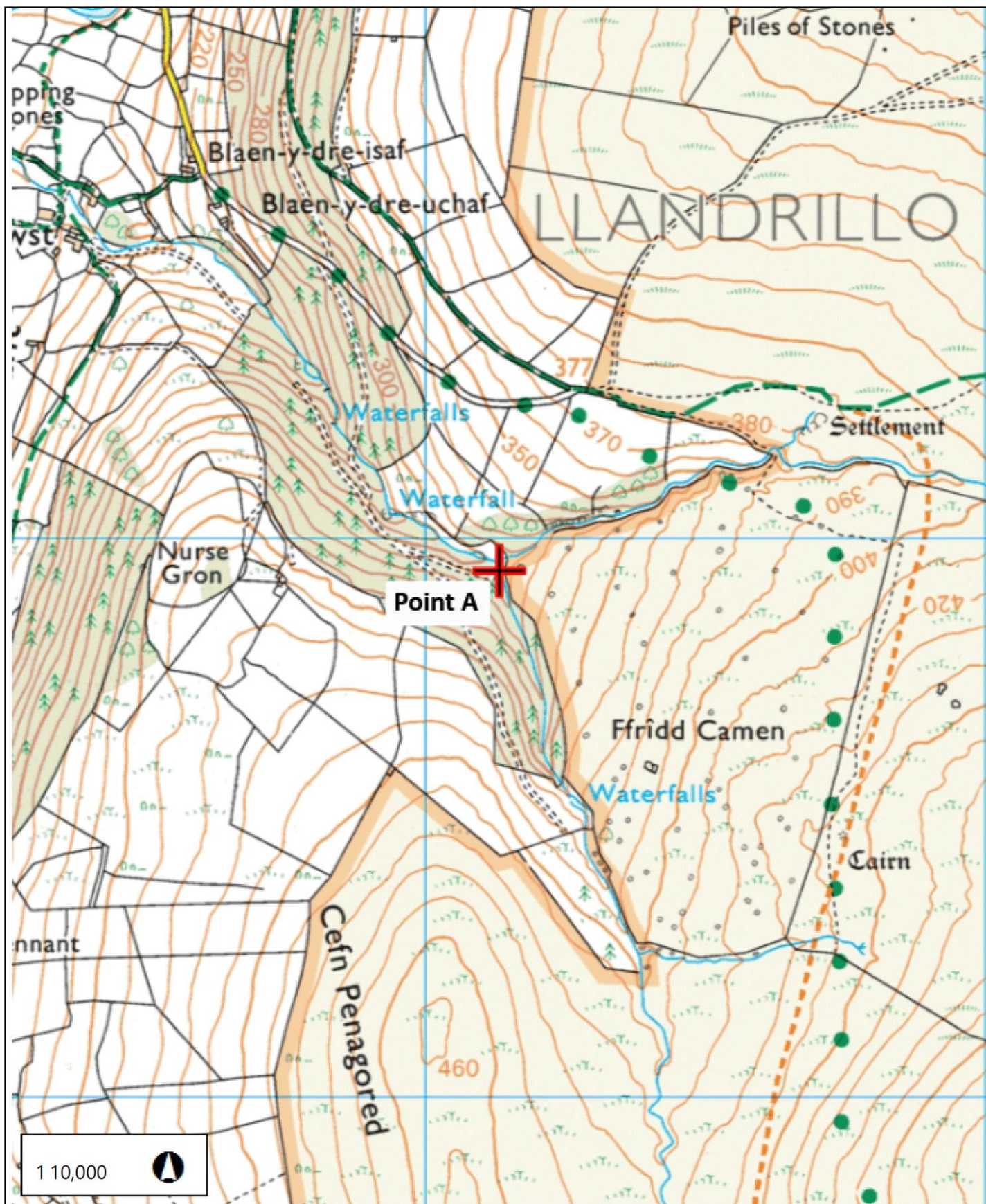
Water Resources Environment Officer
Denbighshire Environment Team
Natural Resources Wales
Flintshire
Chester Rd
Buckley
Flintshire
CH7 3AJ

Tel: 0300 065 3000

Email: DenbighshireEnvironmentTeam@cyfoethnaturiolcymru.gov.uk

Licence history

Licence Serial Number	Issue and Effective Date	Summary of Changes
WA/067/0003/023	23/07/2014	Original issue of licence.
WA/067/0003/023/V001	17/11/2020	Licence variation to change point of impoundment, technical drawings, description of intake works and to include conditions requiring submission of Method Statement and a Red Kite Survey for works proposed between 1 March and 31 August in any year.



