



Cyfoeth Naturiol Cymru
Natural Resources Wales

Water Resources LICENCE TO

ABSTRACT

WATER

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. The permission or right to abstract water may be valuable to your landholding. So -

- **Keep the licence safe, preferably with your deeds etc.**
- **Take careful note of the comments below about “transfer and apportionment” and “death and bankruptcy”.**

This is to ensure that the permission and any rights granted by the licence continue if you need to pass it on to someone else.

If you want to:

- **revoke (cancel) the licence;**
- **vary (change/amend) the licence in any way or**
- **change your contact address (but you continue to hold the licence).**

Please write to us at your local Natural Resources Wales office.

Details of this licence are placed on a register, kept by Natural Resources Wales and open for inspection by the public. The public may also obtain further details about it by virtue of the Environmental Information Information Regulations 2004 (see also Disclosure of Information) except in special cases (for advice please contact us at the address shown on the front page of the licence).

Transfer and apportionment

If you need to pass this licence or any part of it to someone else, you must contact Natural Resources Wales and obtain the appropriate application forms. Temporary licences cannot be transferred or apportioned. The licence holder remains responsible for compliance with the terms of the licence and any charges payable until the licence has been transferred or apportioned.

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.

Time limits

Your licence may be subject to a time limit (stated on the front of your licence). All new abstraction licences are legally required to include a time limit. For variations to licences, time limits are added in accordance with our policy.

The duration of a time limit is determined in accordance with our time limiting policy. The time limit is linked to the next or subsequent review of water resources within a Catchment Abstraction Management Strategy (CAMS).

There will be a presumption of renewal providing three tests are met: environmental sustainability is not in question; there is continued justification of need; and water is being used efficiently. Any application for renewal will still be subject to the normal statutory considerations.

If your licence is time limited and you wish to renew it when it expires, you will need to apply for a new licence to replace the existing one. You are advised to submit this application at least three months before it expires. To allow you to give early consideration to this, we will send you a reminder approximately 18 months before the expiry date.

If your licence cannot be renewed, we will endeavour to give at least six years notice. We will also endeavour to give at least six years notice where the licence is likely to be renewed on different terms and will significantly impact upon the use of the licence.

In exceptional circumstances, for example where there are other overriding statutory duties such as the Habitats Regulations, it may not be possible to provide six years notice.

Charges

Unless specifically exempted, we may levy an annual CHARGE for water AUTHORISED to be abstracted by this licence, in accordance with our abstraction charges scheme in force at the time.

The licence may be revoked if charges are not paid.

Quantity and quality of water

You must not abstract more than the quantity specified in the licence.

Natural Resources Wales does not, by issue of this licence or otherwise, in any way guarantee that the source of supply will produce the quantity of water authorised to be abstracted by this licence, nor that the water is fit for its intended use.

The quantity of water authorised for abstraction is given in cubic metres. One cubic metre is approximately 220 gallons.

(The precise conversion is 1 cubic metres = 219.969 gallons).

Source of supply and authorised point of abstraction

You may abstract from the point(s) specified in the licence and from no other points. If you want to add or change the authorised point(s) of abstraction, you must apply to us to vary the licence.

Land on which water is authorised to be used

Where this condition applies, you may only use the water you abstract on the area specified in the licence. You must apply to us to vary the licence if you wish to extend or alter this area or remove it.

Purpose for which water is authorised to be used

You may only use the water for the purpose(s) specified in the licence. You must apply to us to vary the licence if you wish to add to or change the purpose(s).

Offences

Under the Water Resources Act 1991 it is an offence:-

- to abstract water, or cause or permit any other person to abstract water, unless the abstraction is authorised by and in accordance with an abstraction licence, or is subject to an exemption;
- to do anything to enable abstraction, or to increase abstraction, except in accordance with an abstraction licence or exemption;
- to fail to comply with the conditions of an abstraction licence.
Note in particular that it may be a condition of the licence to maintain the meter or other measuring device etc. and failure to do so will be an offence;
- to interfere with a meter or other device which measures quantities of water abstracted so as to prevent it from measuring correctly;
- to fail to provide information which we have reasonably required for the purpose of carrying out any of the Natural Resources Wales water resources functions;
- to knowingly make false statements for the purpose of obtaining a licence or consent or in giving required information.

The requirement for a licence is subject to some exemptions, set out in the Water Resources Act 1991 as amended. If in any doubt as to whether you need a licence, contact us at the address shown at the bottom of the front page of the licence.

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 the 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.

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

You must serve notice of appeal within 28 days of the date of receipt of this licence (although the Secretary of State and The 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 in 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 or abstraction returns. In certain restricted circumstances it is possible to claim that information should be kept confidential. If you require more information about keeping this information off the public register because it is confidential, please contact us by writing to the address shown on the front page of the licence within 28 days of receiving this licence.



FULL LICENCE TO ABSTRACT WATER

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

National Trust Renewable Energy Limited ("the Licence Holder")

Heelis
Kemble Drive
Swindon
Wiltshire
SN2 2NA

Company Registration Number: 08763161

This licence authorises the Licence Holder to abstract water from the source of supply described in the Schedule of 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 the date of expiry shown below.

Signed:

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

Ashley Lansdown
Permitting Team Leader
Permitting Service
Natural Resources Wales
Welsh Government Offices
Cathays Park
King Edward VII Avenue
Cardiff
CF10 3NQ

Date of issue.....07 July 2025

Date effective.....01 April 2025

Date of expiry.....31 March 2037

Date of original issue.....01 June 2012

This licence should be kept safe and its existence disclosed on any sale of the property to which it relates. Please read the 'important notes' on the cover to this licence.

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. SOURCE OF SUPPLY

- 1.1 Inland water (river) known as the Afon Cwm Llan at Hafod y Llan near Beddgelert, Gwynedd.

