
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

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 WR Permitting Support, Quadrant 2, 99 Parkway Avenue, Sheffield, S9 9BS

Details of this licence are placed on a register, kept by the Environment Agency and open for inspection by the public. The public may also obtain further details about it by virtue of the Environmental 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 the Environment Agency 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 the Environment Agency 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.

The Environment Agency 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 Environment Agency's 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.

You must serve notice of appeal within 28 days of the date of receipt of this licence (although the Secretary of State and The National Assembly 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 the Environment Agency. 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.

Licence Serial No:

NW/069/0011/002

Please quote the serial number in all correspondence about this licence



FULL LICENCE TO ABSTRACT WATER

The Environment Agency ("the Agency") grants this licence to:-

H14 Energy Limited
38 Temple Avenue
London
N20 9EH

("the Licence Holder")

Company registration number: 09007964

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 

Simon Grantham
Team Leader

Environment Agency
Permitting and Support Centre
Water Resources Team
Quadrant 2
99 Parkway Avenue
Parkway Business Park
Sheffield
S9 4WF

Date of issue 30 June 2016

Date effective 1 July 2016

Date of expiry..... 31 March 2029

Date of original issue..... 26 January 2012

The 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 "the Agency" are to the Environment Agency or any successor body.

Environment Act 1995
Water Resources Act 1991 as amended by the Water Act 2003
Water Resources (Abstraction and Impounding) Regulations 2006

SCHEDULE OF CONDITIONS

1. SOURCE OF SUPPLY

- 1.1 Inland water known as the River Goyt at Stringer's Weir, near Vernon Park, Stockport, Greater Manchester.

2. POINT OF ABSTRACTION

- 2.1 At National Grid Reference SJ 90846 90622 marked 'A' on the map.

3. MEANS OF ABSTRACTION

- 3.1 Gravity flow to an open channel controlled by an automatic sluice with a level sensor.

4. PURPOSE OF ABSTRACTION

- 4.1 Hydro-electric power generation by means of a three-bladed Archimedean screw turbine of 3.6 metre diameter.

5. PERIOD OF ABSTRACTION

- 5.1 All year.

6. MAXIMUM QUANTITY OF WATER TO BE ABSTRACTED

- 6.1 509,760 cubic metres per day
 112,147,200 cubic metres per year

At an instantaneous rate not exceeding 5,900 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 The Licence Holder shall assess the quantity of water abstracted by reference to a combination of the rotational speed of the three-bladed Archimedean screw turbine, the intake water level and the kilowatt-hours generated as measured by a kilowatt-hours meter multiplied by the appropriate conversion factor. The conversion factor and any subsequent modifications to the conversion factor shall be approved in writing by the Agency.

- 7.2 The Licence Holder shall retain supporting documentation, including details of the methodology and calculations used to convert electricity generated to the quantities abstracted and make them available to the Agency as directed.

SCHEDULE OF CONDITIONS (continued)

8. RESIDUAL FLOW CONDITIONS

- 8.1 The abstraction of water shall only take place when the rate of flow in the River Goyt immediately downstream of the authorised point of abstraction, point 'A' as specified in Condition 2 above, is equal to or greater than 1,732 litres per second and the abstraction shall not cause the flow immediately downstream of the HEP Abstraction Point to fall below that rate.
- 8.2 No water shall be abstracted unless the minimum depth of water at Stringer's Weir at National Grid Reference SJ 90837 90635 is equal to, or greater than, 70 millimetre.

9. MEANS OF MEASUREMENT OF RESIDUAL FLOW

- 9.1 A level transducer and suitably marked staff gauge shall be used to measure the minimum depth of water over Stringer's Weir as specified in Condition 8.2.
- 9.2 The Licence Holder shall provide and install (to British Standard 3680/ISO 1100 or as otherwise approved in writing by the Agency) the level transducer, before any abstraction takes place.
- 9.3 The level transducer must be set up and working at all times when abstraction takes place.
- 9.4 The Licence Holder shall maintain the level transducer and suitably marked staff gauge in such a condition, and if necessary replace them, so that they measure levels and flow derived, accurately and efficiently.