British National Grid



**Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales**

MAP ACCOMPANYING LICENCE NUMBER / MAP I GYFEILIO TRWYDDDED RHIF
WA/067/0003/023/V001
Scale I Graddfa 1:10,000

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Hawlfraint y Goron a hawl cronfa ddata Arolwg Ordnans. Cyfoeth Naturiol Cymru, 100019741, 2015.



IF IN DOUBT – ASK

NOTE:
INTAKE USES ONE & A HALF WIDTHS OF "HALF HEIGHT" COANDA SCREEN. MINIMUM SCREEN BAR GAP 1mm.

STEEL TRAY TO BE MINIMUM 6mm THICKNESS AND TO BE GALVANISED.

FOR PIPE ROUTE DETAILS REFER TO WORD DOCUMENT CADWST HYDRO PIPE REALIGNMENT R2 & DRAWING P89 201 R2 INTAKE BLOCK PLAN.

ANY GAPS OR VOIDS BETWEEN THE STEEL TRAY AND ROCK BANK TO BE SEALED / FILLED.

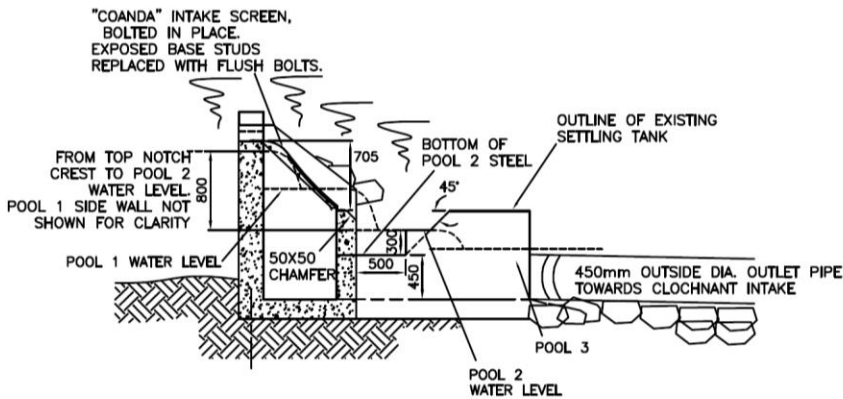
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.

ALL ELEVATIONS ARE IN METRES AOD

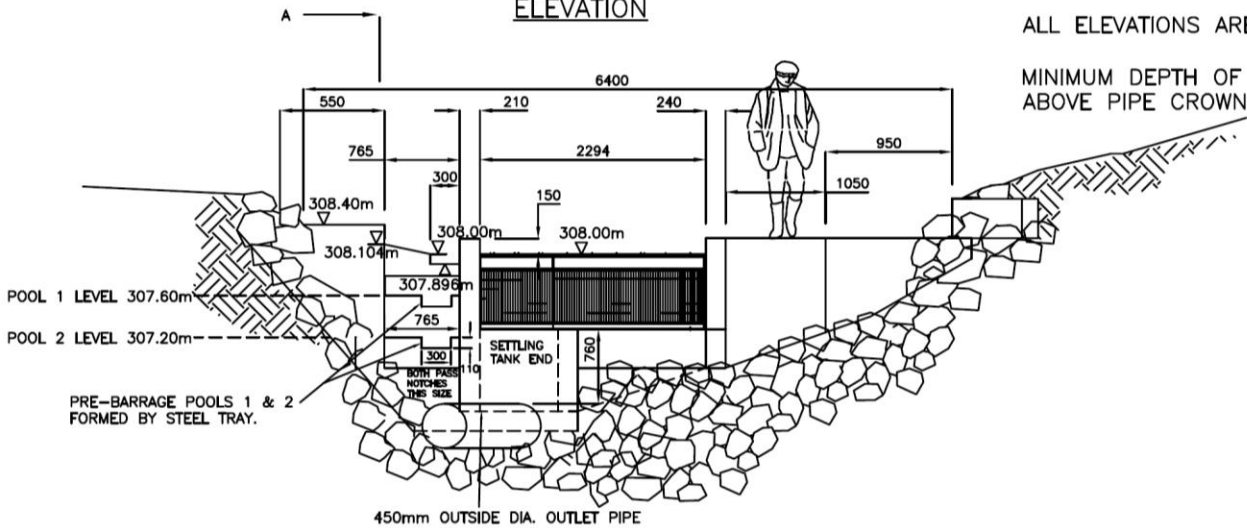
MINIMUM DEPTH OF WATER ABOVE PIPE IN 'POOL 3' TO BE 100mm ABOVE PIPE CROWN

