



## PRE-APPLICATION CONSULTATION REQUEST FORM FOR CONSENT UNDER THE FORESHORE ACT 1933 (AS AMENDED)

Please complete the form electronically. Type details in the boxes provided, space will expand as you type.

**(This form is NOT an application form)**

### Declaration and Consent:

By submitting this pre-application form you agree that the details provided are to be processed and retained by the Department of Housing, Planning and Local Government and shared with all appropriate Prescribed Bodies (as part of internal preliminary review process) in furtherance of consideration for a foreshore Consent under the Foreshore Act 1933 (and Foreshore Amendment Act 2011).

### Applicants Contact Details

Name:	Irish Water
Address	P.O. Box 50, Gasworks Road, Cork
Eircode	T12 RX96
Phone	+353 21 4239405
Email	frieda.ryan@ervia.ie
Project partners:	None
Date of request:	16 <sup>th</sup> January 2020

### Site location details

Location:	Baldoyle Bay,																					
County:	Dublin																					
Geographic co-ordinates <sup>1</sup> :	<div>Irish National Grid (ING):<table><tr><th>Label</th><th>Easting</th><th>Northing</th></tr><tr><td>A</td><td>323943</td><td>241742</td></tr><tr><td>B</td><td>323949</td><td>241719</td></tr><tr><td>C</td><td>324487</td><td>242185</td></tr><tr><td>D</td><td>324494</td><td>242165</td></tr></table></div> <div>Degrees, Minutes, Seconds (DMS):<table><tr><th>Label</th><th>DMS Latitude</th><th>DMS Longitude</th></tr><tr><td>A</td><td>53°24'41.32"N</td><td>6°8'12.56"W</td></tr></table></div>	Label	Easting	Northing	A	323943	241742	B	323949	241719	C	324487	242185	D	324494	242165	Label	DMS Latitude	DMS Longitude	A	53°24'41.32"N	6°8'12.56"W
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A	53°24'41.32"N	6°8'12.56"W																				

	B	53°24'40.57"N	6°8'12.31"W
	C	53°24'55.17"N	6°7'42.52"W
	D	53°24'54.53"N	6°7'42.14"W
<b>Size of area: (Hectares/Km2/M2)</b>	14,588m2		
<b>Ordnance Survey (OS) Map No</b>	3065-D & 3066-C		
<b>Is the foreshore in question in private Ownership?</b>	No		
<b>Please include map highlighting in red the proposed area of foreshore that will be subject to the application – See attached drawing 10028814 – RPS-ZZ-XX-DR-J-DR2114 and 10028814 – RPS-ZZ-XX-DR-J-DR2115</b>			

### Proposal Details

**Is the proposed activity primarily fisheries/aquaculture related?**

No

**Description of proposed works/activity:**

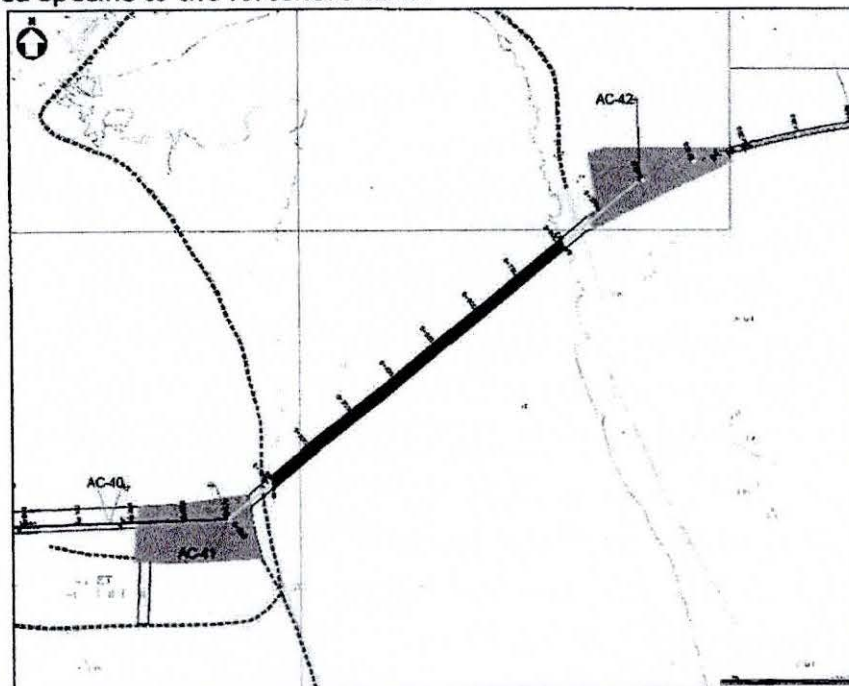
Marine geophysical surveys across Baldoyle Bay.

