

Marine Directorate Licencing Operations Team (MD-LOT)
Marine Scotland
By Email

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7 March 2024

Attn: Marine Directorate Licencing Operations Team (MD-LOT)

Lerwick Port Authority
Dales Voe Ultra Deep Water Quay Development: EIA Screening Request

On behalf of our client, Lerwick Port Authority, we write regarding their intention to progress the above noted works. The works will be undertaken in accordance with a Harbour Revision Order (HRO), with marine construction and dredging licences applied for from Marine Directorate. An HRO application will be made to Transport Scotland.

The proposed development comprises 140m of combi steel pile wall and rock sockets positioned in a new -21m CD dredge basin (approx. 320,000m³), the majority of which will be brought ashore into reclamation works (approximately 8.3 Hectares) which is to be supplemented by additional land inert stone excavation (120,000m³) and rock armour protection works. Any dredged material unsuitable for land reclamation is expected to be deposited at sea, subject to a Best Practicable Environmental Option Assessment.

This development is separate to the proposed capital dredging operation to -14.5m CD at the existing Dales Voe facility, for which a marine licence application is underway: a sampling plan is being prepared and will be issued to MD-LOT in due course.

As the Ultra Deep Water Quay Development is expected to handle vessels of over 1,350 tonnes, we are of the opinion that the proposals fall into Paragraph 8 (2), Schedule 1 of the Marine Works (Environmental Impact Assessment) (Scotland) Regulations 2017 ('the Regs'). As such any application to Marine Directorate requires to be accompanied by an Environmental Impact Assessment Report (EIAR).

We are commencing preparation of the above noted applications with the intention of construction work commencing in Q2 2026. As such can you confirm our interpretation of the regulations is correct, and that this project screens positively under the Regs as a Schedule 1 development? To aid you with forming your opinion we have attached the Development Boundary. If you require any additional information, please do not hesitate to contact us.

Due to the tight programme, in order to save time we have commenced the scoping exercise and will be submitting our scoping report in due course, in advance of the EIAR submission. Please note we are also drafting a shadow Habitats Regulations Assessment (HRA) for these works to help ensure suitable scrutiny of protected habitats and species and the identification of any required mitigation.

We look forward to your response on this matter and would welcome further discussion, as needed.

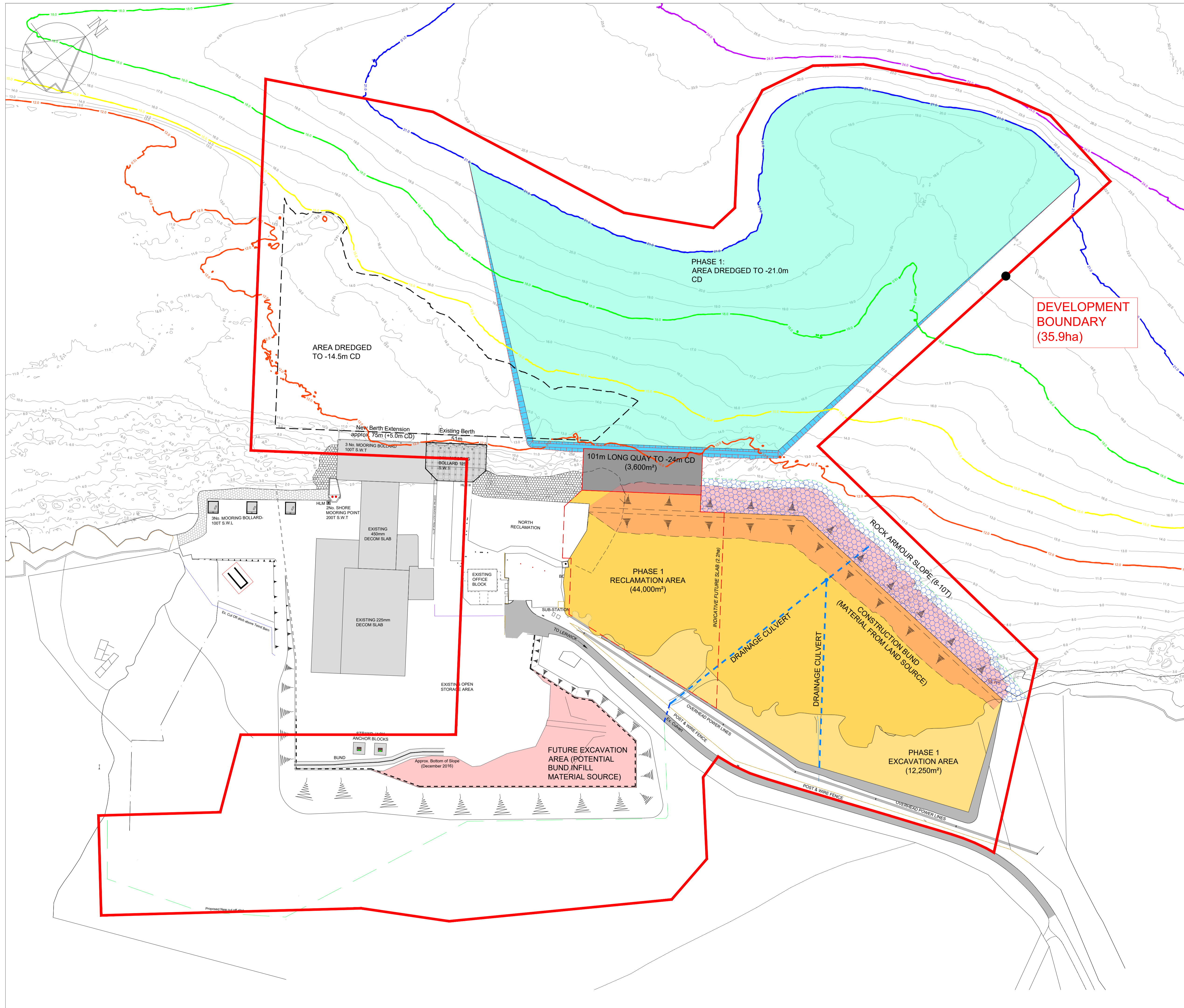
Yours sincerely
for EnviroCentre Limited

