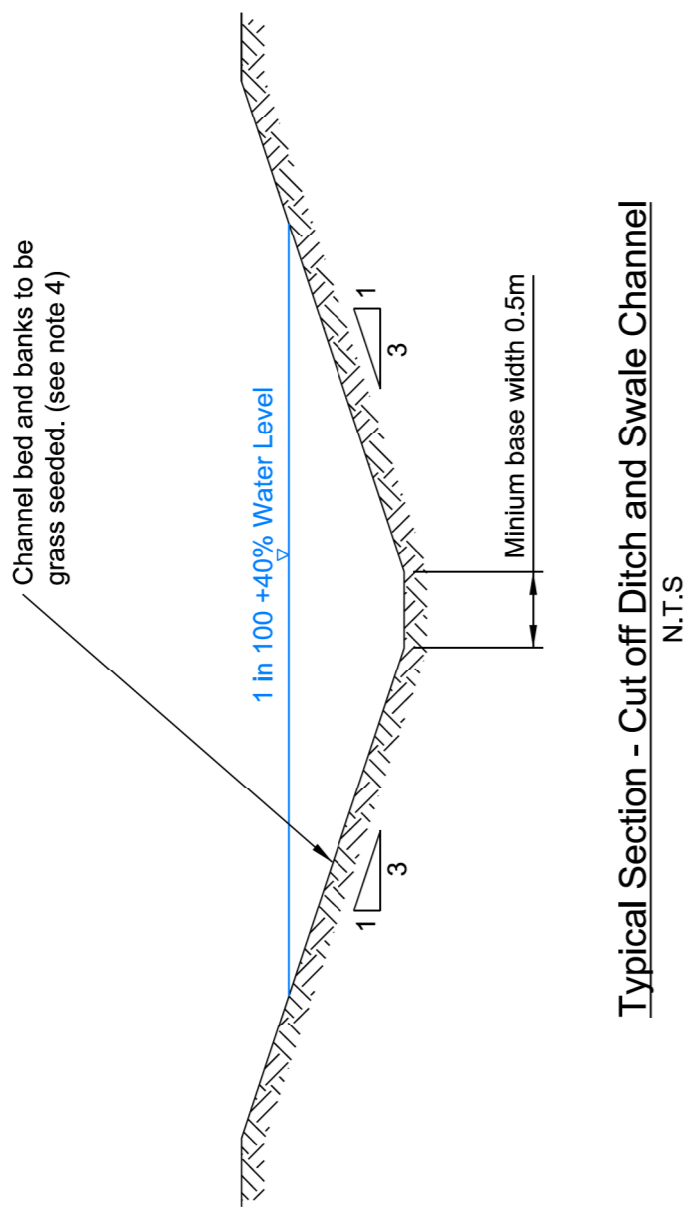
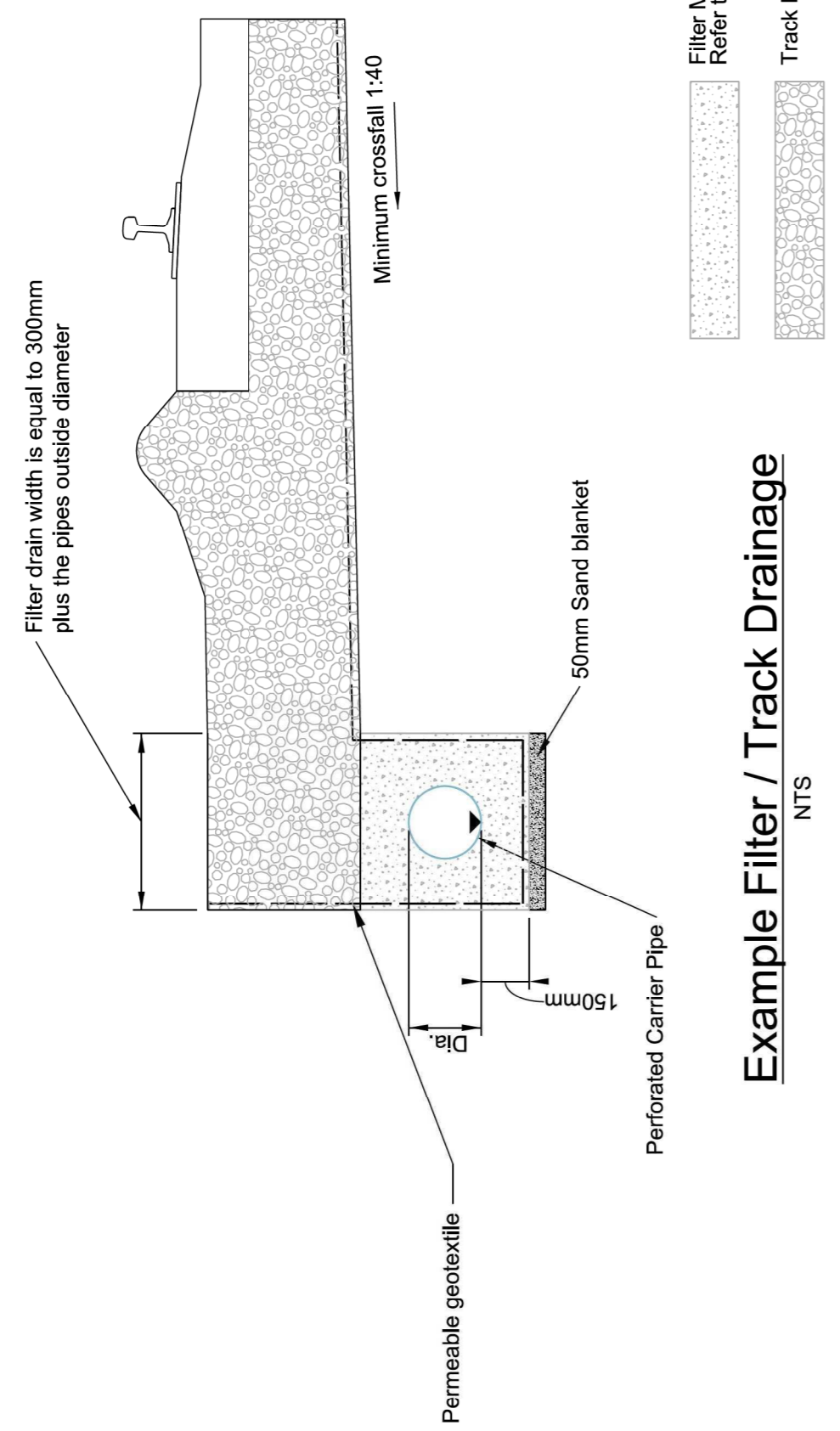


