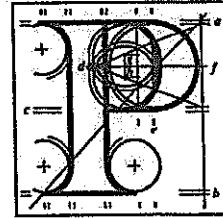


Our Case Number: ABP-317767-23



**An
Bord
Pleanála**

Geological Survey Ireland
Block 1
Booterstown Hall
Booterstown
Blackrock
Co. Dublin
A94 N2R6

Date: 05 September 2023

Re: Proposed construction of 39 residential units, widening of Pausdeen Bridge and all associated site works.
Newtown/Ardclough Road, Newtown, Celbridge, Co. Kildare.

Dear Sir / Madam,

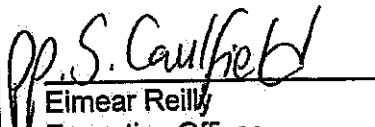
An Bord Pleanála has received your recent submission in relation to the above mentioned proposed development and will take it into consideration in its determination of the matter.

Please note that the proposed development shall not be carried out unless the Board has approved it with or without modifications.

If you have any queries in relation to the matter please contact the undersigned officer of the Board at laps@pleanala.ie

Please quote the above mentioned An Bord Pleanála reference number in any correspondence or telephone contact with the Board.

Yours faithfully,


Eimear Reilly
Executive Officer
Direct Line: 01-8737184

AA02

Tel	Tel	(01) 858 8100
Glaó Áitiúil	LoCall	1800 275 175
Facs	Fax	(01) 872 2684
Láithreán Gréasáin	Website	www.pleanala.ie
Ríomhphost	Email	bord@pleanala.ie

64 Sráid Maoilbhríde	64 Marlborough Street
Baile Átha Cliath 1	Dublin 1
D01 V902	D01 V902

Eimear Reilly

From: LAPS
Sent: Monday 4 September 2023 13:27
To: GSIPlanning@GSI.ie
Subject: RE: EIS 23/226 - Proposed Housing at Newtown/Ardclough Road, Newtown, Celbridge, Co Kildare

Good afternoon

The Board acknowledges receipt of your email. A formal acknowledgement of your submission will issue via post.

Kind regards

Eimear

From: Appeals2 <appeals@pleanala.ie>
Sent: Thursday, August 31, 2023 3:26 PM
To: LAPS <laps@pleanala.ie>
Subject: FW: EIS 23/226 - Proposed Housing at Newtown/Ardclough Road, Newtown, Celbridge, Co Kildare

From: Bord <bord@pleanala.ie>
Sent: Thursday, August 31, 2023 1:15 PM
To: Appeals2 <appeals@pleanala.ie>
Subject: FW: EIS 23/226 - Proposed Housing at Newtown/Ardclough Road, Newtown, Celbridge, Co Kildare

From: GSI Planning <GSIPlanning@GSI.ie>
Sent: Thursday, August 31, 2023 12:22 PM
To: Bord <bord@pleanala.ie>
Cc: GSI Planning <GSIPlanning@GSI.ie>; Planning Advisory <PlanningAdvisory@decc.gov.ie>
Subject: RE: EIS 23/226 - Proposed Housing at Newtown/Ardclough Road, Newtown, Celbridge, Co Kildare

Dear Sir/Madam,

With reference to the email from Kildare CoCo received on the 21 August 2023, concerning the Proposed construction of 39 residential units, widening of Pausdeen Bridge and all associated site works at Newtown/Ardclough Road, Newtown, Celbridge, Co. Kildare, please find attached response and dataset sheet from Geological Survey Ireland.

Yours sincerely,

Trish Smullen

Geological Survey Ireland

From: John Butler <John.Butler@gsi.ie>
Sent: Monday, August 21, 2023 5:33 PM
To: Trish Smullen <Trish.Smullen@gsi.ie>
Cc: GSI Planning <GSIPlanning@GSI.ie>
Subject: EIS 23/226 - Proposed Housing at Newtown/Ardclough Road, Newtown, Celbridge, Co Kildare

EIS 23/226

Proposed Housing Development at Newtown/Ardclough Road, Newtown, Celbridge, Co Kildare. Request for observations by Kildare Co Council by 28 September 2023. Letter with details is enclosed.