2. POINT OF ABSTRACTION

- 2.1 At National Grid Reference SH 62124 52018 marked "Point A" on the map.

3. MEANS OF ABSTRACTION

3.1 At all times:

Intake works and a gravity feed pipe of an external diameter not exceeding 630 millimetres.

3.2 From Good Friday to August Bank Holiday Monday, 8am until 8pm, inclusive in each year:

Intake works and a gravity feed pipe of an external diameter not exceeding 630 millimetres controlled by an automated control system.

4. PURPOSE OF ABSTRACTION

- 4.1 Power production.

5. PERIOD OF ABSTRACTION

- 5.1 All year.

6. MAXIMUM QUANTITIES OF WATER TO BE ABSTRACTED

- 6.1 38,880 cubic metres per day
7,955,000 cubic metres per year
At an instantaneous rate not exceeding 450 litres per second.

Note: A day means any period of 24 consecutive hours and a year means the 12 month period beginning on 1 April and ending on 31 March.

7. MEANS OF MEASUREMENT OF WATER ABSTRACTED

- 7.1 (i) The Licence Holder shall determine the quantity of water abstracted by reference to the kilowatt-hours generated, as measured by a kilowatt-hours meter multiplied by the conversion factor determined using the calculation checklist attached to this licence.
- (ii) The Licence Holder shall retain supporting documentation relating to details of the methodology and calculations used to convert electricity generated to the quantities abstracted and make them available to NRW on request.

8. RECORDS

At all times:

- 8.1 (i) The Licence Holder shall record readings of the electrical output and the corresponding quantity of water abstracted at the same time each week, as determined using the calculation checklist attached to this licence or at such other intervals as may be approved by NRW in writing.
- (ii) The Licence Holder shall send to NRW a copy of the records required by (i) above within 28 days after 31 March in each year, and also within 28 days of being so requested in writing by NRW.
- (iii) The Licence Holder shall keep all records for at least 6 years, and shall allow NRW to inspect them during all reasonable hours.

8.2 From Good Friday to August Bank Holiday Monday, 8am until 8pm, inclusive in each year:

- (i) The Licence Holder shall record readings of the instantaneous electrical output and the corresponding quantity of water abstracted as specified in condition 7(i) at 15 minute intervals or as otherwise approved in writing by NRW.
- (ii) The Licence Holder shall send to NRW a copy of the hourly records derived from the records required by condition (i) above within 28 days after 31 August in each year and also within 28 days of being so requested in writing by NRW.

Note: An hour means the 60 consecutive minute period starting at 0:00hr

- (iii) Each record for (i) and (ii) above shall be kept and be made available during all reasonable hours for inspection by NRW for at least 6 years.

9. FURTHER CONDITIONS

9.1 For the purposes of the licence, references to 'hydropower scheme' shall mean all works that include the intake works consisting of a concrete weir equipped with an intake screen, 630 millimetre external diameter gravity feed penstock pipe, 20% residual notch and orifice plate, Pelton turbine, discharge outlet pipe fitted with 10 millimetre screen, gauge board and level sensor located behind the weir connected to a recording device.

9.2 The Licence Holder shall construct, operate and maintain the hydropower scheme in accordance with the specifications and drawings:

'Section and Valve Chamber' dated 07/06/2012
'Intake Outline Elevation' dated 07/06/2012
and 'Intake Outline Plan' dated 24/09/2012

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.

9.3 The Licence Holder shall, as far as is reasonably practicable, ensure that no water flows through the turbine if the Licence Holder is unable to generate power.

9.4 **From Good Friday to August Bank Holiday Monday, 8am until 8pm, inclusive in each year:**

- (i) No abstraction of water shall take place unless the rate of flow in the Afon Cwm Llan immediately downstream of the authorised point of abstraction, marked as "Point A" as specified in condition 2.1 above is equal to or greater than 180 litres per second and the abstraction shall not cause the flow immediately downstream of the said abstraction point to fall below such rate.
- (ii) The quantity of water abstracted shall not exceed 80% of the available flow in the Afon Cwm Llan in excess of 180 litres per second.

9.5 **At all other times:**

- (i) No abstraction of water shall take place unless the rate of flow in the Afon Cwm Llan immediately downstream of the authorised point of abstraction, marked as "Point A" as specified in condition 2.1 above is equal to or greater than 90 litres per second and the abstraction shall not cause the flow immediately downstream of the said abstraction point to fall below such rate.
- (ii) The quantity of water abstracted shall not exceed 80% of the available flow in the Afon Cwm Llan in excess of 90 litres per second.

9.6 **At all times during the first 12 months of operation or as otherwise agreed by NRW in writing, and thereafter from Good Friday to August Bank Holiday Monday, 8am until 8pm inclusive in each year:**

- (i) The Licence Holder shall use a level sensor zeroed to the intake screen level, as specified on drawing 'Intake Outline Elevation' dated 07/06/2012, to measure the level of water in the Afon Cwm Llan behind the weir located at National Grid Reference SH 62124 52018 shown on the map marked "Point A".
- (ii) The level sensor shall be connected to a recording device that accurately records the level of water behind the weir at 15 minute intervals or as otherwise approved in writing by NRW.
- (iii) No abstraction shall take place unless the Licence Holder has provided and installed a suitable level sensor and recording device in accordance with the manufacturer's instructions and any written directions given by NRW.
- (iv) The Licence Holder shall ensure that the level sensor and recording device are set up and working at all times when abstraction takes place.
- (v) The Licence Holder shall maintain the level sensor and recording device in such a condition, and if necessary replace them, so as to ensure that accurate measurements of water level are recorded at all times.
- (vi) The Licence Holder shall send to NRW a copy of the hourly records derived from the records required by condition (ii) above within 28 days after 31 August in each year and also within 28 days of being so requested in writing by the NRW.