10. RECORDS

- 10.1 Quantities of water calculated by the means specified in Condition 7.1 above shall be recorded by the Licence Holder at the same time each week during the whole of the period during which abstraction is authorised or as otherwise approved in writing by the Agency.
- 10.2 The Licence Holder shall take and record readings of the level transducer specified in Condition 9 at the same time each day during the whole of the period during which abstraction is authorised or as otherwise approved in writing by the Agency.
- 10.3 A copy of the records or summary data from them shall be sent to the Agency within 28 days after 31 March in each year or within 28 days of being so directed in writing by the Agency.
- 10.4 Each record shall be kept and be made available during all reasonable hours for inspection by the Agency for at least 6 years.

SCHEDULE OF CONDITIONS (continued)

11. FURTHER CONDITIONS

- 11.1 Although the licence may otherwise remain in force until 31 March 2029 this licence shall cease to be of any effect if the abstraction it authorises has not commenced by 31 January 2017.
- 11.2 No water can be abstracted under this licence unless an agreement between the Licence Holder and the Agency relating to the derogation of 'protected rights' is in force at all times, and the agreement must remain in force throughout the subsistence of the licence.
- 11.3 The Licence Holder shall notify the Agency in writing when abstraction of water under this licence for the purpose of hydroelectric power generation first starts.
- 11.4 Prior to hydro-electric power generation taking place, the Licence Holder shall provide and install a 140 millimetre coarse/trash screen at the entrance of the screw turbine as specified in drawing 3 attached to this licence.
- 11.5 Prior to any abstraction taking place for the production of power under this licence the Licence Holder shall install an Agency approved fish pass structure at a location approved by the Agency.
- 11.6 Unless otherwise directed in writing by the Agency, at all times that abstraction for hydro-electric power generation is taking place at point 'A' as authorised by this licence, the Licence Holder shall allow a flow to enter the fish pass channel at National Grid Reference SJ 90844 90620, shown marked as 'FP' on the map, of no less than 590 litres per second.
- 11.7 No water shall be abstracted through the turbine if the Licence Holder is unable to generate electricity.
- 11.8 Water shall be returned to the River Goyt at National Grid Reference SJ 90872 90660 marked 'B' on the map.
- 11.9 No water shall be abstracted for the purpose of hydro-electric power generation unless and until the fish protection modifications have been made to the hydrodynamic turbine, as detailed in drawings 1 and 2 attached to this licence.
- 11.10 The Licence Holder shall maintain, repair or replace the fish protection modifications so that they remain effective in preventing the physical damage to fish.
- 11.11 The Licence Holder shall confirm in writing to the Water Resources Permitting Support Centre at the address on the front page of this licence that the hydropower scheme has been developed in accordance with submitted specifications and plans, as detailed in drawing 09072802 revision 4, dated 29 March 2010, a copy of which is appended to this licence, or such minor amendments to the drawing that are accepted in writing by the Agency prior to the commencement of construction.
- 11.12 The minimum value, as referred to in Section 46(2A) Water Resources Act 1991, is 112,147,200 cubic metres per year and the authorised quantity in this licence can be reduced to that value.

ADDITIONAL INFORMATION

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

REASONS FOR CONDITIONS

The residual flow level in Condition 8 is set at a minimum value to ensure that the entire length of the weir has water over it during all times that abstraction takes place.

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

The licence includes a hands off flow/ level condition to protect the environment and the interests of existing upstream and downstream lawful users of water.

The licence includes a 'self-destruct' condition in order to secure the proper use of water resources and to avoid commitment of water resources to an abstraction right which cannot be exercised.

