



Environmental Impact Assessment Report (EIAR)

Ringaskiddy Port Re-development – Vol III Figures

Report No. M1099-AYE-ENV-R-001

28 January 2025

Revision 03

Port of Cork Company

Document Control

Project

Ringaskiddy Port Re-Development

Client

Port of Cork Company

Document

Environmental Impact Assessment Report (EIAR)

Report Number:

M1099-AYE-ENV-R-001

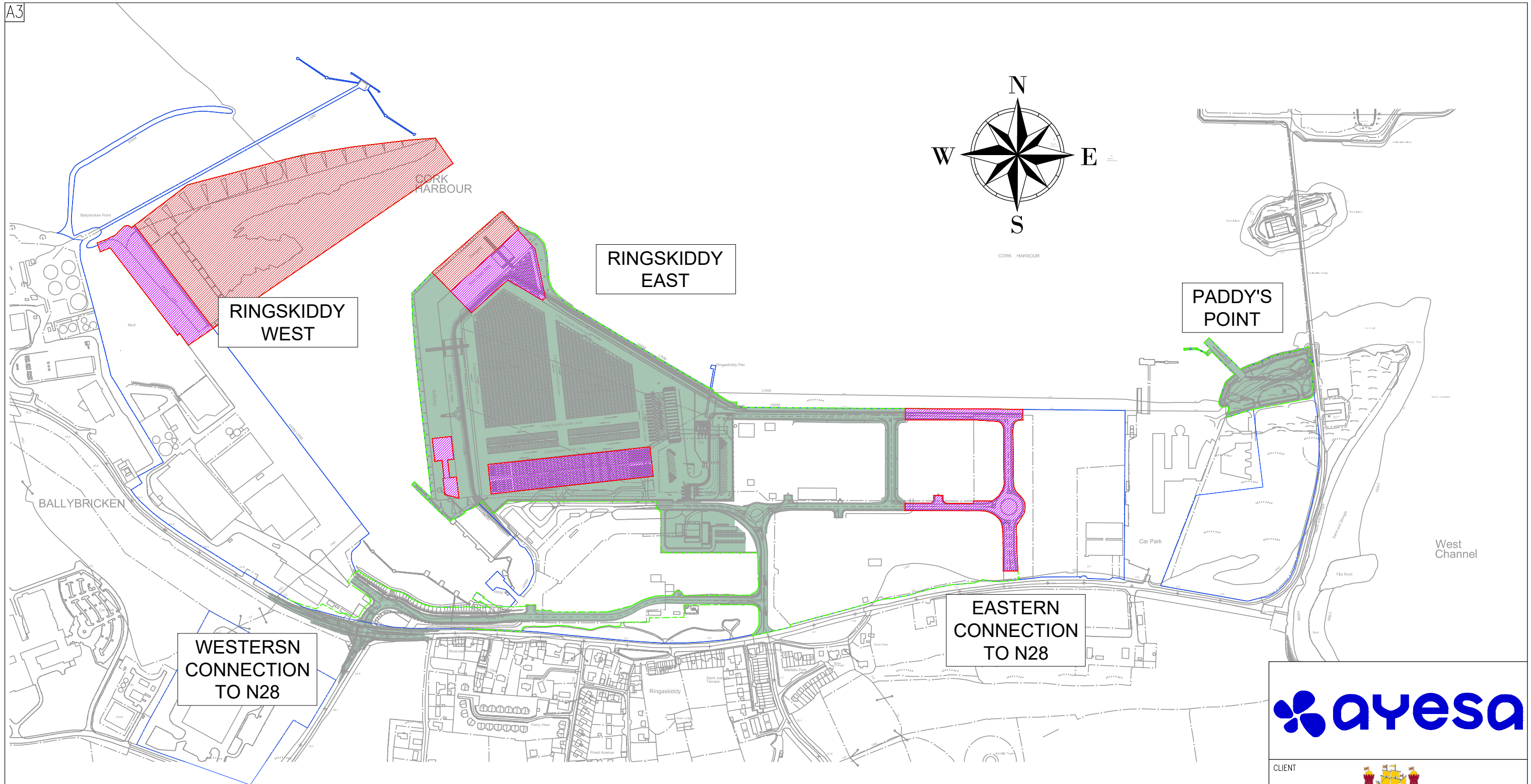
Document Checking:

Date	Rev	Details of Issue	Prepared by	Checked by	Approved by
6 June 2024	00	Draft Issue	LMorrissey ABrogan	B Sheridan	BSheridan
22 November 2024	01	Draft Issue	LMorrissey ABrogan	B Sheridan	BSheridan
10 January 2025	02	Draft Issue	LMorrissey ABrogan	B Sheridan	BSheridan
28 January 2025	03	Draft Issue	LMorrissey ABrogan	B Sheridan	BSheridan

Disclaimer: Please note that this report is based on specific information, instructions, and information from our Client and should not be relied upon by third parties.



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LEGEND:

- = OWNERSHIP BOUNDARY
- = RED LINE BOUNDARY OF CURRENT APPLICATION
- = PREVIOUS SID PA0035 APPLICATION BOUNDARY, AS MODIFIED BY PM001.
- = PHASES INCLUDED IN CURRENT APPLICATION (PHASE 1b, 2 & 3)
- = DREDGING PROPOSED IN CURRENT APPLICATION
- = PHASES CONSTRUCTED



CLIENT
 PROJECT
 Ringaskiddy Port Redevelopment

DRAWING TITLE
 Proposed Development

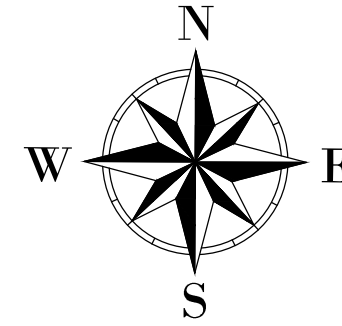
STATUS
 FOR INFORMATION

Date: 01/11/24	Scale: 1:7000 (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 3.1			Rev: 00