Note: An hour means the 60 consecutive minute period starting at 0.0hr

- (vii) Each record for (ii) and (vi) above shall be kept and be made available during all reasonable hours for inspection by the NRW for at least 6 years.

- 9.7 (i) The Licence Holder shall use a gauge board zeroed to the intake screen level, as specified on drawing 'Intake Outline Elevation' dated 07/06/2012, to measure the level of water in the Afon Cwm Llan behind the weir located at National Grid Reference SH 62124 52018 shown on the map marked "Point A".
- (ii) No abstraction shall take place unless the Licence Holder has provided and installed a gauge board in accordance with the manufacturer's instructions and any written directions given by NRW.
- (iii) The Licence Holder shall install and maintain the gauge board in such a condition, and if necessary replace it so as to ensure that accurate measurements of water level are recorded at all times.
- 9.8 **At all times during the first 12 months of operation or as otherwise agreed by NRW in writing, and thereafter from Good Friday to August Bank Holiday Monday, 8am until 8pm inclusive in each year:**
- (i) Before abstraction commences the Licence Holder shall program the hydropower scheme's automated control system to ensure compliance with the conditions of this licence.
- (ii) In the event that the automated control system fails the Licence Holder shall cease operation immediately and notify NRW of this fact.
- (iii) No abstraction shall recommence unless the automated control system is fully operational and NRW has been notified of this fact.
- 9.9 (i) Prior to abstraction commencing the Licence Holder shall submit to NRW in writing a calibrated stage to electrical output relationship curve between the level of water behind the weir at National Grid Reference SH 62124 52018 as measured by the level sensor specified in condition 9.6(i) and the electrical output.
- (ii) The table of data described in (i) above shall be used to ensure compliance with condition 9.4(i) and 9.4(ii) above.
- (iii) The calculated stage to electrical output table specified in (i) and (ii) above shall be amended accordingly, if requested in writing by NRW, following the submission of the data required by (i) above.
- (iv) The amendment(s) shall be made within 28 days of written instruction by NRW.
- (v) The stage to electrical output relationship table specified in (i) and (ii) above shall be recalculated every five years from the date of issue or as otherwise agreed in writing, and submitted in writing to NRW.
- 9.10 (i) No abstraction shall take place unless the Licence Holder has installed a 10 millimetre screen to the discharge outlet pipe to prevent the entrapment, entrainment or impingement of fish.
- (ii) The Licence Holder shall maintain the screen and keep records of such maintenance available for inspection.

- 9.11 The Licence Holder shall return all the water abstracted in pursuance of this licence to the Afon Cwm Llan at National Grid Reference SH 62920 51370 marked 'Point Q' on the map.
- 9.12 The Licence Holder shall ensure that during construction works and any subsequent maintenance works to the hydropower scheme that the flow in the Afon Cwm Llan is allowed to pass downstream unchanged in quantity and quality at all times.

ADDITIONAL INFORMATION

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

REASONS FOR CONDITIONS

The licence is time-limited to a date to reflect the timing of a future review of the catchment resources availability.

Conditions 7 and 8: the Licence Holder is required to record readings of the electrical output and the corresponding quantity of water abstracted to demonstrate compliance with the conditions of this licence and to provide information on actual water usage for water planning purposes.

Conditions 9.1 and 9.2: to ensure the scheme has been constructed in accordance with the designs agreed.

Condition 9.3 to 9.5: to ensure a flow is maintained in the watercourse in order to maintain the river habitat for the conservation of the flora and fauna of the Afon Cwm Llan and to protect the lichen species found within the depleted reach..

Condition 9.6 to ensure the level of water behind the weir is measured and recorded for the purpose of establishing the stage to abstraction rate relationship curve and demonstrating compliance with the Good Friday to August Bank Holiday Monday, 8am until 8pm inclusive residual flow.

Conditions 9.7: to visually aid compliance checks.

Conditions 9.8 and 9.9: to ensure compliance with the Good Friday to August Bank Holiday Monday, 8am until 8pm inclusive residual flow.

Condition 9.10: to prevent the entrapment, entrainment and impingement of fish.

Condition 9.11: to ensure that this abstraction can be classed as non-consumptive.

Condition 9.12: to protect the environment and the interests of existing downstream lawful users of water.

IMPORTANT NOTES

Impoundment licence serial number WA/065/0004/009 has been issued to facilitate the abstraction of water for the hydropower scheme authorised by this abstraction licence.

For the purpose of conditions 7.1(ii), 8.2(iv), 9.2, 9.6 (vi), 9.8 & 9.9 the Licence Holder shall contact:

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

Tel: 0300 065 3000

Email: NorthWestPeopleandPlacesTeam@cyfoethnaturiolcymru.gov.uk

Water efficiency note

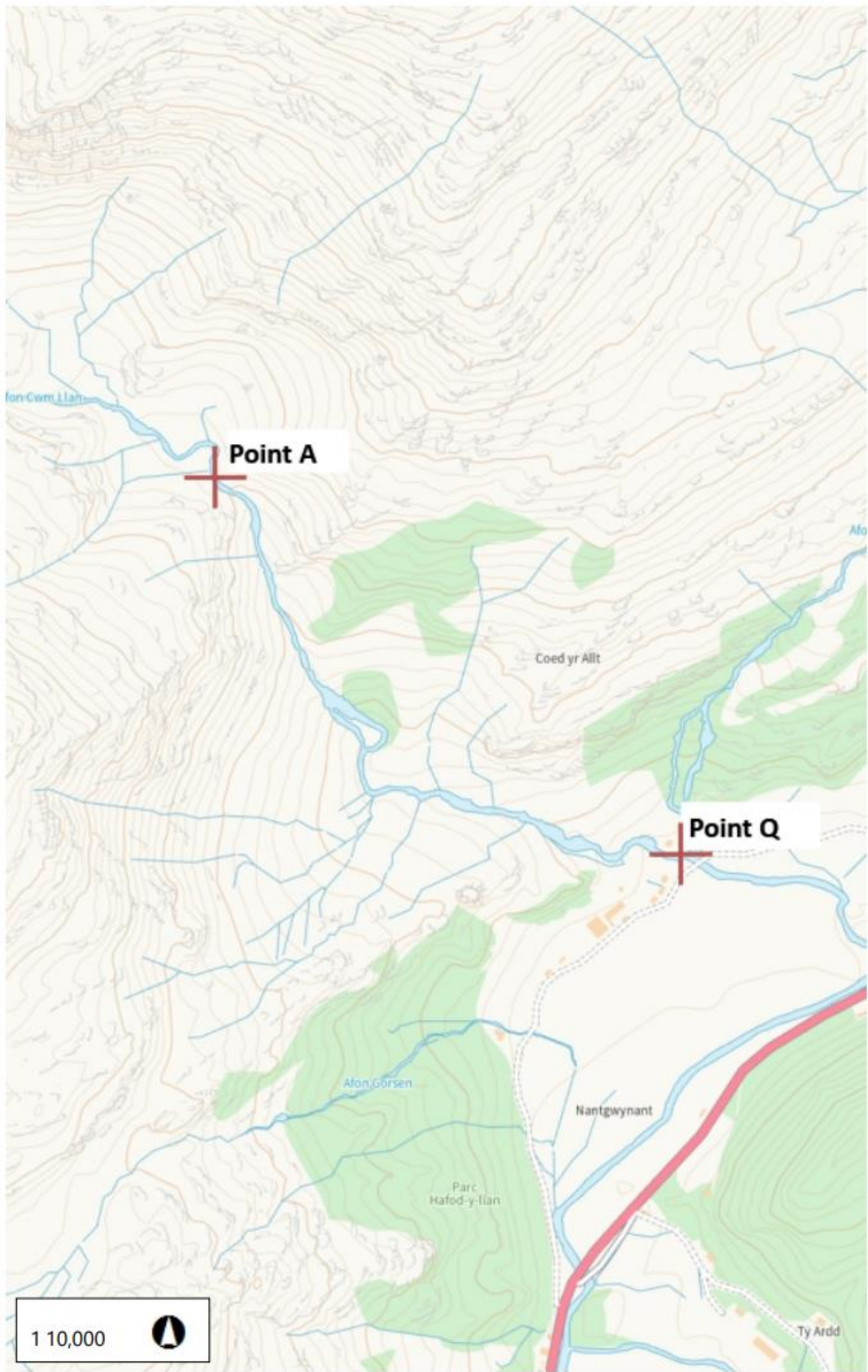
The Licence Holder should use water abstracted under the terms of this licence in an efficient manner. NRW may refer to its guidance on water efficiency (or equivalent guidance) in determining whether water is being used efficiently and may offer advice on any measures considered necessary to meet particular recommendations.

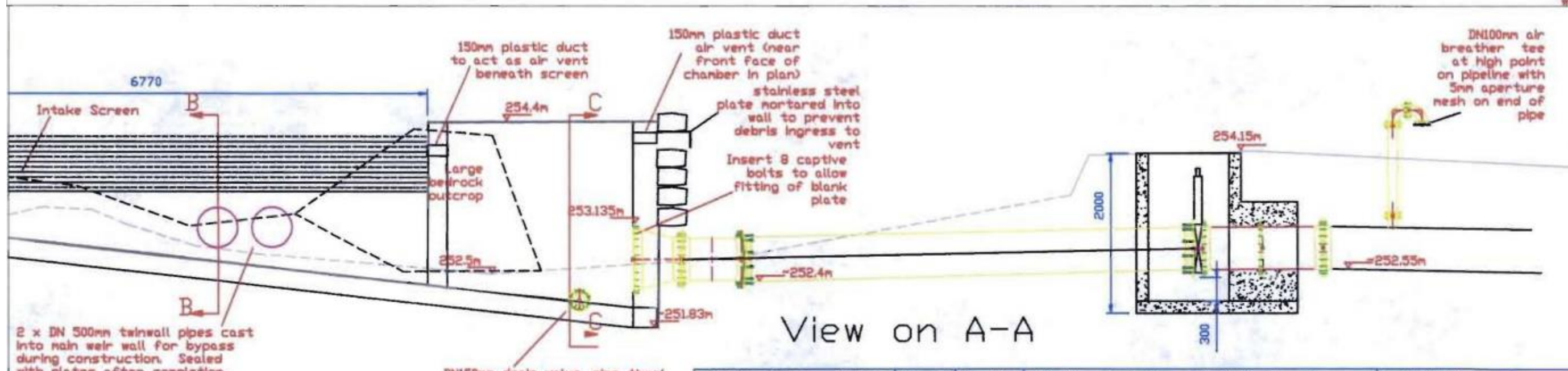
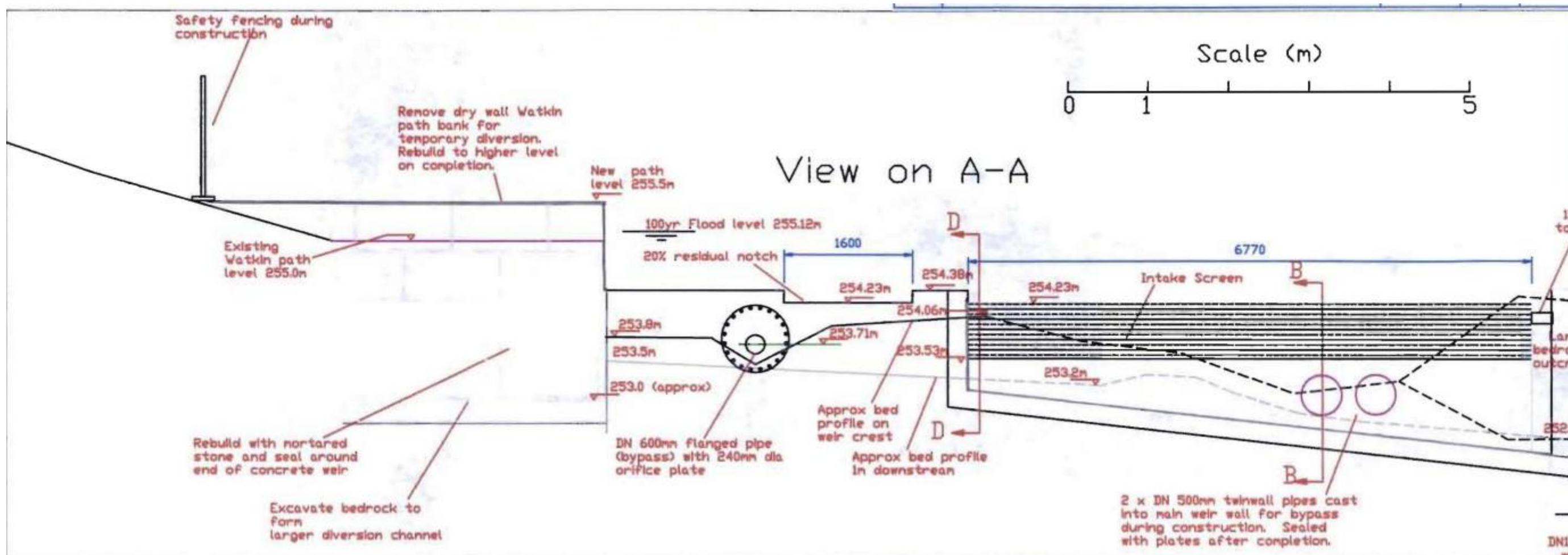
Screening