WEIR CO-EFFICIENT OF 1.7 USED FOR CONCRETE FISH POOL NOTCHES. 1.9 CO-EFFICIENT FOR STEEL FISH POOL NOTCHES.

SECTION AA

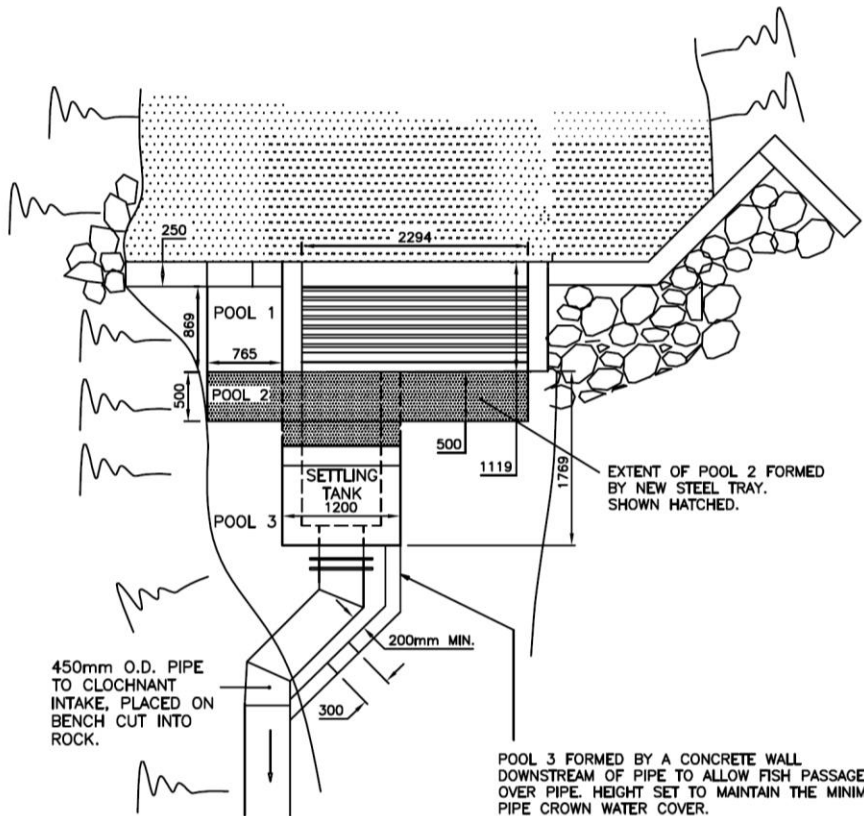
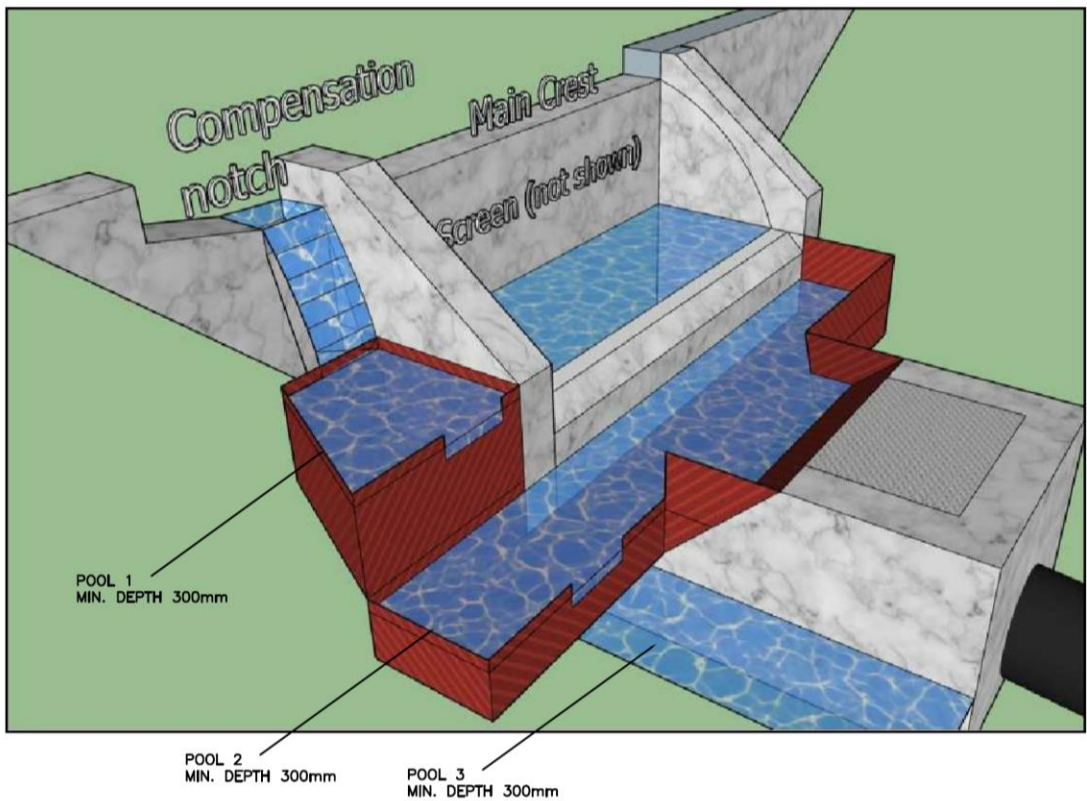