Regards,

John

Disclaimer:

This electronic message contains information (and may contain files), which may be privileged or confidential. The information is intended to be for the sole use of the individual(s) or entity named above. If you are not the intended recipient be aware that any disclosure, copying, distribution or use of the contents of this information and or files is prohibited. If you have received this electronic message in error, please notify the sender immediately. This is also to certify that this mail has been scanned for viruses.

Tá eolas sa teachtaireacht leictreonach seo (agus b'fhéidir sa chomhaid ceangailte leis) a d'fhéadfadh bheith príobháideach nó faoi rún. Is le h-aghaidh an duine/na ndaoine nó le h-aghaidh an aonáin atá ainmnithe thuas agus le h-aghaidh an duine/na ndaoine sin amháin atá an t-eolas. Murab ionann tusa agus an té a bhfuil an teachtaireacht ceaptha dó bíodh a fhios agat nach gceadaítear nochtadh, cóipeáil, scaipeadh nó úsáid an eolais agus/nó an chomhaid seo. Más trí earráid a fuair tú an teachtaireacht leictreonach seo cuir, más é do thoil é, an té ar sheol an teachtaireacht ar an eolas láithreach. Deimhnítear leis seo freisin nár aims odh víreas sa phost seo tar éis a scanadh.



An Bord Pleanála,
64 Marlborough Street,
Dublin 1, D01 V902

31 August 2023

Re: Proposed construction of 39 residential units, widening of Pausdeen Bridge and all associated site works at Newtown/Ardcrough Road, Newtown, Celbridge, Co. Kildare

Your Ref: n/a
Our Ref: 23/226

Dear Sir/Madam,

Geological Survey Ireland is the national earth science agency and is a division of the Department of the Environment, Climate and Communications. We provide independent geological information and gather various data for that purpose. Please see our [website](#) for data availability. We recommend using these various data sets, when conducting the EIAR, SEA, planning and scoping processes. Use of our data or maps should be attributed correctly to 'Geological Survey Ireland'.

The publicly available data referenced/presented here, should in no way be construed as Geological Survey Ireland support for or objection to the proposed development or plan. The data is made freely available to all and can be used as independent scientific data in assessments, plans or policies. It should be noted that in many cases this data is a baseline or starting point for further site specific assessments.

With reference to your email received on the 21 August 2023, concerning the Proposed construction of 39 residential units, widening of Pausdeen Bridge and all associated site works at Newtown/Ardcrough Road, Newtown, Celbridge, Co. Kildare, Geological Survey Ireland would encourage use of and reference to our datasets. Please find attached a list of our publicly available datasets that may be useful to the environmental assessment and planning process. We recommend that you review this list and refer to any datasets you consider relevant to your assessment. The remainder of this letter and following sections provide more detail on some of these datasets.

Geoheritage

A national inventory of geoheritage sites known as County Geological Sites (CGSs) is managed by the Geoheritage Programme of Geological Survey Ireland. CGSs, as adopted under the National Heritage Plan, include sites that are of national importance which have been selected as the very best examples for NHA (Natural Heritage Areas) designation. NHA designation will be completed in partnership with the National Parks and Wildlife Service (NPWS). CGSs are now routinely included in County Development Plans and in the GIS of planning departments, to ensure the recognition and appropriate protection of geological heritage within the planning system. CGSs can be viewed online under the Geological Heritage tab on the online [Map Viewer](#).

The audit for Co. Kildare was carried out in 2005. The full report details can be found [here](#). **Our records show that there are no CGSs in the vicinity of the proposed development.**

Groundwater

Geological Survey Ireland's [Groundwater and Geothermal Unit](#), provides advice, data and maps relating to groundwater distribution, quality and use, which is especially relevant for safe and secure drinking water supplies and healthy ecosystems.

Proposed developments need to consider any potential impact on specific groundwater abstractions and on groundwater resources in general. We recommend using the groundwater maps on our [Map viewer](#) which should include: wells; drinking water source protection areas; the national map suite - aquifer, groundwater vulnerability, groundwater recharge and subsoil permeability maps. For areas underlain by limestone, please refer to the karst specific data layers (karst features, tracer test database; turlough water levels (gwlevel.ie)). Background information is also provided in the Groundwater Body Descriptions. Please read all disclaimers carefully when using Geological Survey Ireland data.