NRW will have regard to its Screening for Intakes and Outfalls: a Best Practice Guide (or equivalent guidance) in agreeing where, how and what type of fish screens should be installed and together with the results of any monitoring in determining whether the fish screens are properly effective and maintained, and in judging whether it is necessary to require repair or replacement of the fish screens.

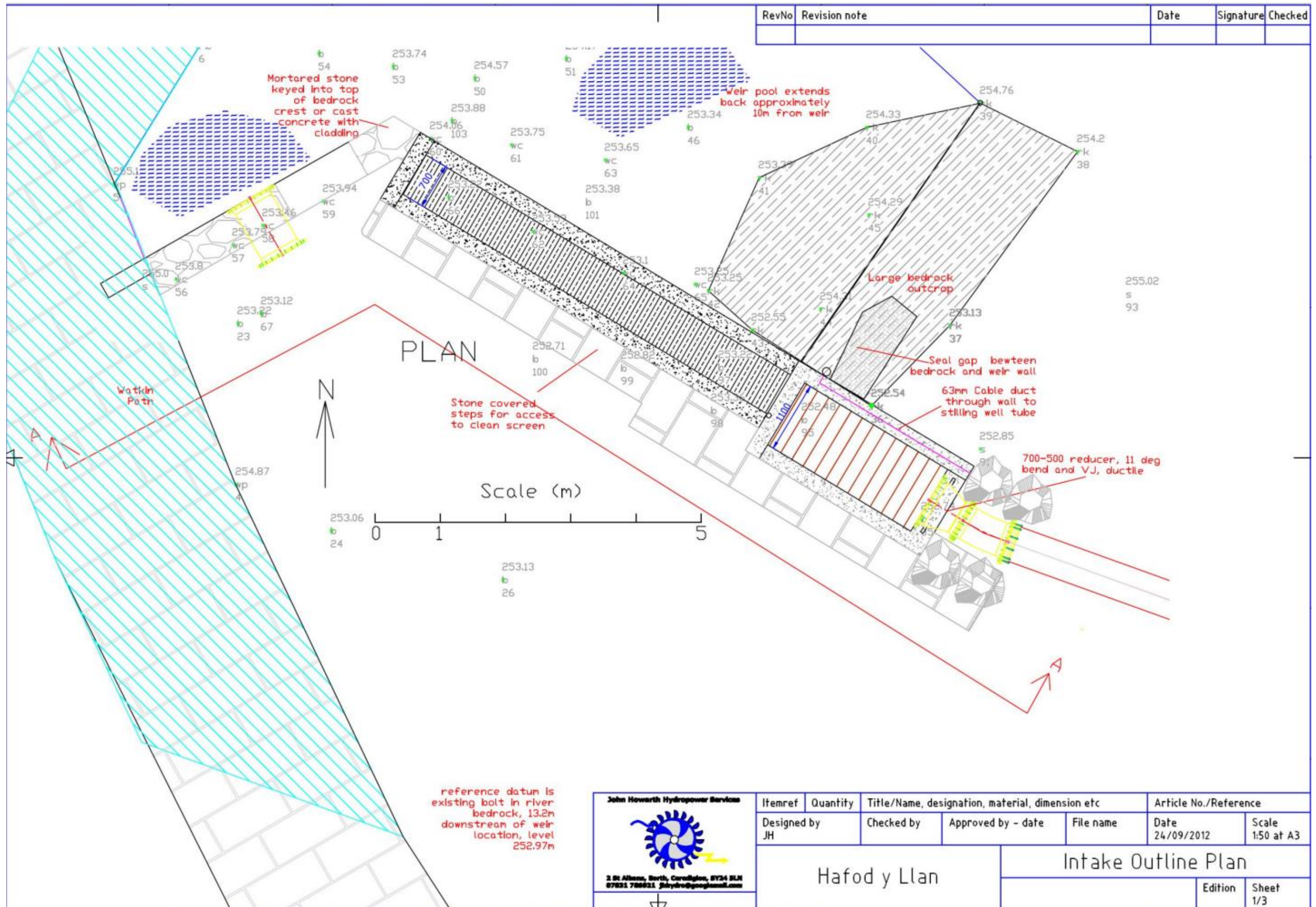
Licence history

Licence Serial Number	Issue and Effective Date	Expiry Date	Summary of Changes
WA/065/0004/005	01/06/2012	31/03/2025	Original Licence issued.
WA/065/0004/005	09/10/2012	31/03/2025	Licence varied so that measurement of water abstracted by meter; new Condition 9.6 to install level sensor, new Condition 9.7 to install gauge board, new condition 9.8 to program the scheme's automated control system to ensure compliance, new condition 9.9 to submit a calculated stage to abstraction rate relationship curve, new condition 9.10 to submit a stage to abstraction relationship curve between water level and rate of abstraction
WA/065/0004/005/V002	01/06/2016	31/03/2025	Transfer of Licence Holder from The National Trust to National Trust (Renewable Energy) Limited.
WA/065/0004/005/V003	26/09/2016	31/03/2025	Licence varied so that measurement of water abstracted is calculated by flow measurement analysis. Vary condition 9.9 to allow compliance with condition 9.4 using a calibrated stage to electrical output. Removal of condition 9.14 and 9.15
WA/065/0004/005/R001	Issue Date: 07/07/2025 Effective Date: 01/04/2025	31/03/2037	Licence renewed on same terms.