The purpose of the marine geophysical investigation is to map the type and thickness of the sediment layers, determine sediment stiffness, map the depth to bedrock, map variation in bedrock type and rock quality and determine engineering parameters survey.

The following geophysical techniques have been specified.

- Multichannel analysis of surface waves (MASW)
- Electrical Resistivity Tomography (ERT)
- Seismic refraction surveys

The location of the proposed marine geophysical profile is shown in Figure 1. The area in red identifies the area specific to the foreshore area.



**Figure 1: Proposed Marine Geophysical Profile.**



It is proposed to carry out an Electrical Resistivity Tomography (ERT) survey. The ERT, seismic refraction and MASW will be carried out at low tide. A temporary walkway using plastic mats will be laid out and removed afterwards. The mats will be placed out as far as reasonably practicable. There may be a small gap in the data at the centre of the estuary. The combination on the ERT, seismic refraction and 1D-MASW should provide the required information.

Method	Property Measured	Depth Range (m)	Information Obtained	Deliverables
Electrical Resistivity Tomography	Apparent resistivity (Ohm-m)	0 – 15m	<ul style="list-style-type: none"> <li>•Bedrock profile</li> <li>•Bedrock variations</li> <li>•Faults/ fissure zones</li> </ul>	<ul style="list-style-type: none"> <li>•Factual cross section</li> <li>•Geological model</li> </ul>
Seismic Refraction	Seismic velocity (m/s)	0 – 15m	<ul style="list-style-type: none"> <li>•Overburden stiffness</li> <li>•Bedrock profile</li> <li>•Weathering grade/ degree of fracturing &amp; quality</li> </ul>	<ul style="list-style-type: none"> <li>•Factual cross section</li> <li>•Geological model</li> </ul>
MASW	Vs	c. 0 – 5 (dependent on ground conditions)	<ul style="list-style-type: none"> <li>•Soil stiffness</li> </ul>	<ul style="list-style-type: none"> <li>•Cross Section of stiffness</li> <li>•Zones of soft ground</li> </ul>

#### Electrical Resistivity Tomography

ERT profiles will be carried out using 3m electrode spacing and 0-15m bgl depth of investigation. The resistivity profiles will provide information on the depth to and type of bedrock and the type and thickness of the overburden. It may also provide information on the presence of any made ground or areas of risk.

#### Seismic Refraction

Seismic refraction spreads will also be carried out. The seismic refraction spreads will confirm the depth to bedrock and provide information on the quality and excavatability of the bedrock. The seismic refraction spread will consist of 24 geophones and 2m (46m long line) geophone spacing to give a depth of penetration of 0 – 15m bgl.

#### 2D-MASW

A 2D MASW profile will be carried out along profiles. The MASW profile will be carried out using 0.5m geophone spacing and nominal 4m between shots. The results of the MASW will show variations in stiffness values with depth.

#### Timelines, including proposed start and duration:

Proposed Programme of works is expected to commence March 16<sup>th</sup> for a duration of 3 working weeks.

#### What other marine users or stakeholders may be affected by the proposal?

No other marine users are expected to be affected as works will be ongoing during low tide within the estuary.

#### Status of planning permissions/other required consents (include ref. no)

**Consent Authority:** An Bord Pleanála  
**Reference Number:** PL06F.301908

Planning permission was granted on the 12<sup>th</sup> November 2019 in respect of the Greater Dublin Drainage Project. The An Bord Pleanála decision is attached. The geophysical surveys are required to prepare tender documents for the main construction contract.