IMPORTANT NOTES

Water efficiency note

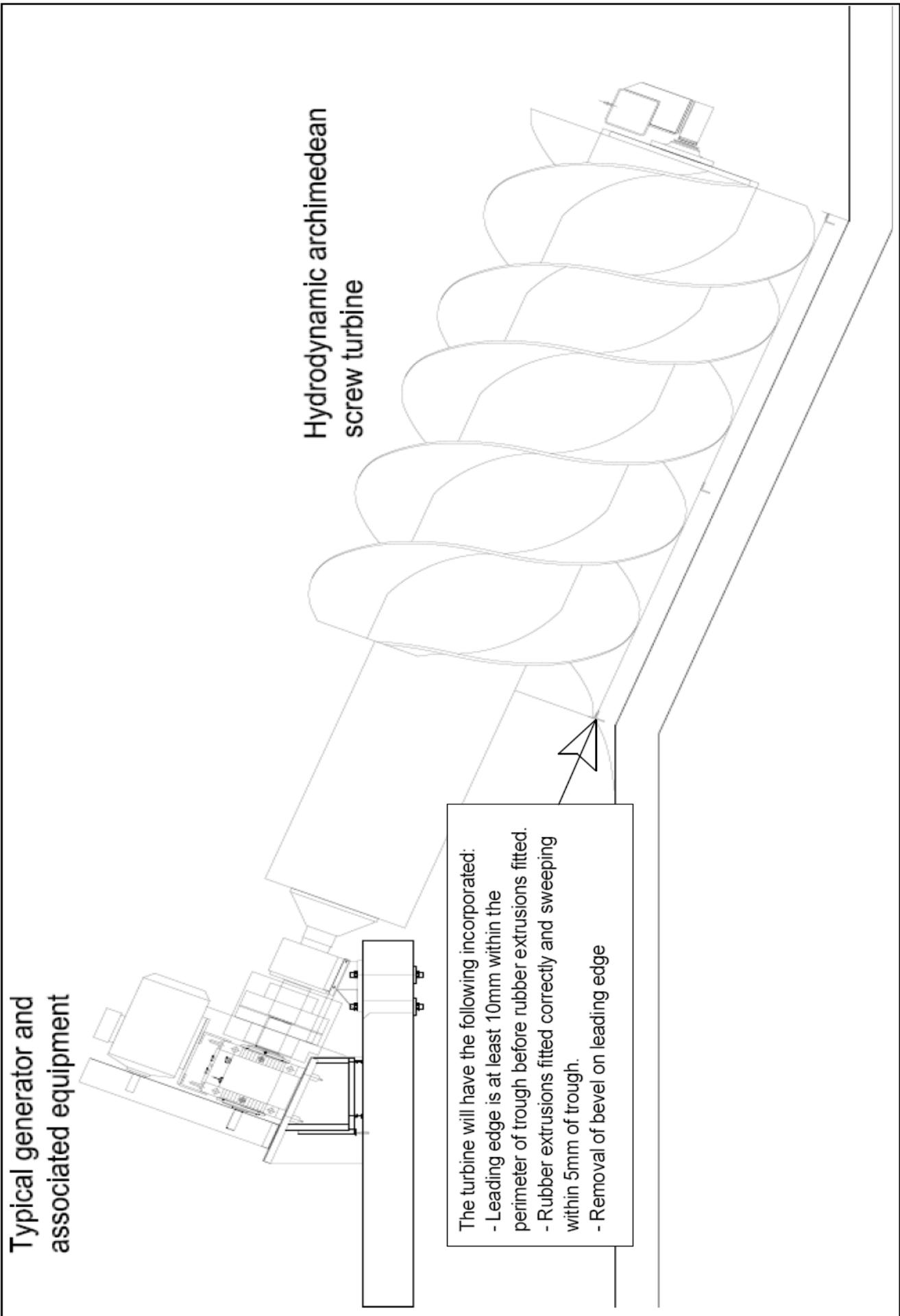
The Licence Holder should use water abstracted under the terms of this licence in an efficient manner. The Agency may refer to its guidance on water efficiency (or equivalent guidance) in determining whether water is being used efficiently and may offer advice on any measures considered necessary to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

Licence History

Licence serial number	Issue date	Expiry date	Summary of changes
NW/069/0011/002	26/01/2012	31/03/2029	Original licence issue.
NW/069/0011/002	31/01/2012	31/03/2029	Transfer of Licence Holder to Stringer Hydro Ltd.
NW/069/0011/002	30/01/2015	31/03/2029	Variation to extend the cessation clause by 2 years, amend trash screen dimensions and include Derogation Agreement condition. Application number: NPS/WR/018356
NW/069/0011/002	30/06/2016	31/03/2029	Transfer of Licence Holder to H14 Energy Limited. Application number: NPS/WR/022932

The licence should be read in conjunction with Licence number NW/069/0011/005 which authorises an adjacent abstraction for the purpose of maintaining a flow through a fish pass.

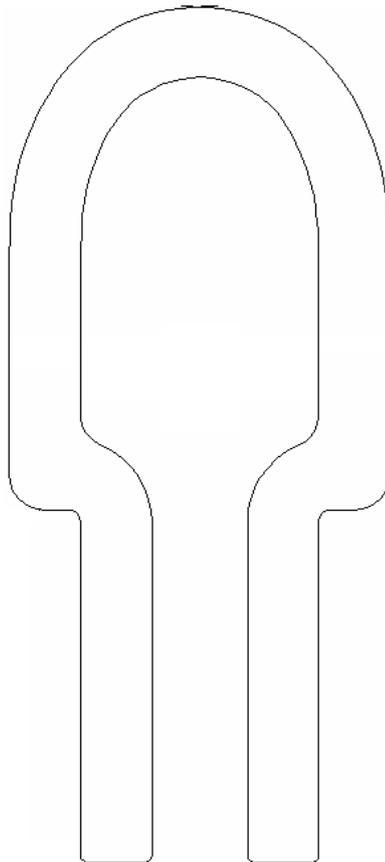
Drawing 1



Drawing 2

Required profile for a compressible bumper to fit the leading edge of the Archimedes Screw hydropower turbines.