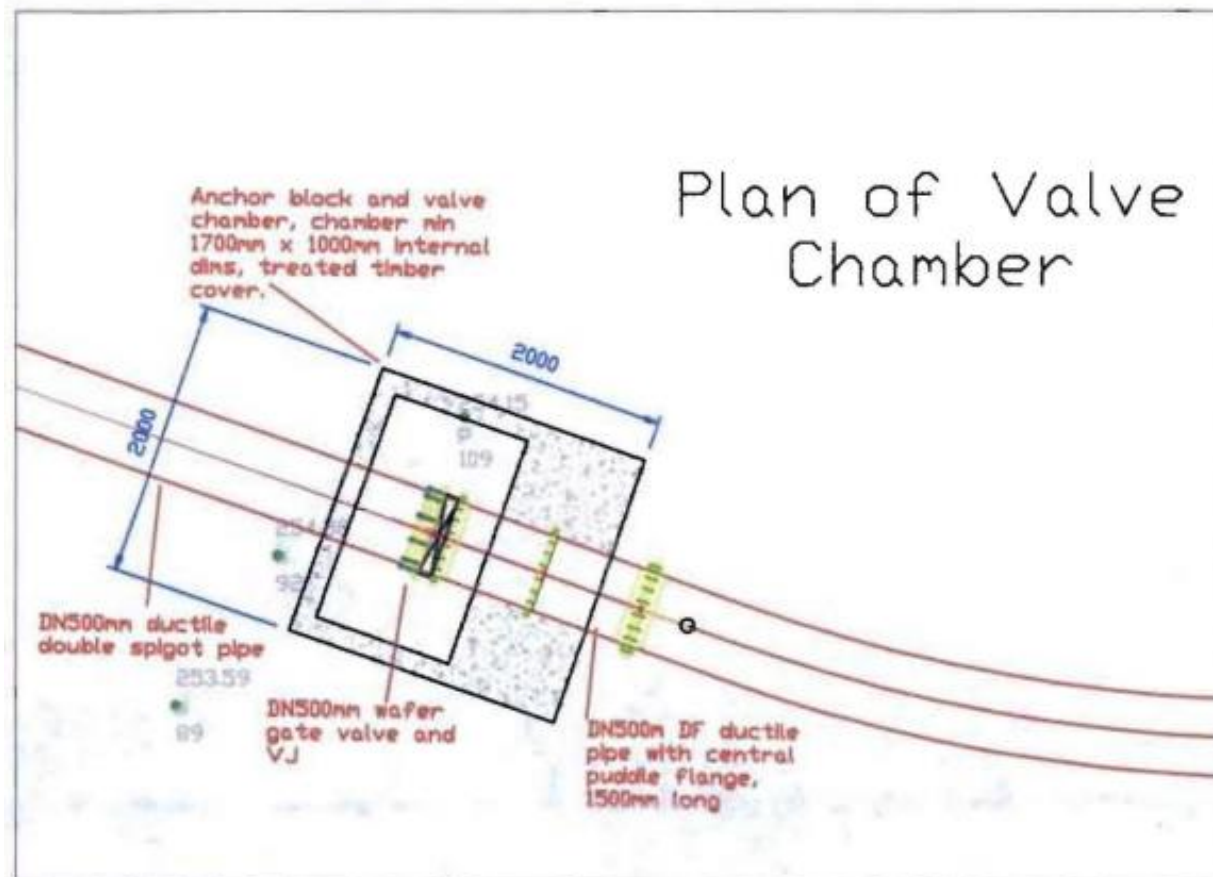
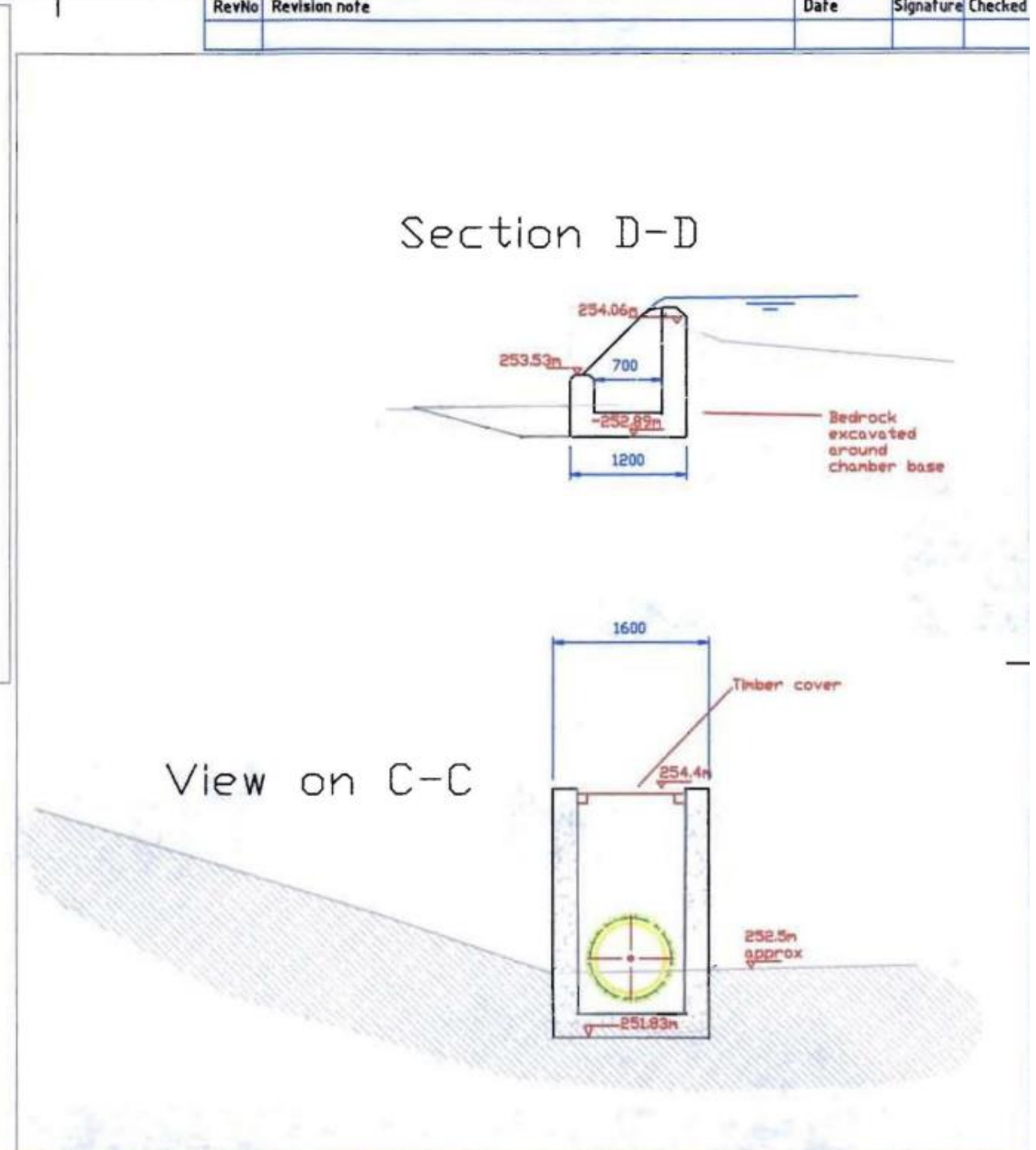