SUITABILITY
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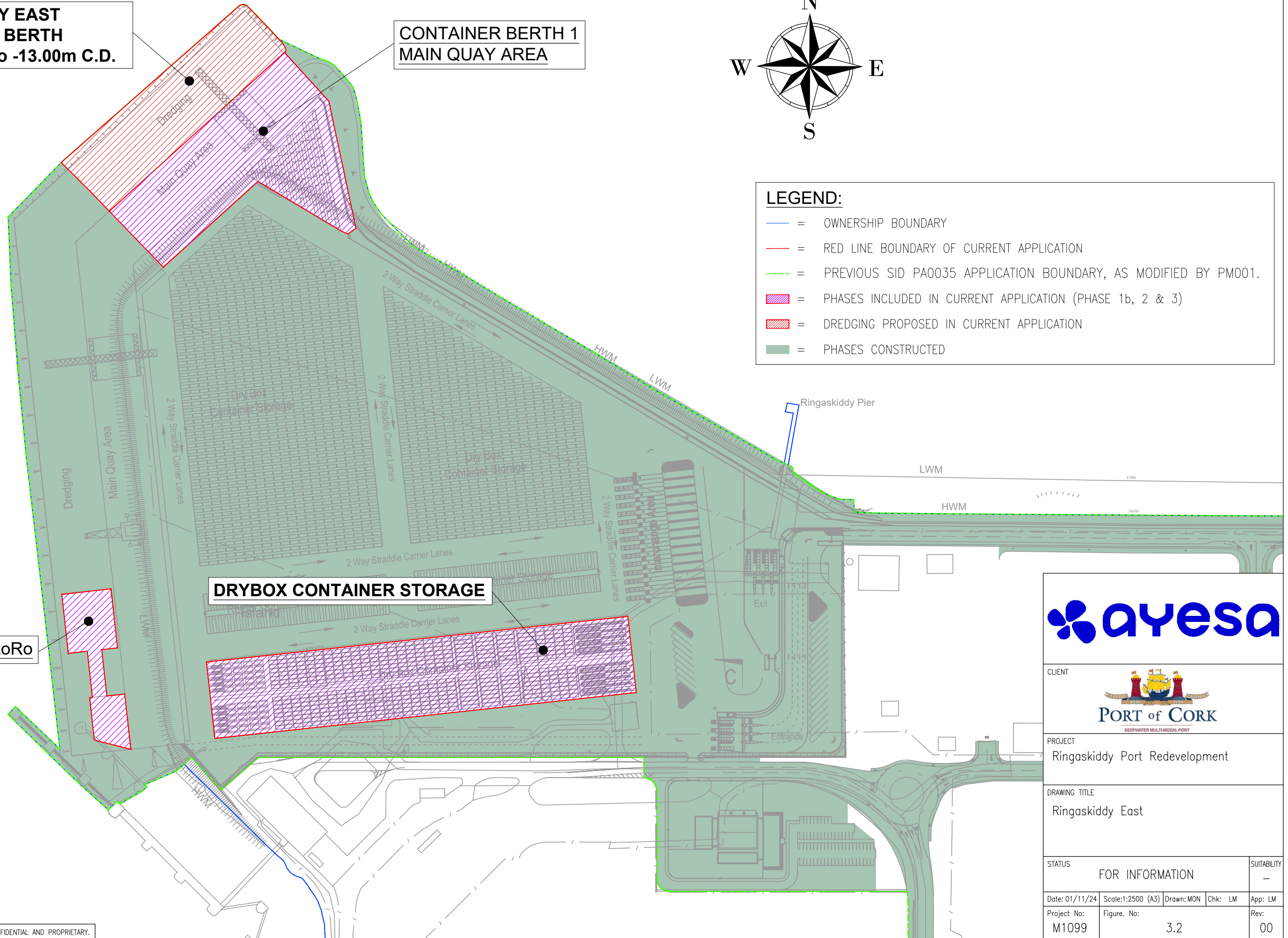
**RINGASKIDDY EAST
DEEPWATER BERTH
DREDGING to -13.00m C.D.**

**CONTAINER BERTH 1
MAIN QUAY AREA**



LEGEND:

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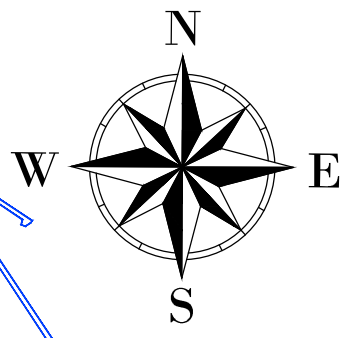
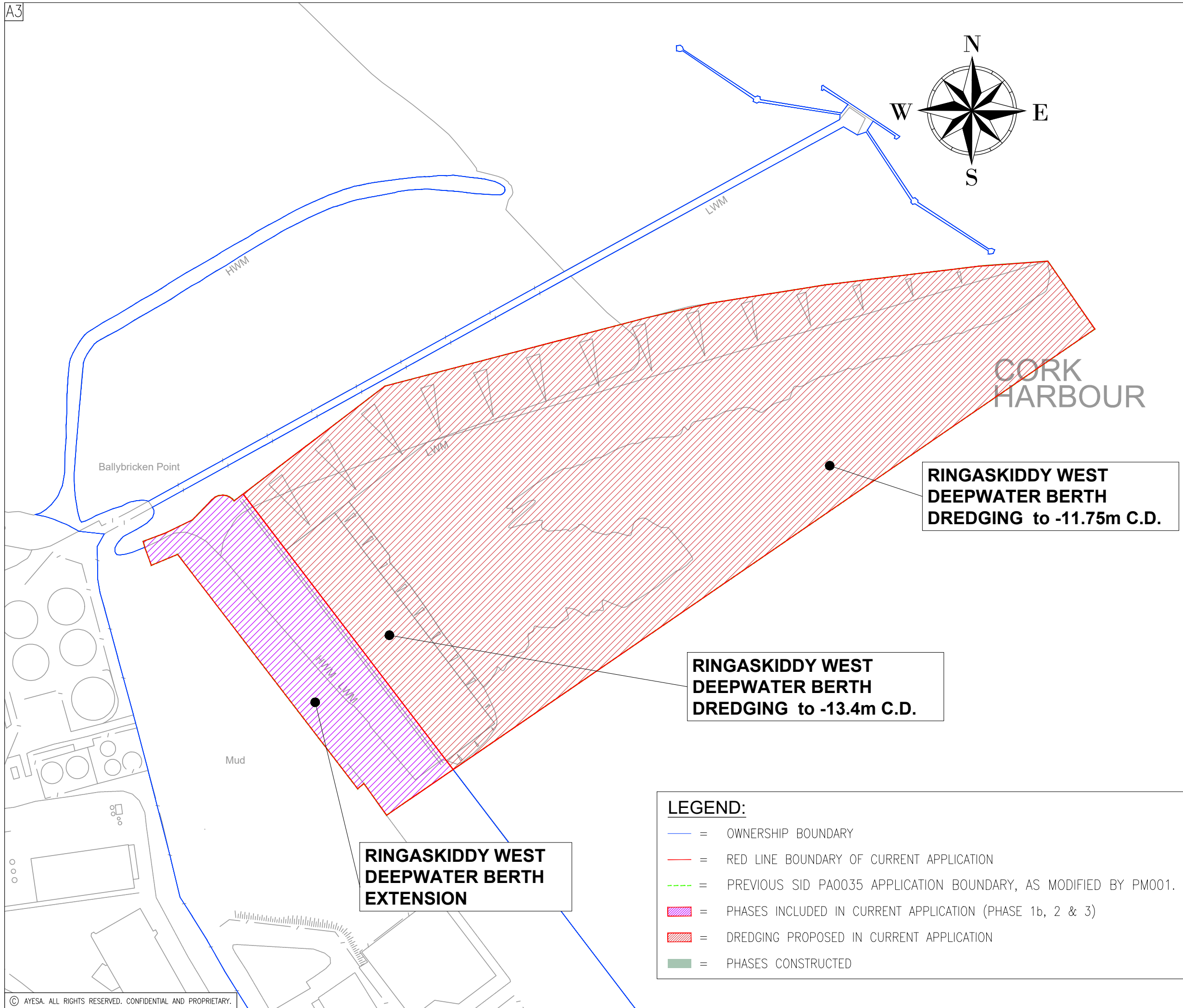
PROJECT
Ringaskiddy Port Redevelopment

