



Reddy Architecture + Urbanism  
Dartry Mills, Dartry Road, Dublin,  
D06 Y0E3, Ireland.

T: +353 1 498 7000  
F: +353 1 498 7001  
E: dublin@reddyarchitecture.com

ARCHITECTURE  
INTERIOR DESIGN  
PLANNING  
PROJECT MANAGEMENT  
URBANISM

Maritime Usage Licencing Team,  
Maritime Area Regulatory Authority  
2<sup>nd</sup> Floor, Menapia House,  
Drinagh Business Park,  
Drinagh,  
Wexford, Y35RF29.

9<sup>th</sup> June 2026

**Re: Request for Additional Information: Section 117(3) of the Maritime Area  
Planning Act 2021 – Maritime Usage Licence Application Reference :  
MUL250023**

**For the Attention of Leeanne Doyle:**

Dear Leeanne,

Further to the request received in writing (via email) from MARA dated 19<sup>th</sup> May in  
respect of the above Maritime Usage Licence Application we respond as follows:

**Request No 1**

*There are inconsistencies between the proposed MUL map (your ref PL-26-001)  
and the map provided on page 6 of the SISSA report. The numbers assigned to the  
individual locations on the MUL application map (PL-26-001) do not correspond to  
the labels assigned to the locations on the map provided on pg 6 of the SISSA  
report. Please confirm the label/number assigned to the locations.*

**Response No 1**

Please see attached the following updated documentation whereby the MUL areas  
numbered 1 – 5 on *PL-26-001 RevA\_MUL250023* and those corresponding areas in  
the accompanying reports have been aligned and any inconsistencies removed;

PL-26-001RevA\_MUL250023

D866-OCSC-ZZ-ZZ-RP-YE-800-S2-P03

D866-OCSC-ZZ-ZZ-RP-YE-801-S2-P02

D866-OCSC-ZZ-ZZ-RP-YE-802-S2-P02



ISO 9001:2015 Certified

● Offices in:  
Dublin, Cork, London, Belfast, Galway  
Limerick, Lisbon.

**Anthony Reddy Associates Architects Ltd.**  
Registered in Ireland, Reg. No. 146781.  
Registered office: Dartry Mills,  
Dartry Road, Dartry, Dublin, D06 Y0E3,  
Ireland.

**Executive Group Directors:**  
Anthony Reddy, Rob Keane,  
Rory Murphy, Gareth Maguire

**Directors:**  
Anthony Reddy, Rob Keane, Rory Murphy,  
Gareth Maguire, David McDowell, Lisa  
Wynne, Lisa Smyth, David Fitzpatrick, Aly Alvy

**Associate Directors:**  
Anthony King, Barry Hennessy, Eoghan  
O'Brien, Garwin Farren, Mark Duffy,  
Michael Connolly, Oonagh Farren, Pat  
Kirwan, Paris Murphy, Ross Quinn, Roy  
Harvey, Thomas Maguire, Viktoria Roy