A1 1 2 3 4 5 6 7 8 9 10 11

N M L K J I H G F E D C B A



Typical Section - Cut off Ditch and Swale Channel  
N.T.S.



Example Filter / Track Drainage  
N.T.S.

Pipe Nominal Size (DN)	Aggregate to BS 12620
140 to 400	10, 14 or 20mm Nominal Single Size Or 14 to 5mm Graded Or 20 to 5mm Graded
> 400	10, 14 or 20mm Nominal Single Size Or 14 to 5mm Graded Or 20 to 5mm Graded Or 40 to 5mm Graded

OR IN ACCORDANCE WITH PIPE MANUFACTURERS BEDDING SPECIFICATION

Table 1 - Example Requirements For Pipe Bedding And Filter Details

- Notes**
- All dimensions are in metres unless noted otherwise. All elevations are in metres Above Ordnance Datum (AOD). Do not scale.
  - This drawing is for planning purposes only and is to be read in conjunction with the Drainage Strategy report.
  - For drainage plans, refer to CG2504 and CG2505.
  - Channel subject to detailed design, additional erosion control may be required for higher velocity flows.
  - Details shown for information only, subject to detailed design.

P01	17/07/20	DO	IA	JS
Issued for Planning				

Issue	Date	By	Chkd	Appd
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www.arup.com

Client  
**Welsh Government**

Job Title  
**Global Centre for Rail Excellence**

Drawing Title  
**Washery Site  
Typical Drainage Details**

Scale: as A1  
As Shown  
Discipline  
CIVILS

Drawing Status  
**For Information**

Job No	Drawing No	Issue
<b>264904</b>	<b>CG2506</b>	<b>P01</b>

## **Appendix G**

### **DCWW Pre planning Response**



Dŵr Cymru  
Welsh Water

Developer Services  
PO Box 3146  
Cardiff  
CF30 0EH

Tel: +44 (0)800 917 2652  
Fax: +44 (0)2920 740472  
E.mail: [developer.services@dwrwymru.com](mailto:developer.services@dwrwymru.com)