DRAWING TITLE
Ringaskiddy East

STATUS FOR INFORMATION SUITABILITY -

Date: 01/11/24 Scale: 1:2500 (A3) Drawn: MON Chk: LM App: LM

Project No: M1099 Figure No: 3.2 Rev: 00



RINGASKIDDY WEST DEEPWATER BERTH DREDGING to -11.75m C.D.

RINGASKIDDY WEST DEEPWATER BERTH DREDGING to -13.4m C.D.

RINGASKIDDY WEST DEEPWATER BERTH EXTENSION

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CLIENT



PROJECT

Ringaskiddy Port Redevelopment

DRAWING TITLE

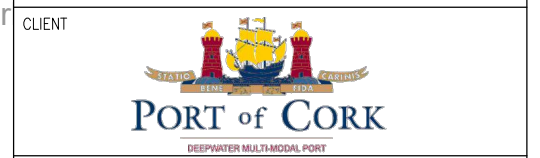
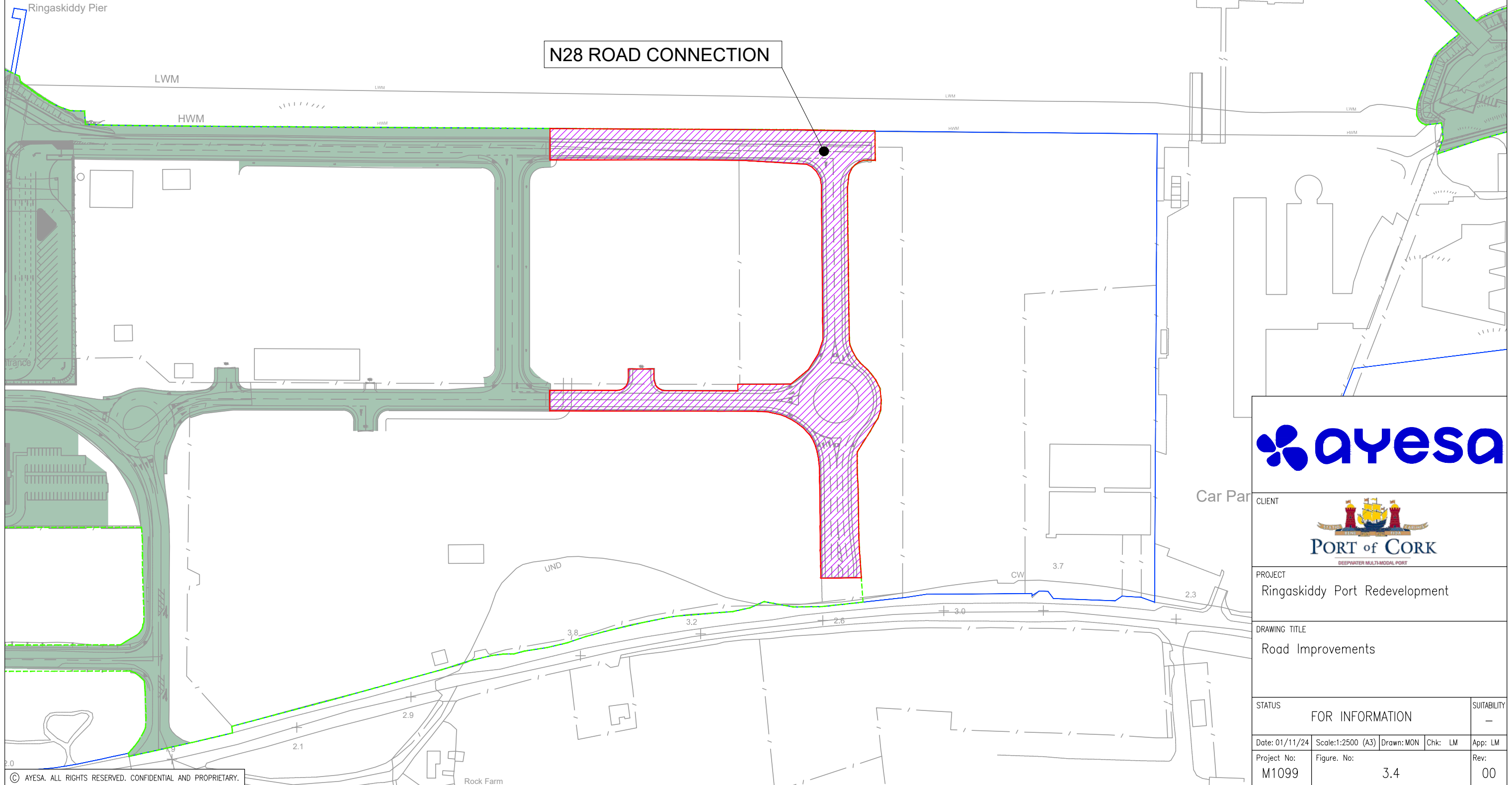
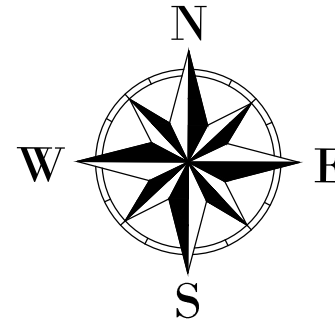
Ringaskiddy West