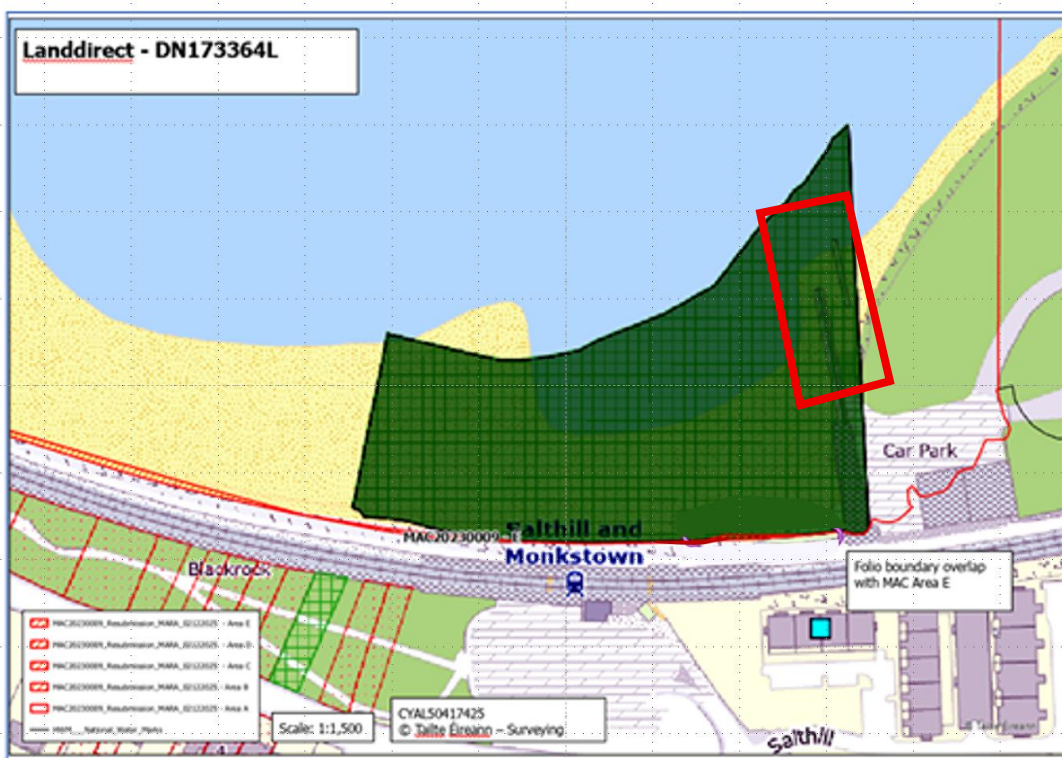
**Associates:**  
Alison Ahern, Alan Timmons Barry Foote,  
Brendan Gilroy, Diarmuid Phelan, Felix  
Rodriguez, Ivor O'Brien Jack Norton,  
Marcus McGuire, Mo Zainal, Sean Boyle,  
Stephen Burke, Victor Brando

**Note:** *PL-26-001 RevA MUL250023* reflects the April 2026 update to the Chartered High Water Mark as defined by the Chief Boundary Surveyor, in accordance with the Boundary Survey Acts Ireland, approved by the Chief Boundary Surveyor and signed off in Privy Council Orders.

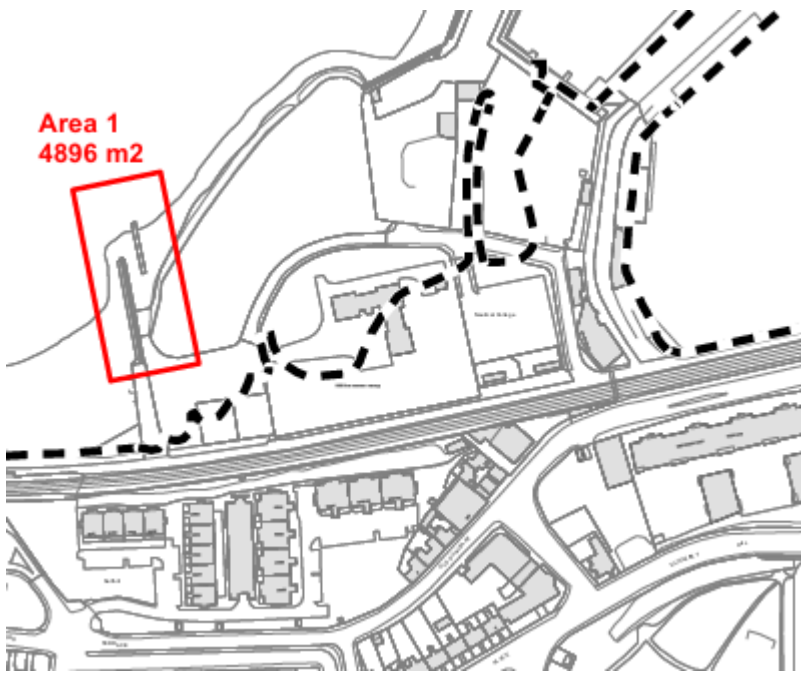
## **Request No 2**

*In addition to the area detailed as being in private ownership via the application submission MARA note an additional area of private ownership which partially overlaps with the proposed MUL application area (area 1 as per map PL-26-001). Please confirm this area is also in the ownership of DLCC, as this detail is missing from the application submission.*

## **Response No 2**



**Figure 1:** Lease (Folio DN173364L) represented in dark green hatch. MUL Area 1 represented in red outline.



**Figure 2: Extract from PL-26-001RevA\_MUL250023, with MUL Area 1 represented in red outline.**

We refer to the additional area of private ownership which partially overlaps the proposed MUL application area (Area 1 as per map PL-26-001 and the revised PL26-001RevA\_MUL250023) as indicated in Figure 1 and Figure 2 above.