Gwasanaethau Datblygu  
Blwch Post 3146  
Caerdydd  
CF30 0EH

Ffôn: +44 (0)800 917 2652  
Ffacs: +44 (0)2920 740472  
E.bost: [developer.services@dwrwymru.com](mailto:developer.services@dwrwymru.com)

Mr David Owen  
Arup  
Cardiff  
CF10 4QP

**Date: 19/06/2020**  
**Our Ref: PPA0004933**

Dear Mr Owen

**Grid Ref: 284848 210504**  
**Site Address: Onllwyn, Neath Port Talbot**  
**Development: Global Centre for Rail Excellence**

I refer to your pre-planning enquiry received relating to the above site, seeking our views on the capacity of our network of assets and infrastructure to accommodate your proposed development. Having reviewed the details submitted I can provide the following comments which should be taken into account within any future planning application for the development.

## **APPRAISAL**

Firstly, we note that the proposal relates to the 'Global Centre for Rail Excellence' at Onllwyn, Neath Port Talbot and acknowledge that the site comprises of a potential windfall development with no allocated status in the Local Development Plan (LDP). Accordingly, whilst it does not appear an assessment has been previously undertaken of the public sewerage system, we offer the following comments as part of our appraisal of this development.

Please note, notwithstanding the following assessment, we would advise there is also a mandatory requirement to undertake pre-application consultation with all 'Specialist Consultees', including Dwr Cymru Welsh Water as the statutory water and sewerage undertaker, in accordance with Schedule 4 of Town & Country Planning (Development Management Procedure) (Wales) (Amendment) Order 2016. As a major development, you will be statutorily required to consult Welsh Water and a substantive response will be issued within 28 days from the date of the notice as per the requirements of Article 2E.

## **Public Sewerage Network**

The proposed development site is located in the immediate vicinity of a predominantly combined public sewerage system which drains to Crynant Wastewater Treatment Works (WWTW). The site also lies in proximity to a foul water public sewer, located approximately 0.6km to the north, that drains to Ystradgynlais WWTW.



Welsh Water is owned by Glas Cymru – a 'not-for-profit' company.  
Mae Dŵr Cymru yn eiddo i Glas Cymru – cwmni 'nid-er-elw'.

We welcome correspondence in  
Welsh and English

Dŵr Cymru Cyf, a limited company registered in  
Wales no 2366777. Registered office: Pentwyn Road,  
Nelson, Treharris, Mid Glamorgan CF46 6LY

Rydym yn croesawu gohebiaeth yn y  
Gymraeg neu yn Saesneg

Dŵr Cymru Cyf, cwmni cyfyngedig wedi'i gofrestru yng  
Nghymru rhif 2366777. Swyddfa gofrestredig: Heol Pentwyn  
Nelson, Treharris, Morgannwg Ganol CF46 6LY.

This site is crossed by public sewers with their approximate position being marked on the attached Statutory Public Sewer Record. In accordance with the Water Industry Act 1991, Dwr Cymru Welsh Water requires access to its apparatus at all times in order to carry out maintenance and repairs. No part of any building will be permitted within the protection zone of the public sewers measured 3 metres either side of the centreline. Our strong recommendation is that your site layout takes into account the location of the assets crossing the site and should be referred to in any master-planning exercises or site layout plans submitted as part of any subsequent planning application. Further information regarding Asset Protection is provided in the attached Advice & Guidance note.

You are also advised that some public sewers and lateral drains may not be recorded on our maps of public sewers because they were originally privately owned and were transferred into public ownership by nature of the Water Industry (Schemes for Adoption of Private Sewers) Regulations 2011. The presence of such assets may affect the proposal. In order to assist you may contact Dwr Cymru Welsh Water on 0800 085 3968 to establish the location and status of the apparatus in and around your site. Please be mindful that under the Water Industry Act 1991 Dwr Cymru Welsh Water has rights of access to its apparatus at all times.

### **Surface Water Drainage**

As of 7th January 2019, this proposed development is subject to Schedule 3 of the Flood and Water Management Act 2010. The development therefore requires approval of Sustainable Drainage Systems (SuDS) features, in accordance with the 'Statutory standards for sustainable drainage systems – designing, constructing, operating and maintaining surface water drainage systems'. As highlighted in these standards, the developer is required to explore and fully exhaust all surface water drainage options in accordance with a hierarchy which states that discharge to a combined sewer shall only be made as a last resort. Disposal should be made through the hierarchical approach, preferring infiltration and, where infiltration is not possible, disposal to a surface water drainage body in liaison with the Land Drainage Authority and/or Natural Resources Wales.