No

#### Have Appropriate Assessment requirements under the Habitats Regulations been addressed?

An Environmental Impact Assessment Report (EIAR) has been prepared for the Proposed



Project. Along with the EIAR, a Natura Impact Statement (NIS) has been carried out in line with the requirements of the European Union (EU) Habitats Directive to assess potential negative impacts on European sites in the vicinity of the Proposed Project.

Mitigation measures, based on best environmental practices, will be put in place to reduce Construction Phase impacts. With the effective implementation of these measures, no significant remaining negative impacts are anticipated.

**Does the development require an Environmental Impact Statement (E.I.S)? If yes, do you require the Department to undertake a scoping exercise for the foreshore aspects?**

An Environmental Impact Assessment Report (EIAR) has been prepared for the Proposed Project. This was submitted with the SID planning application.  
We do not require the Department to undertake a scoping exercise for the foreshore aspect.

**Are there any related existing Foreshore consents/applications in respect of this proposal?**

Application No. FS 006843 is underway in respect of the Marine Outfall associated with the Greater Dublin Drainage project.

Irish Water previously held a Foreshore Licence, file reference AKC/2015/02242, for undertaking marine site investigation works extending across the study area of the proposed marine outfall, which lies south of Portmarnock and north of Ireland's Eye, County Dublin.

**Additional Information:**

**If possible, please include any drawings/designs that provide an overview of the proposal**

Attached Drawings 10028814 – RPS-ZZ-XX-DR-J-DR2114 and 10028814 – RPS-ZZ-XX-DR-J-DR2115 show the route of the proposed surveys

**Notes**

1. In degrees, minutes seconds WGS 84 (offshore) or Irish National Grid Co-Ordinates (for near shore and/or contiguous to the seashore/landfall).
2. If so the appropriate Foreshore consent authority may be the Department of Agriculture, Food and the Marine.
3. Applicants will be advised at Pre-application stage of any outstanding rents payable and due to this Department in respect of any prior foreshore lease/licence. In the case of outstanding rent being due in respect of prior or existing leases/licences a new application will be unable to proceed until all outstanding amounts have been paid.