We confirm that this area is in the ownership of Dún Laoghaire Rathdown County Council and attach a copy of Folio 173364L in support of this clarification.

### **Request No 3**

*Provide information for each of the following:*

- *The sample effort (no of samples, area) for each type of site investigation,*
- *B whether the planned investigation is intertidal, subtidal, terrestrial*
- *C indicative type of proposed survey equipment to be used for each proposed site investigation, the deployment method and inductive type of vessels to be used*
- *D core diameter and depths for intrusive investigations*
- *E access points for intertidal investigations*

- *F* indicative durations for each site investigation and the overall duration (in the application form a time period of 8 weeks is mentioned for the licence duration while in the SISSA report pg. 27 the overall timeframe is listed as <12 weeks).

### **Response No 3A**

Sampling effort shall be as follows;

| <b>Recommended Geotechnical Sampling and Testing Schedule</b> |                          |                                                          |                                                  |                                  |
|---------------------------------------------------------------|--------------------------|----------------------------------------------------------|--------------------------------------------------|----------------------------------|
| <b>Investigation Location</b>                                 | <b>Stratum</b>           | <b>Sampling Requirement</b>                              | <b>Laboratory Testing</b>                        | <b>Minimum Testing Frequency</b> |
| Land Borehole                                                 | Made Ground (if present) | Disturbed samples                                        | Classification testing                           | 1 sample per distinct layer      |
| Land Borehole                                                 | Silt/Clay                | Undisturbed Shelby tube or piston samples where feasible | Moisture content, bulk density, Atterberg limits | 1 sample per distinct layer      |
| Land Borehole                                                 | Silt/Clay                | Undisturbed samples                                      | Oedometer consolidation                          | minimum 1 per borehole           |
| Land Borehole                                                 | Silt/Clay                | Undisturbed samples                                      | UU or CIU triaxial strength                      | minimum 1 per borehole           |
| Land Borehole                                                 | Silt/Clay                | Disturbed samples                                        | Particle size distribution                       | 1 test per major stratum         |
| Land Borehole                                                 | Silt/Clay                | Disturbed samples                                        | Organic content / LOI                            | 1 test per major stratum         |
| Land Borehole                                                 | Rock Core                | Rotary core recovery                                     | UCS, point load index, RQD logging               | 1 per rotary core                |
| Land Borehole                                                 | Rock Core                | Rotary core recovery                                     | Discontinuity logging                            | Entire core length               |

| <b>Marine Boreholes (Intertidal and Subtidal)</b> |                  |                             |                                             |                                  |
|---------------------------------------------------|------------------|-----------------------------|---------------------------------------------|----------------------------------|
| <b>Investigation Location</b>                     | <b>Stratum</b>   | <b>Sampling Requirement</b> | <b>Laboratory Testing</b>                   | <b>Minimum Testing Frequency</b> |
| Marine Vibrocore                                  | Seabed Silt/Clay | Vibrocore or piston sample  | Moisture content, density, Atterberg limits | Every 1.5–2.0 m                  |
| Marine Vibrocore                                  | Seabed Silt/Clay | Undisturbed samples         | UU or CIU triaxial strength                 | Minimum 1 tests per vibrocore    |

|                  |                  |                      |                            |                               |
|------------------|------------------|----------------------|----------------------------|-------------------------------|
| Marine Vibrocore | Seabed Silt/Clay | Undisturbed samples  | Oedometer consolidation    | Minimum 1 tests per vibrocore |
| Marine Vibrocore | Seabed Silt/Clay | Disturbed samples    | Particle size distribution | 1 test per principal stratum  |
| Marine Vibrocore | Seabed Silt/Clay | Disturbed samples    | Organic content / LOI      | 1 test per principal stratum  |
| Marine Vibrocore | Rock Core        | Rotary core recovery | UCS and point load testing | 2 per rotary core             |
| Marine Borehole  | Rock Core        | Rotary core recovery | RQD and fracture logging   | Entire core length            |