ELEVATION



PICTORIAL VIEW

EXTENT OF STEEL TRAY SHOWN IN DARK RED.



PLAN

POOL 3 FORMED BY A CONCRETE WALL DOWNSTREAM OF PIPE TO ALLOW FISH PASSAGE OVER PIPE. HEIGHT SET TO MAINTAIN THE MINIMUM PIPE CROWN WATER COVER.

THE NOTCH IS 300mm WIDE BY 110mm DEEP.

ALTERNATIVELY MADE FROM PLACED BOULDERS.

LOCATION OF THE WALL DETERMINED BY LOCATION OF THE 450mm DIAMETER PIPE.

3	Information added. Compare to R2	STP	RAR	23.09.20
2	Clarifications added. Compare to R1	STP	RAR	19.07.20
1	Extra dimensions added	STP	RAR	07.07.20
0	Original Drawing Issue	STP	RAR	10.06.20
Iss	Description	Drawn	Chk'd	Date

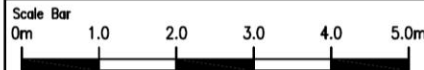
Client

Project Title

CADWST
HYDRO PROJECT

Drawing Title

NANT CWM TYWYLL INTAKE



CADWST MAWR, LLANDRILLO CORWEN
DENBIGHSHIRE LL21 0TD
MOB: 07901 666621
Email: info@flowwithform.co.uk

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Prints from this drawing are uncontrolled unless otherwise indicated

Scale	Zip Disk No	Original Size
1:75		A3
Project No	Drawing No	Issue
P89	205	R3

**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**



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