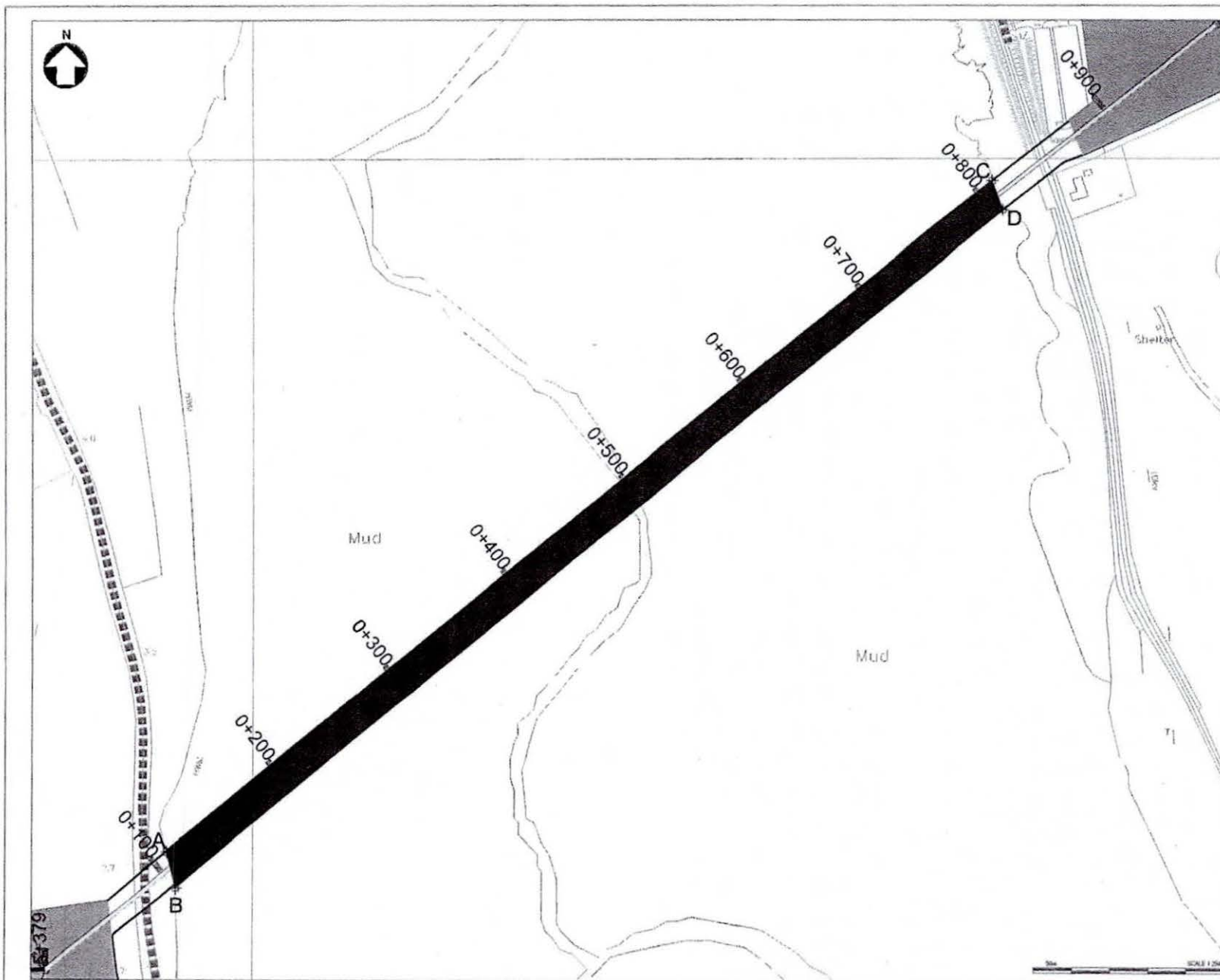
**Please email completed form and related documentation to**  
[foreshore@housing.gov.ie](mailto:foreshore@housing.gov.ie):

Marine Environment and Foreshore Section  
Department of Housing, Planning and Local Government  
Newtown Road  
Wexford

**Y35 AP90** Telephone: +353 053 9117500 LoCall No.: 1890 20 20 21 Fax No.:  
053 9117603







- Notes
1. Ordnance Survey Ireland/Government of Ireland, Ordnance Survey Ireland Licence No. 0100000000.
  2. This drawing is to be read in conjunction with all other drawings and specifications.
  3. All dimensions are in metres.
  4. All dimensions are in metres, relative to Ordnance Datum at Mean Low Water.
  5. Do not scale off this drawing. Use figure dimensions only. All dimensions to be checked on site.

- Key to symbols
- FORESHORE LICENCE AREA
  - PROPOSED PIPELINE (Along & Gravelly Strand)
  - ACCESS ROUTE
  - ACCESS ROUTE - CLEARANCE REQUIRED
  - CONSTRUCTION COMPOUND
  - BOREHOLE
  - TRIAL PIT
  - SILT TRENCH
  - MARINE (OVERWATER) GEOPHYSICAL SURVEYING
  - GEOPHYSICAL SURVEYING

Reference drawings

Rev	Date	Drawn	Description	CHK'd	App'd
P02	01/10/2019	D.E.	FOR TENDER	J.P.	DC
P01	10/06/2019	D.E.	FOR TENDER	J.P.	DC

From Model: N/A

FOR TENDER

**M M**  
MOTT  
MACDONALD

**RPS**  
RPS  
RPS

**UISCE**  
WATER

**FOR TENDER**

**FOR TENDER**

**GREATER DUBLIN DRAINAGE  
PROJECT - SECTION 3.3  
FORESHORE LICENCE APPLICATION  
DRAWING 2**

Design	T. Coel	TD	Eng check	J. Friel	J.P.
Drawn	D. Egan	DE	Coordination	D. Egan	DC
Eng check	J. Friel	J.P.	Approved	D. Cooney	DC
RPS Project Number	10028814	SCALE M A1	1:2500	Security	STD
Subsidiary Description	FOR TENDER	Sub. Code	D2	Revision	P02
Drawing Number	10028814-RPS-ZZ-XX-DR-J-DR2115				



10 ✓  
**Pat O'Neill**

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**From:** Pat O'Neill  
**Sent:** 21 January 2020 10:58  
**To:** 'Frieda Ryan'  
**Subject:** Irish Water - Greater Dublin Drainage Project - Site Investigations at Baldoyle Bay - File ref. FS 007093

Frieda,

I wish to acknowledge receipt of the pre-application documentation attached to your e-mail of yesterday afternoon.