#### In Situ Testing

| Location         | Test                                 | Purpose                          | Minimum Frequency                            |
|------------------|--------------------------------------|----------------------------------|----------------------------------------------|
| Land Boreholes   | Standard Penetration Tests (SPT)     | Density/strength profiling       | Every 1.5 m in soils and at change of strata |
| Marine Boreholes | Dynamic Cone Penetration Test (DCPT) | Strength profile and variability | One DCPT at each marine borehole location    |

#### Rock Characterisation for Pile Design

**For driven steel piles terminating in or on rock, the following should be obtained at each borehole reaching rock:**

| Parameter                      | Minimum Requirement                    |
|--------------------------------|----------------------------------------|
| Rock Quality Designation (RQD) | Full core run logging                  |
| Total Core Recovery (TCR)      | Full core run logging                  |
| Weathering Grade               | Entire rock profile                    |
| Point Load Index               | Minimum 1 test per core run            |
| UCS                            | Minimum 3 tests per distinct rock unit |
| Fracture Frequency             | Entire rock profile                    |
| Rock strength classification   | Entire rock profile                    |

#### Environmental Sampling (Minimal Regime)

| Sample Type                   | Testing                                       | Minimum Frequency                      |
|-------------------------------|-----------------------------------------------|----------------------------------------|
| Marine Sediment               | Metals suite (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn) | 1 composite sample per sediment unit   |
| Marine Sediment               | TPH and PAHs                                  | 1 composite sample per sediment unit   |
| Marine Sediment               | TOC                                           | 1 composite sample per sediment unit   |
| Land Made Ground (if present) | Basic contamination screen                    | 1 sample per distinct made-ground unit |

### **Response No 3B**

| Site Investigation Label            | Sub-Tidal                                     | Tidal  | Terrestrial    |
|-------------------------------------|-----------------------------------------------|--------|----------------|
| BoreholeSonic Drilling//Rotary Hole | 03,04,05,06,07,08,09<br>10,11,12,13,14,15,16  | 01,02, | 17,18,19,21,20 |
| Cone Penetrometer                   | 03,04,05,06,07,08,09,<br>10,11,12,13,14,15,16 | 01,02  |                |
| Vibrocore Sampling                  | 01,02,03,04,05,06                             |        |                |

### **Response No 3C**

We note that the site investigation procurement will be a public tender (etender) and the precise rig/equipment arrangements will be subject to the arrangements available to the winning tender submission. It is anticipated that the indicative vessel and rig types will be as follows;

Sonic Drilling/Cable Percussive/Rotary Core off a compact site investigation jack-up barge ( 12m x 15m with 28m jack legs) equipped with a drilling spread including a multipurpose dual headed roto-sonic rig – for example sonic drilling rig Eijkelpamp Fraste CRS XL140 Duo.