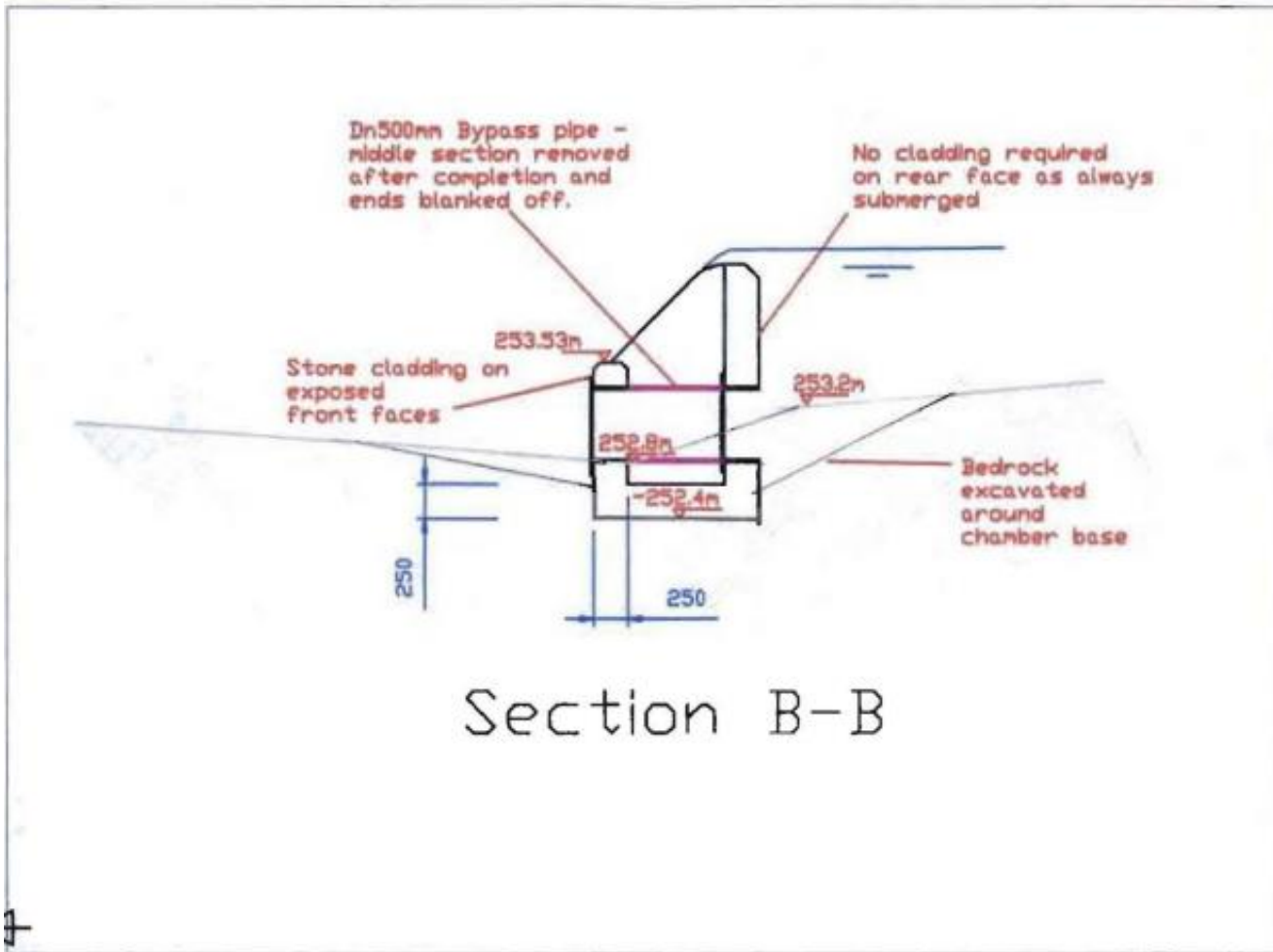