STATUS	FOR INFORMATION	SUITABILITY
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Date: 01/11/24	Scale: 1:2500 (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 3.3			Rev: 00

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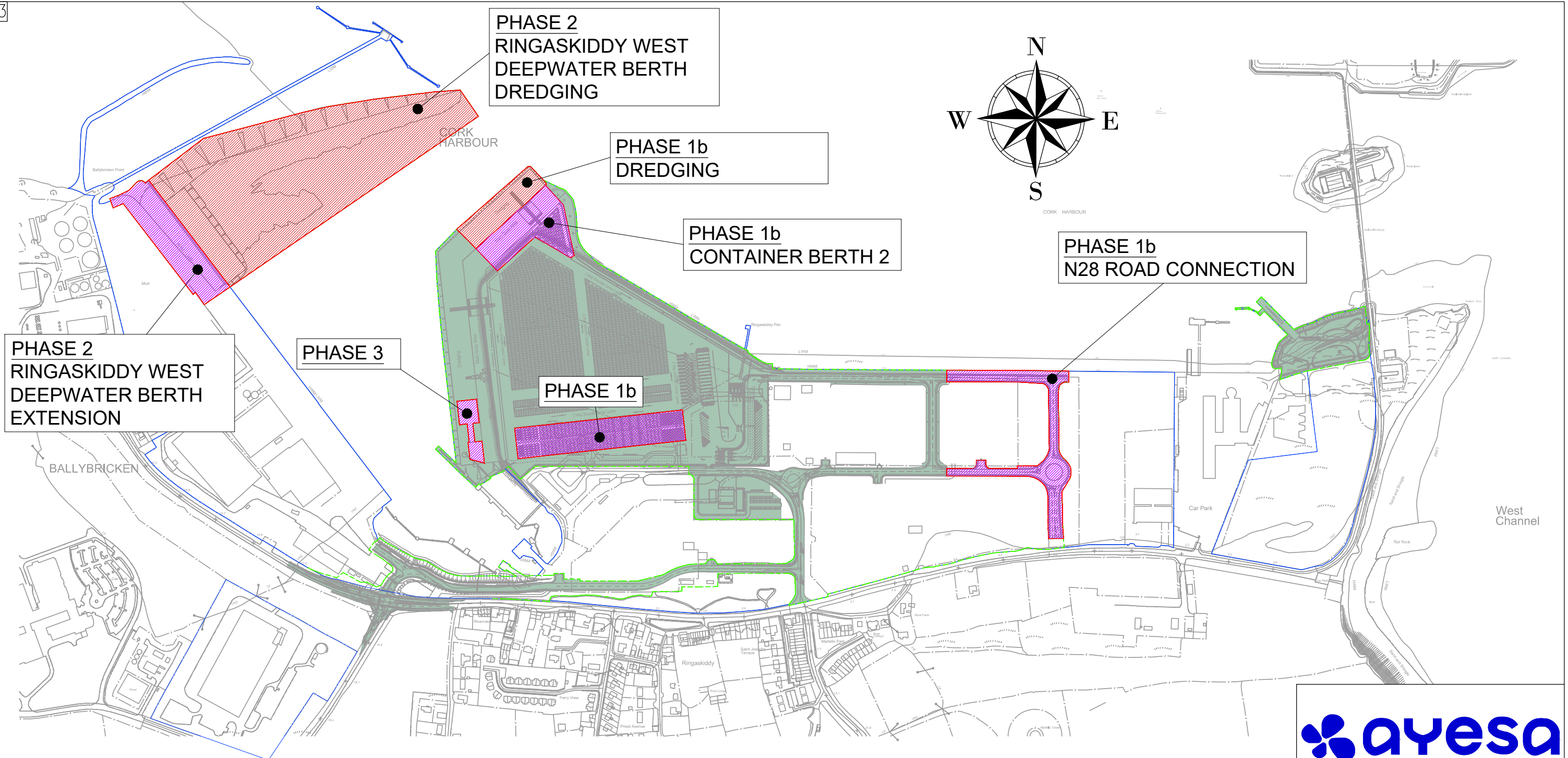


CLIENT
 PROJECT
 Ringaskiddy Port Redevelopment

DRAWING TITLE
 Road Improvements

STATUS
 FOR INFORMATION

Date: 01/11/24	Scale: 1:2500 (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 3.4			Rev: 00



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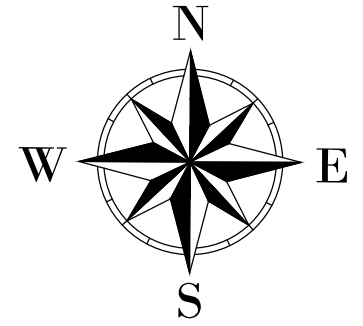
CLIENT
 PROJECT
 Ringaskiddy Port Redevelopment