***Figure 3: Image of Jack Up Barge***



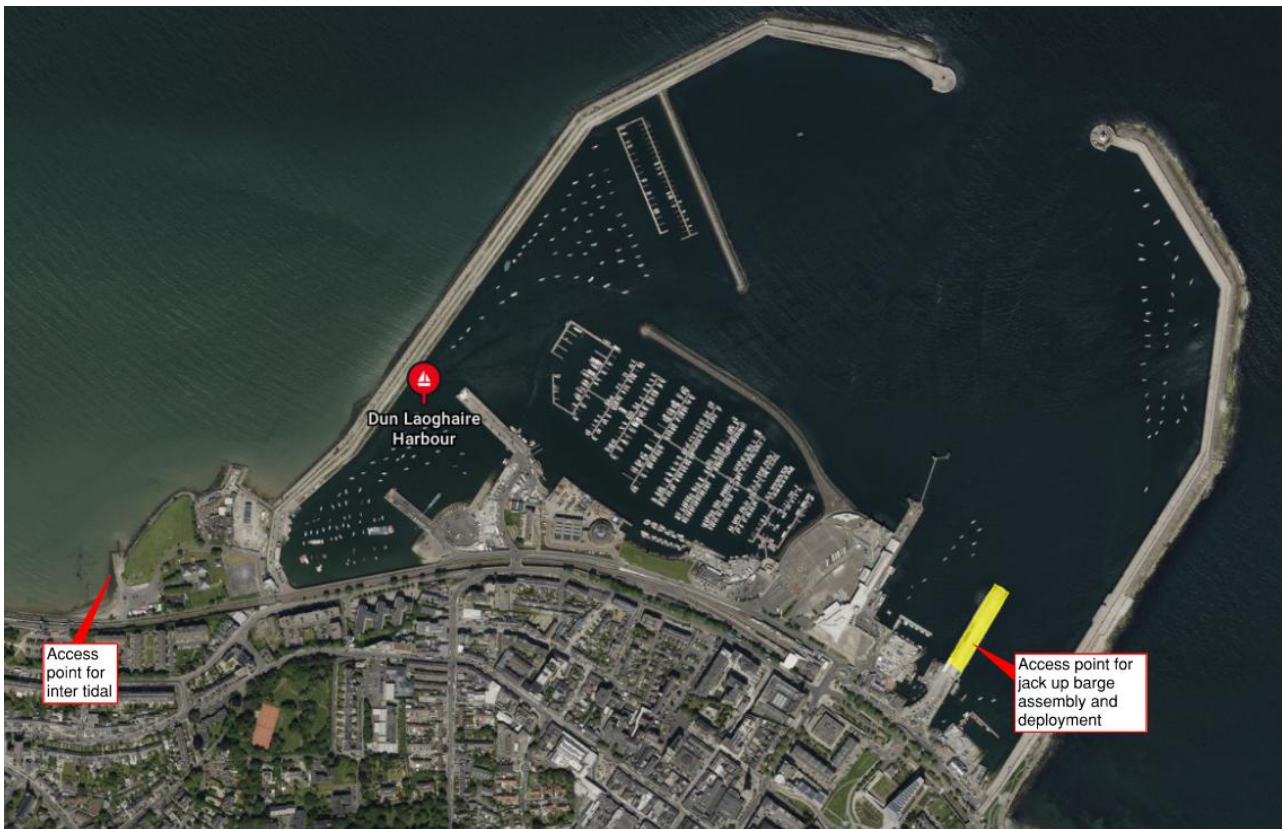
*Figures 4 & 5: Images of Sonic Drilling / Rotary Drilling Rigs*

### **Response No 3D**

The core diameter for intrusive investigations shall be up to 200mm diameter maximum dimension.

### **Response No 3E**

The access point for barge deployment for inter tidal and jack up barge is anticipated to be as outlined in the following Figure 6.



