

**7.0 PROPOSED WATERMAIN LAYOUT**

**7.1 Watermain Layout**

A sluice valve T-junction will be fitted to the existing watermain, which is located within the existing Willow Bank View estate and will accommodate the proposed development as shown on drawing NBHD-WM-P01.

A 100mm diameter PE- 80 watermain is proposed to supply water to all the fire hydrants in the development. The proposed pipe network loops through the site. Domestic water will be taken off the 100mm mains for the development and supplied to each of the individual units.

The construction of the water supply pipe network shall be in accordance with Irish Water publication “Code of Practice for Water Infrastructure”.



**Fig 7.1: Watermains detail (refer to drawing NBHD-WM-P01)**

**APPENDICES**

**A1.1 Irish Water Correspondence**

Please see attached.

[REDACTED]  
 Carraig Mor House  
 10 High Street  
 Douglas Road  
 Cork  
 T12KC66

9 February 2022

Uisce Éireann  
 Bosca OP 448  
 Oifig Sheachadta na  
 Cathrach Theas  
 Cathair Chorcaí

Irish Water  
 PO Box 448,  
 South City  
 Delivery Office,  
 Cork City.

[www.water.ie](http://www.water.ie)

**Re: CDS22000058 pre-connection enquiry - Subject to contract | Contract denied**

**Connection for Housing Development of 29 unit(s) at Nash's Boreen, Cork, Co. Cork**

Dear Sir/Madam,

Irish Water has reviewed your pre-connection enquiry in relation to a Water & Wastewater connection at Nash's Boreen, Cork, Co. Cork (the **Premises**). Based upon the details you have provided with your pre-connection enquiry and on our desk top analysis of the capacity currently available in the Irish Water network(s) as assessed by Irish Water, we wish to advise you that your proposed connection to the Irish Water network(s) can be facilitated at this moment in time.

| SERVICE                                    | <b>OUTCOME OF PRE-CONNECTION ENQUIRY</b><br><b><u>THIS IS NOT A CONNECTION OFFER. YOU MUST APPLY FOR A CONNECTION(S) TO THE IRISH WATER NETWORK(S) IF YOU WISH TO PROCEED.</u></b>  |
|--|---|
| Water Connection                           | Feasible without infrastructure upgrade by Irish Water  |
| Wastewater Connection                      | Feasible without infrastructure upgrade by Irish Water  |
| <b>SITE SPECIFIC COMMENTS</b>              |   |
|  |   |
| Water Connection and Wastewater Connection | Our records show a possible connection point to IW Network in the adjacent estate. The proposed water and wastewater connections for this development connect to the Irish Water network via infrastructure that has not been taken in charge by Irish Water ( <b>Third Party Infrastructure</b> ). Please be advised that at connection application stage and prior to the commencement of any Self-Lay Works, you have to: <ul style="list-style-type: none"> <li>• identify and procure transfer to Irish Water of the arterial water and wastewater Infrastructure within the Third Party Infrastructure</li> <li>• demonstrate that the arterial infrastructure are in compliance with requirements of Irish Water Code of Practice and Standard Details and in</li> </ul> |

adequate condition and capacity to cater for additional load from the Development.

The design and construction of the Water & Wastewater pipes and related infrastructure to be installed in this development shall comply with the Irish Water Connections and Developer Services Standard Details and Codes of Practice that are available on the Irish Water website. Irish Water reserves the right to supplement these requirements with Codes of Practice and these will be issued with the connection agreement.

**The map included below outlines the current Irish Water infrastructure adjacent to your site:**



Reproduced from the Ordnance Survey of Ireland by Permission of the Government, License No. 3-3-34

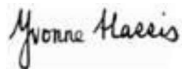
Whilst every care has been taken in its compilation Irish Water gives this information as to the position of its underground network as a general guide only on the strict understanding that it is based on the best available information provided by each Local Authority in Ireland to Irish Water. Irish Water can assume no responsibility for and give no guarantees, undertakings or warranties concerning the accuracy, completeness or up to date nature of the information provided and does not accept any liability whatsoever arising from any errors or omissions. This information should not be relied upon in the event of excavations or any other works being carried out in the vicinity of the Irish Water underground network. The onus is on the parties carrying out excavations or any other works to ensure the exact location of the Irish Water underground network is identified prior to excavations or any other works being carried out. Service connection pipes are not generally shown but their presence should be anticipated.