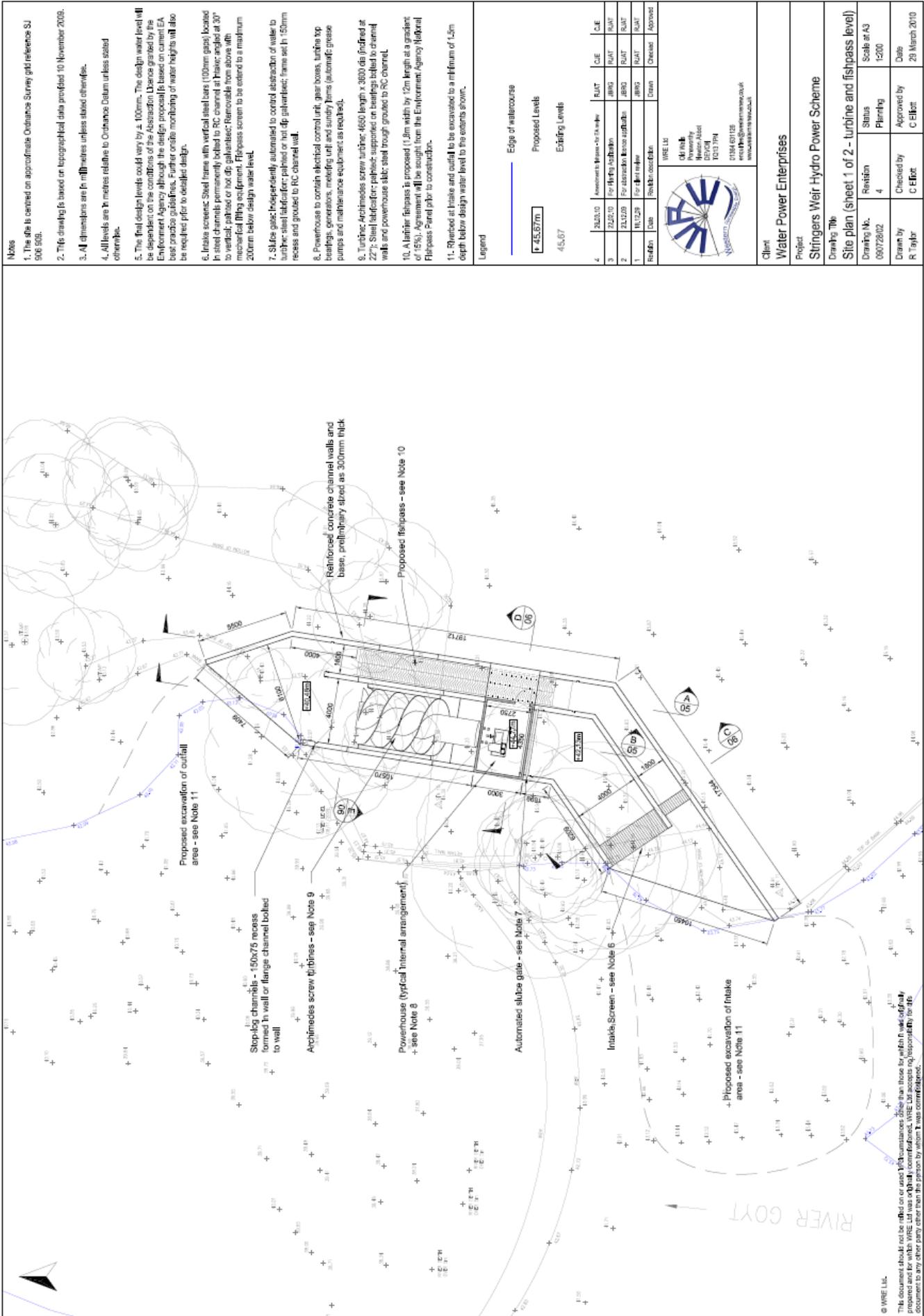
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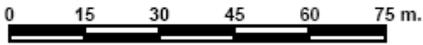
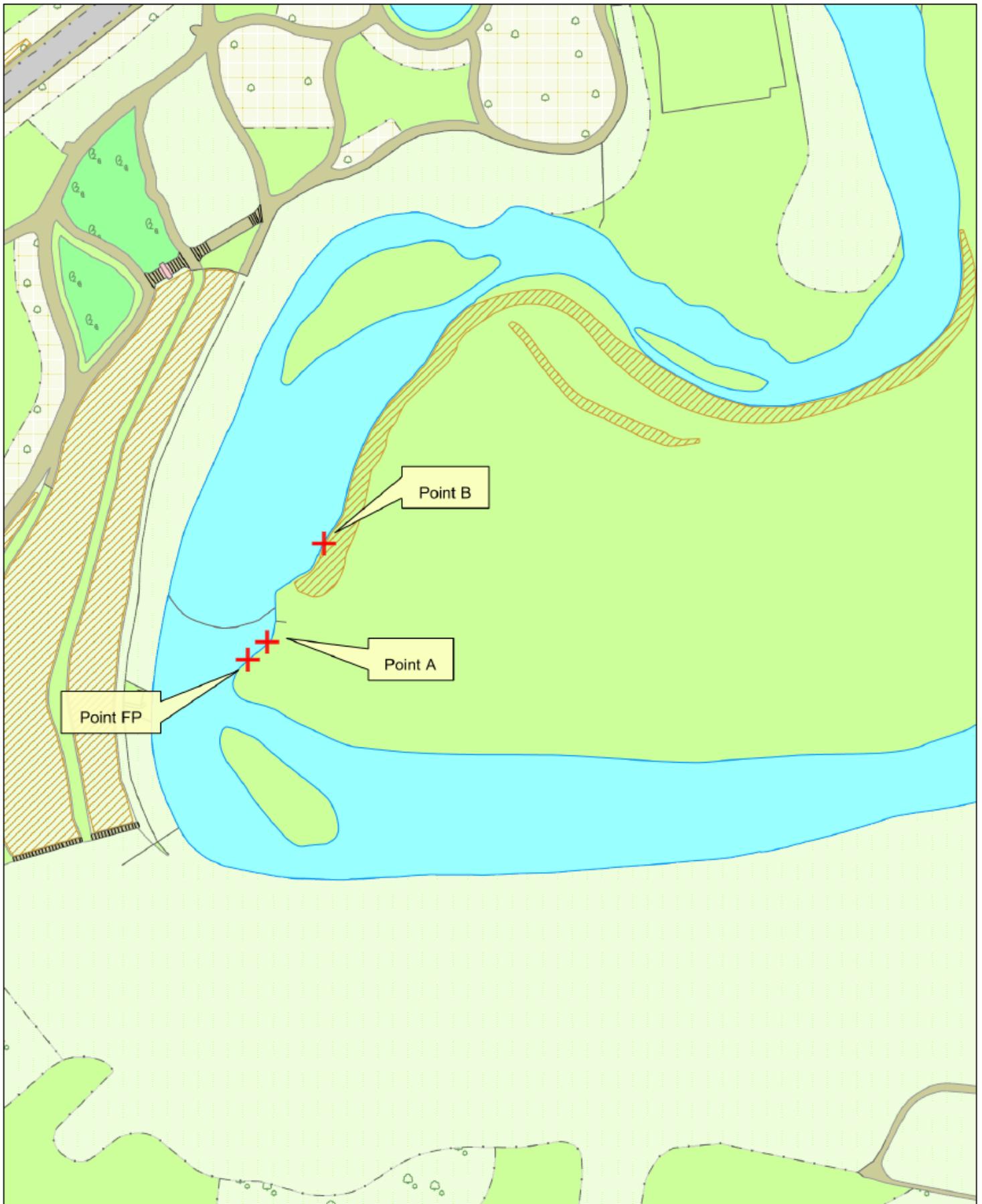


Specification of EPDM rubber extrusion

35mm of compression with a force of 2Kg per cm² applied. All fixing bolts must be sub flush to the clamp plates.

Drawing 09072802 (29 March 2010)





**MAP ACCOMPANYING LICENCE NUMBER
NW/069/0011/002**

Scale 1:1,500



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03708 506 506 (Mon-Fri 8-6)

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enquiries@environment-agency.gov.uk

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floodline 0845 988 1188



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