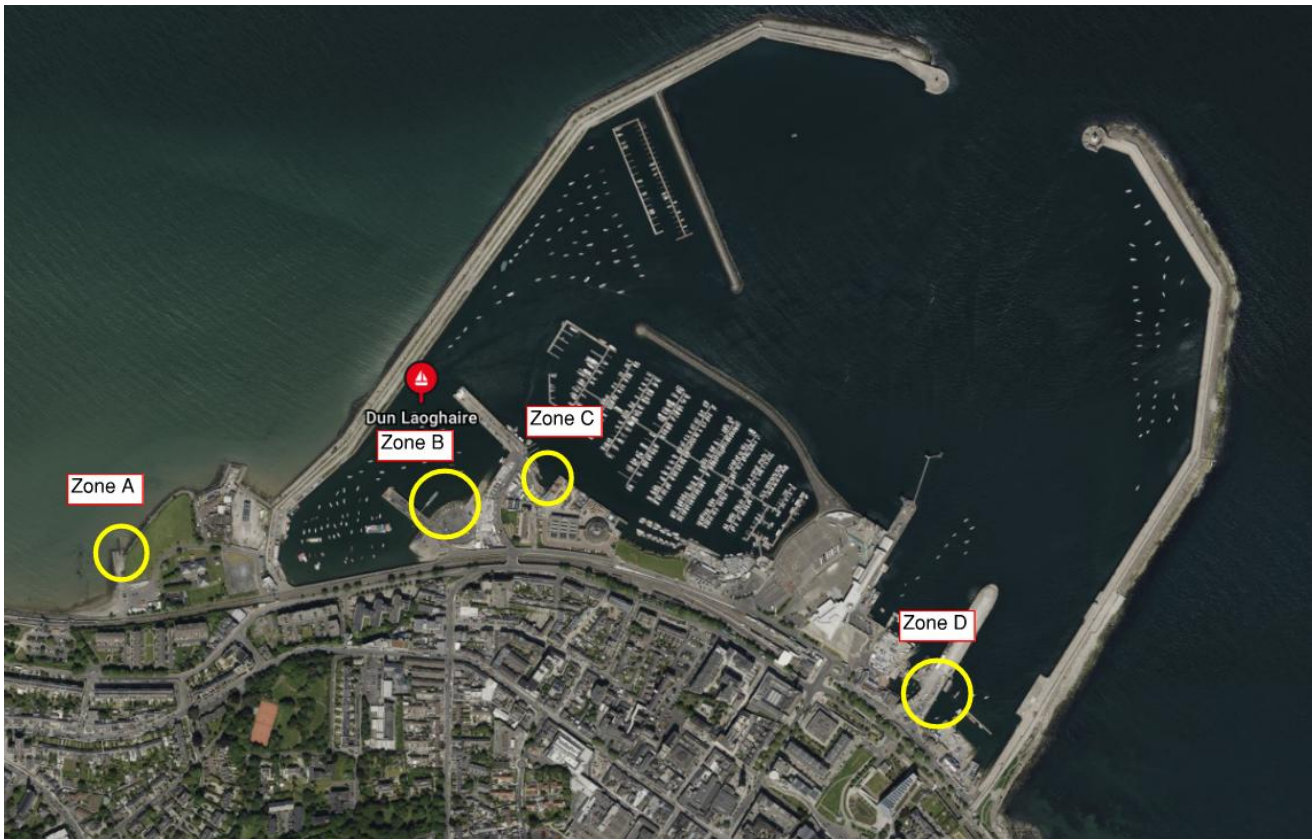
**Figure 6: Access Point ( Inter-tidal, Jack-up Barge Assembly & Deployment**

### **Response No 3F**

Site investigations tender submissions shall be required to provide anticipated works programme durations. Seasonal timing of works and inclement weather conditions will also impact on final works durations. Working hours may involve evening work to maximise rig usage on site. Indicative durations are anticipated to be within the window of 8 to 12 weeks;

| Zone   | Indicative timeline |
|--------|---------------------|
| Zone A | Less than 1 week    |
| Zone B | Approx 3-4 weeks    |
| Zone C | Less than 1 week    |
| Zone D | Approx 3-4 weeks    |

Please refer to Figure 7 below for proposed locations of “Work Zones”.



**Figure 7: Proposed Location of “Work Zones”**

We acknowledge that the following items inadvertently listed under scope of works in the application to MARA for a Marine Usage Licence ( Your Ref: MUL25003) do not fall under a Schedule 7 activity of the MAP Act and request that they are accordingly ignored by MARA in considering this application and the subsequent RFI which is the subject of this overall response;

*Improved Wind & Water Sports Launching Facilities*

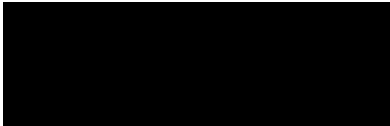
*Wind and Water Sports Providers Facilities – “The Gut”*

*High Performance Coaching Centre – Direct Water Access*



We trust you will find this in order and have addressed your request for clarification in full. If however you require any further information in support of this application we remain at your disposal,

Yours sincerely,



**Aly Alvy**

**Director**

*MRIAI, ARB, RIBA, NCARB  
B.Arch, BSc(Hons) Fire Engineering  
HDip Sc. Data Analytics (Business)*

**Reddy Architecture + Urbanism**