DRAWING TITLE
 Phasing of Development

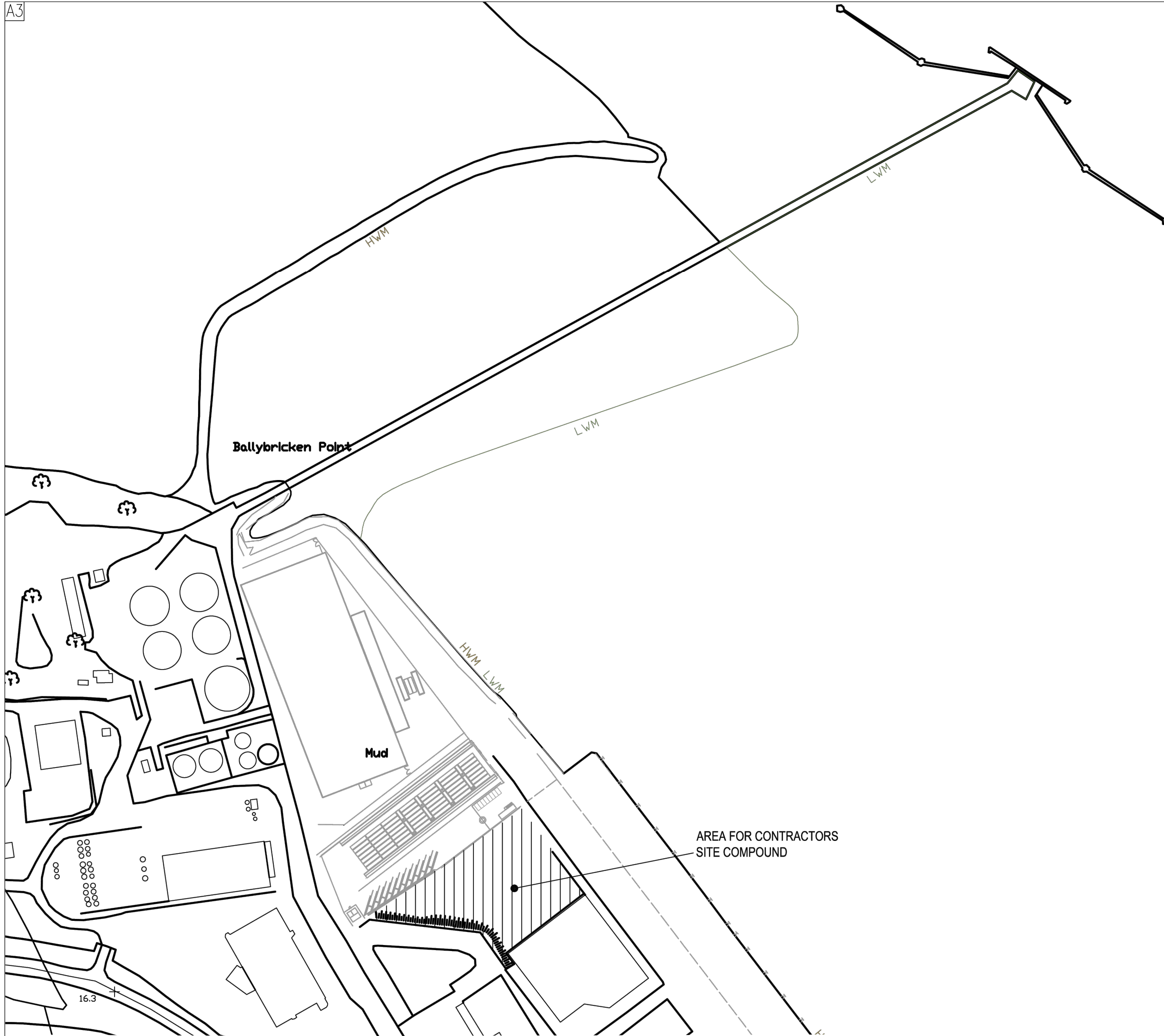
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Date: 01/11/24	Scale: 1:7000 (A3)	Drawn: MON	Chk: LM	App: LM	SUITABILITY —
Project No: M1099	Figure. No: 3.5				Rev: 00

A3



CORK
HARB



CLIENT



DEEPWATER MULTIMODAL PORT

PROJECT

Ringaskiddy Port Redevelopment

DRAWING TITLE

Site Compound

STATUS

FOR INFORMATION

SUITABILITY

-

Date: 01/11/24

Scale: 1:7000 (A3)

Drawn: MON

Chk: LM

App: LM

Project No:

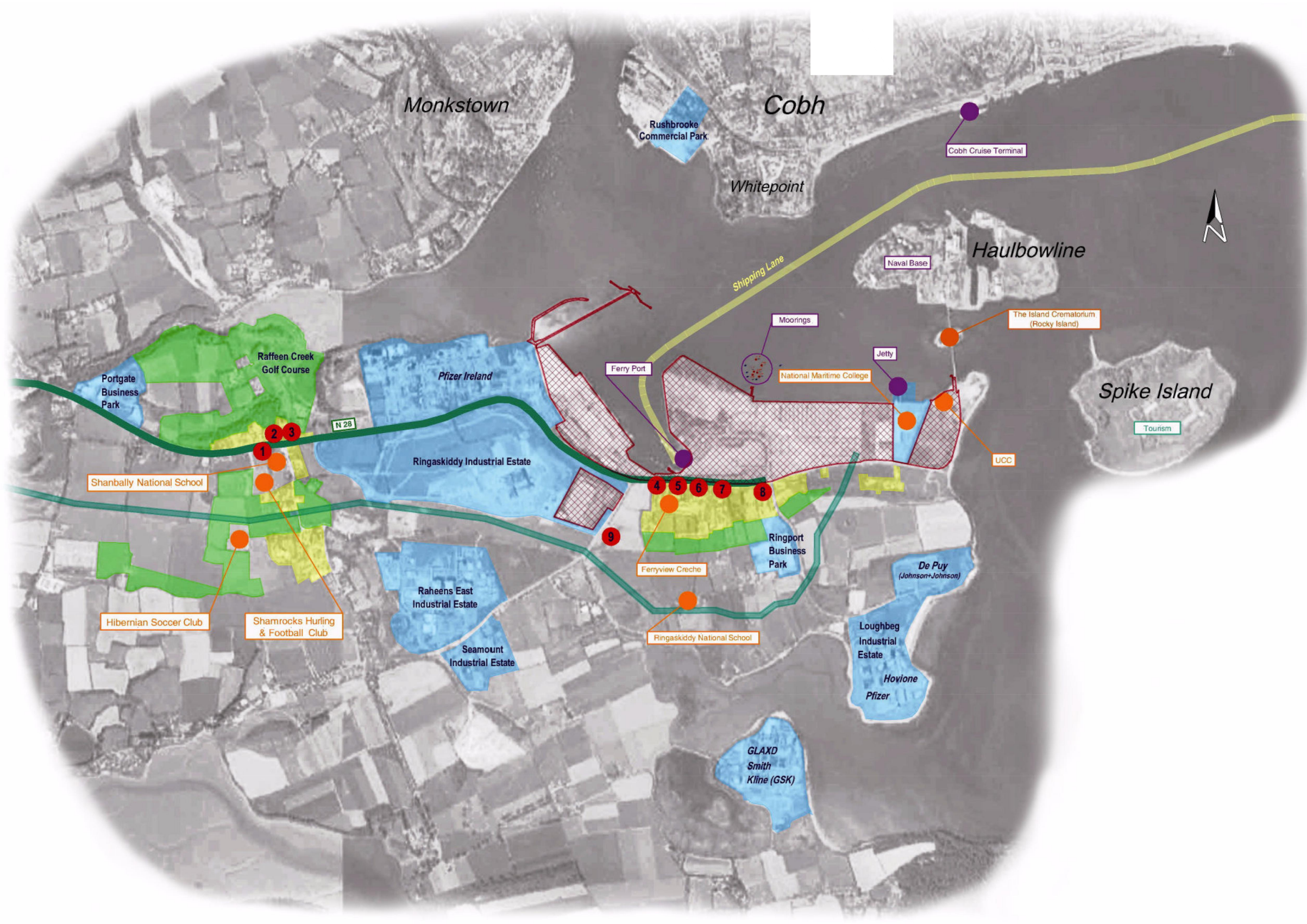
Figure No:

M1099









3.6

Rev:

00



Legend

-  Port of Cork Landholding
-  Existing Industry
-  Existing Residential
-  Open Space
-  Proposed Re-Alignment of N28
-  Community & amenity Facilities
-  Maritime Facilities
-  Public Places
 1. Shanbally Church
 2. The Shamrock Bar
 3. Shop (closed)
 4. Sam's Bar
 5. Ringaskiddy Community Centre
 6. Pub & Restaurant 'Ferry View'
 7. Shop
 8. Ringaskiddy Church
 9. Graveyard





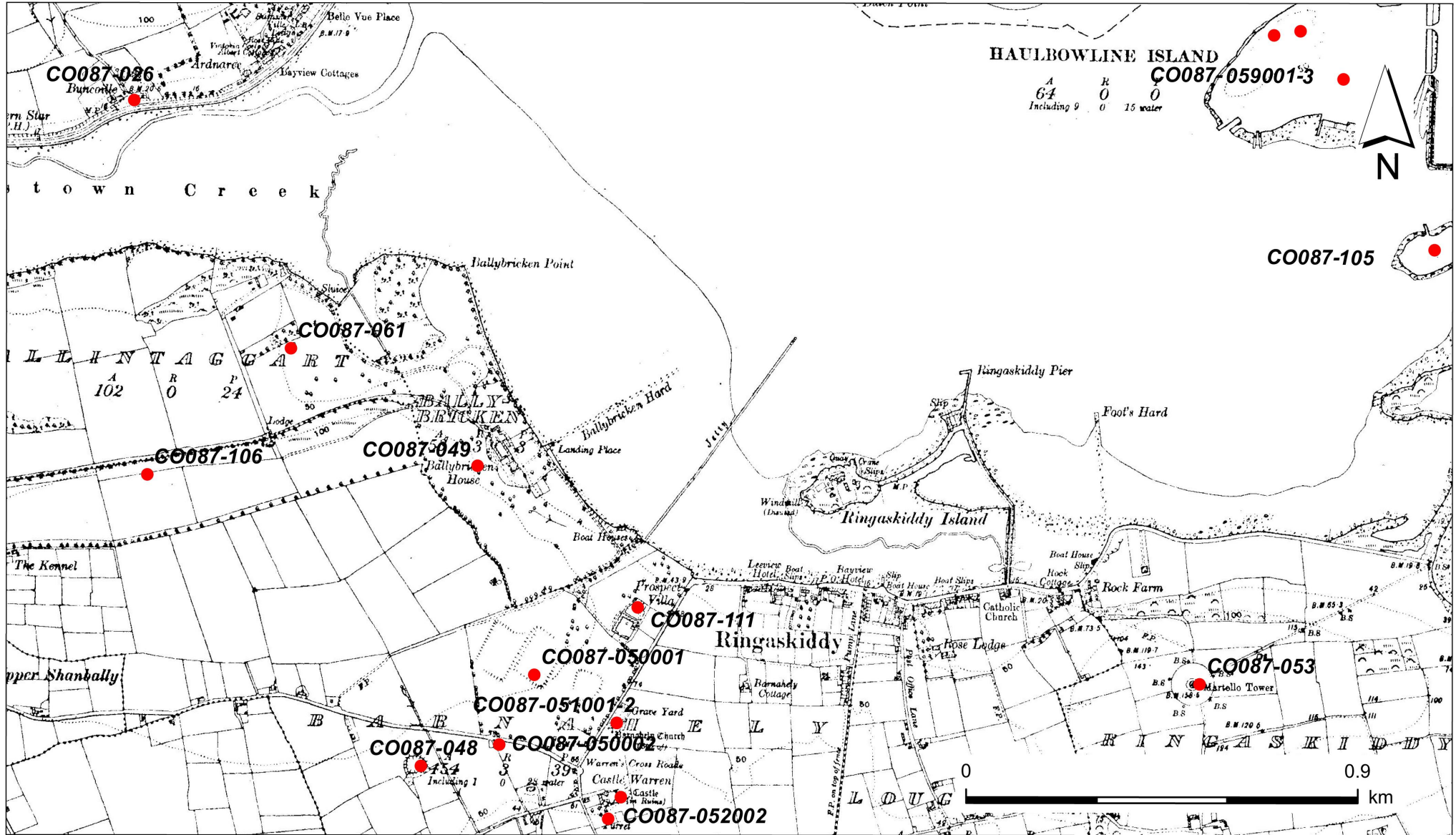
CLIENT
 PROJECT
 Ringaskiddy Port Redevelopment


DRAWING TITLE
 Potential Receptors

STATUS	FOR INFORMATION				SUITABILITY
Date: 01/11/24	Scale: N.T.S.	Drawn: MON	Chk: LM	App: LM	—
Project No: M1099	Figure No: 5.2			Rev: 00	