**General Notes:**

- 1) The initial assessment referred to above is carried out taking into account water demand and wastewater discharge volumes and infrastructure details on the date of the assessment. **The availability of capacity may change at any date after this assessment.**
- 2) This feedback does not constitute a contract in whole or in part to provide a connection to any Irish Water infrastructure. All feasibility assessments are subject to the constraints of the Irish Water Capital Investment Plan.
- 3) The feedback provided is subject to a Connection Agreement/contract being signed at a later date.
- 4) A Connection Agreement will be required to commencing the connection works associated with the enquiry this can be applied for at <https://www.water.ie/connections/get-connected/>
- 5) A Connection Agreement cannot be issued until all statutory approvals are successfully in place.
- 6) Irish Water Connection Policy/ Charges can be found at <https://www.water.ie/connections/information/connection-charges/>
- 7) Please note the Confirmation of Feasibility does not extend to your fire flow requirements.
- 8) Irish Water is not responsible for the management or disposal of storm water or ground waters. You are advised to contact the relevant Local Authority to discuss the management or disposal of proposed storm water or ground water discharges
- 9) To access Irish Water Maps email [datarequests@water.ie](mailto:datarequests@water.ie)
- 10) All works to the Irish Water infrastructure, including works in the Public Space, shall have to be carried out by Irish Water.

If you have any further questions, please contact Brian Lavelle from the design team on or email [brian.lavelle@water.ie](mailto:brian.lavelle@water.ie) For further information, visit [www.water.ie/connections](http://www.water.ie/connections).

Yours sincerely,



**Yvonne Harris**

**Head of Customer Operations**



## Foul Network Design query - Nash's Boreen

2 messages

27 January 2022 at 15:16

To: cdsdesignqa@water.ie

Good afternoon,

MHL & Consulting engineers have been engaged by [REDACTED] to provide engineering drawings to submit as part of a planning application for a housing development at Nash's Boreen, Cork City.

As the site in question is steeply sloped this results in duplexe Units and 'Upper level access' dwellings being proposed. Attached is a drawing showing 2no. proposals for a foul sewer which would serve two terraces of units - MHL require Irish Water's guidance on this matter.

### Proposal 'A'

Install a foul sewer in the back gardens of the proposed dwellings. This would result in shallow sewers and connections making future access easily accessible. A Wayleave would also be provided along the length of the run.

### Proposal 'B'

Install the sewer along the main access road (The main access road is +3.0m above the lower level of the Units. The main entrance level for the Units is at this level). This would result in deep manholes, sewers and connections (Up to 6.0m).

It would be appreciated if an Irish Water representative could advise us on the preferred proposal or outline alternative options. Feel free to give me a call on [REDACTED] if you wish to discuss further or have any queries. Thanks.

--

Regards,

[REDACTED]  
MHL & Associates Ltd.,  
Consulting Engineers,

**In light of the ongoing COVID-19 crisis, MHL & Associates Ltd. are taking precautionary measures in accordance with the Department of Health Guidelines. Our office will remain open and project work will continue, but until further notice we are unable to facilitate face to face meetings.**

 **Nash's Boreen - Irish Water query.pdf**  
1503K

CDS Design QA <cdsdesignqa@water.ie>

1 February 2022 at 09:45

Hi [REDACTED]

As discussed yesterday, due to the nature of the site and upper level access to the duplex, standard practise as proposal 'B' would result in 3-4m deep inspection chambers which would not be practical to maintain & give rise to health risks for the occupants when maintain. Given this proposal 'A' in this circumstance looks like the best solution on this site and its constraints . Please note that back yard sewer should be avoided were possible.

[REDACTED]  
[REDACTED] en  
Kind Regards,

**Kyle Jackson**

Southern Region – Connections and Developer Services – Design Engineer

**Uisce Éireann**

Teach na hAbhann Móire, Páirc Ghnó Mhala, Mala, Contae Chorcaí, Éire

**Irish Water**

Blackwater House, Mallow Business Park, Mallow, County Cork, Ireland

T + 01 22 54630

[REDACTED]  
[REDACTED]  
[REDACTED]  
[www.water.ie](http://www.water.ie)

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[REDACTED]  
**Sent:** Thursday 27 January 2022 15:16

**To:** CDS Design QA <[cgsdesignqa@water.ie](mailto:cdsdesignqa@water.ie)>

[REDACTED]  
**Subject:** Foul Network Design query - Nash's Boreen

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[Quoted text hidden]

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Thank you for your attention.

Tá an fhaisnéis á seachadadh dírithe ar an duine nó ar an eintiteas chuig a bhfuil sí seolta amháin agus féadfar ábhar faoi rún, faoi phribhléid nó ábhar atá íogair ó thaobh tráchtála de a bheith mar chuid de. Tá aon athsheachadadh nó scaipeadh den fhaisnéis, aon athbhreithniú ar nó aon úsáid eile a bhaint as, nó aon ghníomh a dhéantar ag brath ar