It is therefore recommended that the developer consult with Neath Port Talbot County Borough Council, as the determining SuDS Approval Body (SAB), in relation to their proposals for SuDS features. Please note, DCWW is a statutory consultee to the SAB application process and will provide comments to any SuDS proposals by response to SAB consultation. Please refer to further detailed advice relating to surface water management included in our attached Advice & Guidance note. In addition, please note that no highway or land drainage run-off will be permitted to discharge directly or indirectly into the public sewerage system.

### **Foul Water Drainage – Sewerage Network**

We have considered the impact of foul flows generated by the proposed development, as confirmed on the accompanying 'Proposed Site Location Plan' (Drawing No. SK001), and concluded that flows can be accommodated within the public sewerage system. We advise that the flows can connect to the existing combined sewer crossing the development site.



Should a planning application be submitted for this development we will seek to control these points of communication via appropriate planning conditions and therefore recommend that any drainage layout or strategy submitted as part of your application takes this into account. However, should you wish for an alternative connection point to be considered please provide further information to us in the form of a drainage strategy, preferably in advance of a planning application being submitted.

You may need to apply to Dwr Cymru Welsh Water for any connection to the public sewer under Section 106 of the Water Industry Act 1991. However, if the connection to the public sewer network is either via a lateral drain (i.e. a drain which extends beyond the connecting property boundary) or via a new sewer (i.e. serves more than one property), it is now a mandatory requirement to first enter into a Section 104 Adoption Agreement (Water Industry Act 1991). The design of the sewers and lateral drains must also conform to the Welsh Ministers Standards for Foul Sewers and Lateral Drains, and conform with the publication "Sewers for Adoption"- 7th Edition. Further information can be obtained via the Developer Services pages of [www.dwrcymru.com](http://www.dwrcymru.com).

Notwithstanding the above, if the development will give rise to a new discharge (or alter an existing discharge) of trade effluent, directly or indirectly to the public sewerage system, then a Discharge Consent under Section 118 of the Water Industry Act 1991 is required from Dwr Cymru / Welsh Water. Please note that the issuing of a Discharge Consent is independent of the planning process and a consent may be refused although planning permission is granted.

## **SEWAGE TREATMENT**

No problems are envisaged with the Wastewater Treatment Works for the treatment of domestic discharges from this site

## **WATER SUPPLY**

A water supply can be made available to service this proposed development and facilitated via an existing connection at NGR-284571, 210338. Alternatively, the developer may be required to contribute, under Sections 40 – 41 of the Water Industry Act 1991, towards the provision of new off-site and/or on-site watermains and associated infrastructure. The cost of providing new on-site watermains can be calculated upon the receipt of detailed site layout plans which should be sent to the above address.

The proposed development is crossed by a trunk watermain and an abandoned distribution watermain the approximate positions being shown on the attached plan. Dwr Cymru Welsh Water as Statutory Undertaker has statutory powers to access our apparatus at all times. It may be possible for this watermain to be diverted under Section 185 of the Water Industry Act 1991, the cost of which will be re-charged to the developer. The developer must consult Dwr Cymru Welsh Water before any development commences on site.

I trust the above information is helpful and will assist you in forming water and drainage strategies that should accompany any future planning application.



Please note that our response is based on the information provided in your enquiry and should the information change we reserve the right to make a new representation. Should you have any queries or wish to discuss any aspect of our response please do not hesitate to contact our dedicated team of planning officers, either on 0800 917 2652 or via email at [developer.services@dwrwymru.com](mailto:developer.services@dwrwymru.com)

Please quote our reference number in all communications and correspondence.

Yours faithfully,



**Owain George**  
**Planning Liaison Manager**  
**Developer Services**

**ENC. Sewer plan**  
**Water plan**  
**Pre Planning notes**

***Please Note that demands upon the water and sewerage systems change continually; consequently the information given above should be regarded as reliable for a maximum period of 12 months from the date of this letter.***



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Mae Dŵr Cymru yn eiddo i Glas Cymru – cwmni 'nid-er-elw'.

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Rydym yn croesawu gohebiaeth yn y  
Gymraeg neu yn Saesneg

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Nghymru rhif 2366777. Swyddfa gofrestredig: Heol Pentwyn  
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