<p>CLIENT</p>  <p>PORT of CORK DEEPWATER MULTI-MODAL PORT</p>	<p>DRAWING TITLE</p> <p>Aerial View of Port of Cork Lands at Ringaskiddy</p> <p>Date: 30/10/24 Scale: N.T.S. Drawn: MON Chk: LM App: LM</p>	
<p>PROJECT</p> <p>Ringaskiddy Port Redevelopment</p>	<p>Project No: M1099 Figure No: 6.1 Rev: 00</p>	



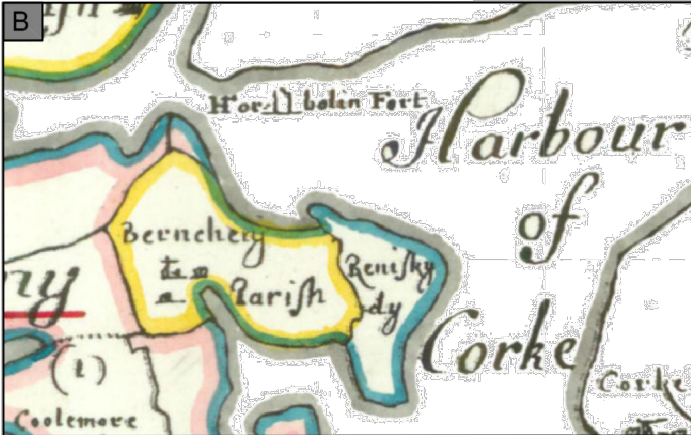
CLIENT	 <p>PORT of CORK DEEPWATER MULTI-MODAL PORT</p>	
PROJECT	Ringaskiddy Port Redevelopment	

DRAWING TITLE				
Distribution of known archaeological sites in the vicinity of Ringaskiddy, Cork Harbour				
Date: 30/10/24	Scale: 1:12,000	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 6.3			Rev: 00

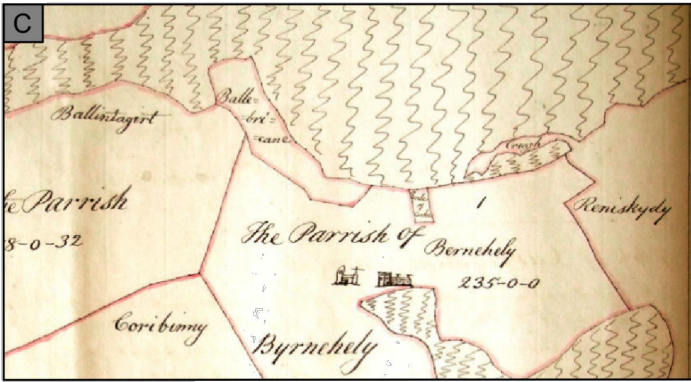




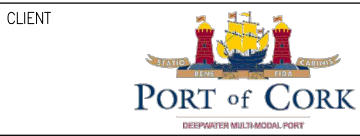
Down Survey 1670; Provincial map



Down Survey 1670; Kerrycurrihy Barony



Down Survey 1670; Byrnehely, Carigolin, Lisnecleary, and Kerrycurrihy Parishes



CLIENT
DRAWING TITLE
Extract from Down Survey Maps of 1670 showing Ringaskiddy

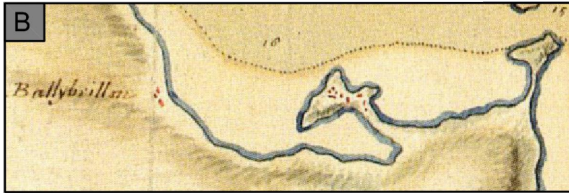
PROJECT
Ringaskiddy Port Redevelopment

Date: 30/10/24	Scale: 1:12,000	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 6.4			Rev: 00





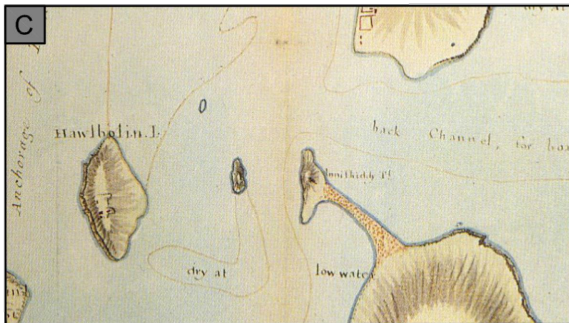
Extract from Historic Map of Cork Harbour, c.1770