The Groundwater Data Viewer indicates an aquifers classed as 'Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones' and a 'Locally important gravel aquifer' underlie and the proposed development.

The Groundwater Vulnerability map indicates the area covered is classed as 'Moderate' to 'High' Vulnerability.

[GWClimate](#) is a groundwater monitoring and modelling project that aims to investigate the impact of climate change on groundwater in Ireland. This is a follow on from a previous project (GWFlood) and the data may be useful in relation to Flood Risk Assessment (FRA) and management plans. Maps and data are available on the [Map viewer](#).

Geological Survey Ireland has completed Groundwater Protection Schemes (GWPSs) in partnership with Local Authorities, and there is now national coverage of GWPS mapping. A Groundwater Protection Scheme provides guidelines for the planning and licensing authorities in carrying out their functions, and a framework to assist in decision-making on the location, nature and control of developments and activities in order to protect groundwater. **The Groundwater Protection Response overview and link to the main reports is here:** <https://www.gsi.ie/en-ie/programmes-and-projects/groundwater/projects/protecting-drinking-water/what-is-drinking-water-protection/county-groundwater-protection-schemes/Pages/default.aspx>

Geohazards

Geohazards can cause widespread damage to landscapes, wildlife, human property and human life. In Ireland, landslides, flooding and coastal erosion are the most prevalent of these hazards. We recommend that geohazards be taken into consideration, especially when developing areas where these risks are prevalent, and we encourage the use of our data when doing so.

Geological Survey Ireland has information available on landslides in Ireland via the National Landslide Database and Landslide Susceptibility Map both of which are available for viewing on our dedicated [Map Viewer](#). Associated guidance documentation relating to the National Landslide Susceptibility Map is also available.

Geological Survey Ireland also engaged in a national project on Groundwater Flooding. The data from this project may be useful in relation to Flood Risk Assessment (FRA) and management plans, and is described in more detail under 'Groundwater' above.

Natural Resources (Minerals/Aggregates)

Geological Survey Ireland provides data, maps, interpretations and advice on matters related to minerals, their use and their development in our [Minerals section](#) of the website. The Active Quarries, Mineral Localities and the Aggregate Potential maps are available on our [Map Viewer](#).

We would recommend use of the **Aggregate Potential Mapping viewer** to identify areas of **High to Very High source aggregate potential within the area**. In keeping with a sustainable approach we would recommend use of our data and mapping viewers to identify and ensure that natural resources used in the proposed development are sustainably sourced from properly recognised and licensed facilities, and that consideration of future resource sterilization is considered.

Geochemistry of soils, surface waters and sediments

Geological Survey Ireland provides baseline geochemistry data for Ireland as part of the Tellus programme. Baseline geochemistry data can be used to assess the chemical status of soil and water at a regional scale and to support the assessment of existing or potential impacts of human activity on environmental chemical quality. Tellus is a national-scale mapping programme which provides multi-element data for shallow soil, stream sediment and stream water in Ireland. At present, mapping consists of the border, western and midland regions. Data is available at <https://www.gsi.ie/en-ie/data-and-maps/Pages/Geochemistry.aspx>. This page also hosts Geochemical Mapping of Agricultural and Grazing Land Soil of Europe (GEMAS) and litho-geochemistry (rock geochemistry) from southeast Ireland datasets. Geological Survey Ireland and partners are undertaking applied geochemistry projects to provide data for agriculture ([Terra Soil](#)), waste soil characterisation ([Geochemically Appropriate Levels for Soil Recovery Facilities](#)) and mineral exploration ([Mineral Prospectivity Mapping](#)).



Other Comments

Should development go ahead, all other factors considered, Geological Survey Ireland would much appreciate a copy of reports detailing any site investigations carried out. The data would be added to Geological Survey Ireland's national database of site investigation boreholes, implemented to provide a better service to the civil engineering sector. Data can be sent to the Geological Mapping Unit, at <mailto:GeologicalMappingInfo@gsi.ie>, 01-678 2795.

I hope that these comments are of assistance, and if we can be of any further help, please do not hesitate to the Geological Survey Ireland Planning Team at GSIPlanning@gsi.ie.

Yours sincerely,

Geoheritage and Planning Programme

Enc: Table - Geological Survey Ireland's Publicly Available Datasets Relevant to Planning, EIA and SEA processes.