As stated in my voice mail of this morning, due to the nature of the proposed SI works, I am of the view that this application will have to undergo the full foreshore consenting process. On this basis, the proposed start date of 16/03/2020 would not be achievable.

I have referred copies of the application to our WMA and the Chair of the MLVC and will promptly revert to you on receipt of their comments. I will also seek their views regarding the need for Foreshore Licence.

To progress matters, please forward a method statement and relevant environmental report, e.g. AA Screening, NIS.

Regards  
Pat

**From:** Frieda Ryan [mailto:Frieda.Ryan@ervia.ie]  
**Sent:** 20 January 2020 14:38  
**To:** Pat O'Neill <Pat.O'Neill@housing.gov.ie>  
**Subject:** Greater Dublin Drainage Project - Section 3.3 Licence Application

Hi Pat,

I refer to our discussion prior to the Christmas break regarding a Section 3.3 application which we were proposing to submit in relation to the Greater Dublin Drainage Project.

Please find attached a pre-application form and drawings in relation to Marine geophysical surveys across Baldoyle Bay planned for March of 2020. As you will note from the form the proposed works are non-intrusive in nature apart from the laying of plastic mats at low tide to facilitate access.

I would be obliged if you could please confirm that the application is in order and advise of next steps, including fees.

Kind regards,

Frieda

**Frieda Ryan**  
**Wayleaves Manager – Major Projects**

**ervia**

Cork: P.O. Box 51, Gasworks Road, Cork, T12 RX96  
Dublin: Colvill House, 24-26 Talbot Street, Dublin 1

11  
**Pat O'Neill**

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**From:** Pat O'Neill  
**Sent:** 21 January 2020 11:08  
**To:** 'terry.mcmahon@marine.ie'; PJ Shaw  
**Subject:** Irish Water - Greater Dublin Drainage Project - Site Investigations at Baldoyle Bay - File ref. FS 007093  
**Attachments:** 20200120 Site Investigations\_pre\_application\_form\_non\_ore\_1 (003).doc; 10028814-RPS-ZZ-XX-DR-J-DR2114 to 2115 Site Investigation Locations.pdf

Terry/P.J.,

Please find attached pre-application documentation submitted by IW yesterday afternoon.

In light of the nature of the proposed SI works (laying of mats and sound generating activities), I am of the view that this application will have to undergo the full foreshore consenting process. If foreshore approval is required, the proposed start date of 16/03/2020 would not be achievable. I have informed IW of this.

Please advise if you concur with my view that foreshore approval is required. If so, please confirm if it is in order to issue the formal application form.

To progress matters, I have requested IW to forward a method statement and the relevant environmental report, e.g. AA Screening, NIS.

Regards  
Pat



**Pat O'Neill**

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**Subject:** Irish Water - Greater Dublin Drainage Project - Site Investigations at Baldoyle Bay -  
File ref. FS 007093

**From:** PJ Shaw  
**Sent:** 21 January 2020 12:15  
**To:** Pat O'Neill <Pat.O'Neill@housing.gov.ie>  
**Cc:** terry.mcmahon@marine.ie  
**Subject:** RE: Irish Water - Greater Dublin Drainage Project - Site Investigations at Baldoyle Bay - File ref. FS 007093

Hi Pat

I totally agree with you here .From our point of view this is a specific SI Project on foreshore and so requires Foreshore Licence .I also agree that a specific MS , Environmental Appraisal and AA Screening for the specific SI project are required – I would expect small brief documents in this regard i.e. tailored just to the SI specific project)-

So I would consider it in order to go to the formal application stage .

Regards

P.J

21/1/2020