(issued electronically)

Dr Ian Buchan
Associate Director

Enc: 202071-P-10 Development Boundary Plan

CC: Andy Sandison, Arch Henderson
Shane Jamieson, Arch Henderson
Duar Fleming, EnviroCentre
Jeet Shah, EnviroCentre



PHASE 1:

-21m CD DREDGE AREA = 89,195m²
 DREDGE VOLUME (TO -21m CD) = 258,100m³
 OF WHICH,
 HARD/ROCK DREDGE = 73,750m³
 SOFT DREDGE = 184,350m³

OVERDREDGE ALLOWANCE:
 HARD = 21,000m³ (0.5m DEPTH)
 SOFT = 25,675m³ (0.25m DEPTH)

DREDGE TOTAL = 304,775m³

QUAY AREA = 3,600m² (~101m x 35.5m)
 COMBI-WALL PILING LENGTH = 170m
 ANCHOR WALL PILING LENGTH = 155m

RECLAMATION CONSTRUCTION BUND (MATERIAL FROM LAND SOURCE):
 INFILL VOLUME = 114,715m³

RECLAMATION AREA = 44,000m²
 INFILL VOLUME, INCL. QUAY INFILL = 366,100m³

ROCK ARMOUR SLOPE = 10,020m²,
 OF WHICH ~2,400m² RE-USED FROM EXISTING NORTH RECLAMATION/CAR PARK

EXCAVATION AREA = 12,250m²
 EXCAVATION VOLUME (INCL. U/S) = 92,325m³

VOLUME SUMMARY:
 INFILL VOLUME REQUIRED = 480,815m³

OF WHICH,
 • 304,775m³ DREDGE VOLUME
 • 176,040m³ REQUIRED FROM LAND BASED SOURCE

SEABED CONTOUR KEY

- 12 metres
- 15 metres
- 18 metres
- 21 metres
- 24 metres

PRELIMINARY

REV	DATE	REVISION	DRN	CHK
B	23.02.2024	BOUNDARY AMENDED	PRN	
A	16.01.2024	BOUNDARY AMENDED	PRN	
-	11.12.2023	PRELIMINARY ISSUE FOR COMMENT	PRN	

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Arch Henderson 1919

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Offices in : Aberdeen, Dundee, Glasgow, Lerwick, Lisboa (Portugal), Stromness and Thurso

PROJECT :
 Lerwick Port Authority
 Ultra Deep Water Port, Dales Voe, Lerwick

TITLE :
 Development Boundary

DRAWN : PRN	DATE : Dec 2023	CHECKED : APS	APPROVED : APS
SCALE : (A1) 1:1500		DRAWING STATUS : Preliminary	
DRAWING No : 202071-P-10			REV : B