John Howarth Hydropower Services		Itemref	Quantity	Title/Name, designation, material, dimension etc	Article No./Reference	
		Designed by	JH	Checked by	Approved by - date	File name
		Hafod y Llan			Intake Outline Elevation	
					Date	Scale
					07/06/2012	1:50 at A3
					Edition	Sheet
						2/3



RevNo	Revision note	Date	Signature	Checked



Itemref		Quantity	Title/Name, designation, material, dimension etc		Article No./Reference	
Designed by JH		Checked by	Approved by - date		File name	Date 07/06/2012
Hafod y Llan			Sections and Valve Chamber			
					Edition	Sheet 3/3

Calculation Checklist

This checklist shall be used to record the site data and calculate the Hydro Abstraction Factor for the site (HAF_{site}) to allow conversion of electrical output to quantities abstracted. The HAF_{site} is the amount of water used in m^3 per kWh generated for any period.

Site Data	
Site name	
Address	
Licence serial No.	
Contact name	
Contact telephone	
Contact email	
Turbine manufacturer	
Turbine type	
Turbine serial no.	
Number of jets (where relevant)	

Performance Data		
Parameter	Value	How was the parameter determined?
Net operating head of the system at maximum power output ($H_n (P_{max})$) in metres		
Turbine/water wheel efficiency at maximum power output ($e_{turbine/water\ wheel} (P_{max})$)		
Transmission system efficiency at maximum power output ($e_{transmission} (P_{max})$)		
Generator efficiency at maximum power output ($e_{generator} (P_{max})$)		

Calculation of overall system efficiency of the rotating parts of the hydro system, at maximum power output ($e_{system} (P_{max})$)

$$e_{system} (P_{max}) = e_{turbine/water\ wheel} (P_{max}) \times e_{transmission} (P_{max}) \times e_{generator} (P_{max})$$

$$= \boxed{} \times \boxed{} \times \boxed{}$$

$$e_{system} (P_{max}) = \boxed{}$$

Calculation of HAF_{site}

HAF_{site} = Hydro Abstraction Factor for the site in question

$$= 366.972 / (H_n (P_{max}) \times e_{system} (P_{max}))$$

$$= 366.972 / (\boxed{} \times \boxed{})$$

$$= \boxed{} \quad (m^3/kWh)$$

Where:

$H_n (P_{max})$ = net head at max. power.

366.972 = a constant in order to bring the final HAF into the correct unit of $m^3/kWhr$ (it is arrived at by dividing the number of seconds in an hour (3600) by gravity (9.81 m/s^2))

The volume of water abstracted for any period (V_{period}) can then be calculated by simply multiplying the HAF_{site} by the number of kiloWatt hours generated thus:

$$V_{period} (m^3) = kWh_{period} (kWh) \times HAF_{site} (m^3/kWh)$$

See example:

(kWh is a measure of energy, whilst kW is a measure of power: at full efficiency, a 50 kW turbine will produce 50 kWh of energy in one hour, 100 kWh in two hours, 150 kWh in three hours etc.).

Performance Data		
Parameter	Value	How was the parameter determined?
Net operating head of the system at maximum power output ($H_n(P_{max})$) in metres	150	Site survey
Turbine/water wheel efficiency at maximum power output ($e_{turbine/water\ wheel}(P_{max})$)	0.9	From manufacturer
Transmission system efficiency at maximum power output ($e_{transmission}(P_{max})$)	0.85	From manufacturer
Generator efficiency at maximum power output ($e_{generator}(P_{max})$)	0.85	From manufacturer

Calculation of overall system efficiency of the rotating parts of the hydro system, at maximum power output ($e_{system}(P_{max})$)

$$e_{system}(P_{max}) = e_{turbine/water\ wheel}(P_{max}) \times e_{transmission}(P_{max}) \times e_{generator}(P_{max})$$

$$= \boxed{0.9} \times \boxed{0.85} \times \boxed{0.85}$$

$$e_{system}(P_{max}) = \boxed{0.65}$$

Calculation of HAF_{site}

HAF_{site} = Hydro Abstraction Factor for the site in question

$$= 366.972 / (H_n(P_{max}) \times e_{system}(P_{max}))$$

$$= 366.972 / (\boxed{150} \times \boxed{0.65})$$

$$= \boxed{3.764} \quad (\text{m}^3/\text{kWh})$$

The volume of water abstracted for any period (V_{period}) can then be calculated by simply multiplying the HAF_{site} by the number of kiloWatt hours generated thus:

$$V_{period} (\text{m}^3) = \text{kWh}_{period} (\text{kWh}) \times \text{HAF}_{site} (\text{m}^3/\text{kWh})$$

If, for example your total export of electricity for the period was 68400 kWh, then you would have abstracted a total volume of water of:

$$V_{period} (\text{m}^3) = 68400 \text{ kWh} \times 3.764 \text{ m}^3/\text{kWh} = 257457.6 \text{ m}^3$$

**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.