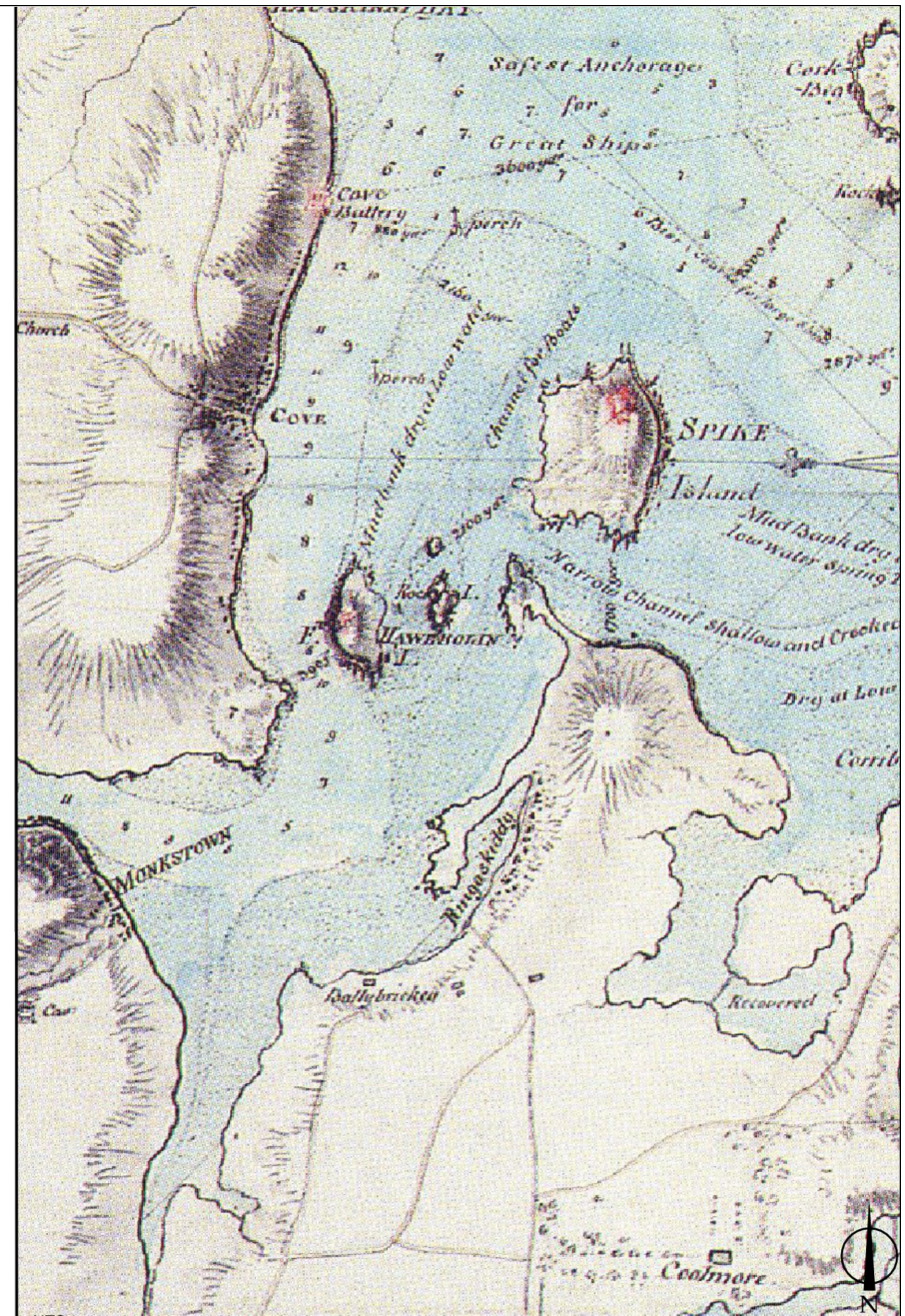
Detail from above map



Extract from Historic Map of Cork Harbour, c.1781



Detail from above map



CLIENT

DRAWING TITLE

Extract from Historic Maps of Cork Harbour from C. 1770 to C. 1801/2

Date: 30/10/24 Scale: 1:12,000 Drawn: MON Chk: LM App: LM

PROJECT

Ringaskiddy Port Redevelopment

Project No: M1099 Figure No: 6.5 Rev: 00

Extract from OS First Edition Map (mid-1800s)



CLIENT



DRAWING TITLE

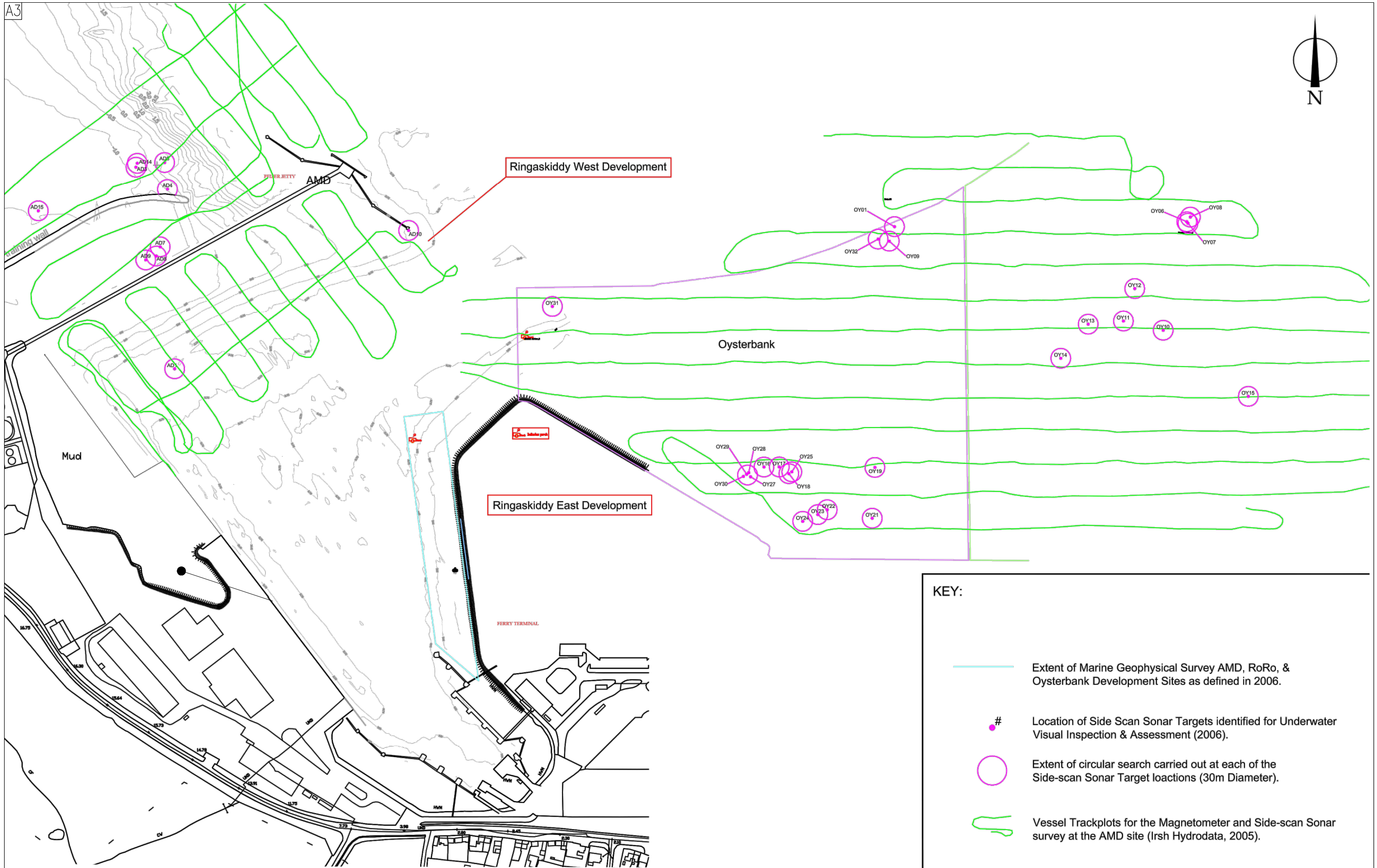
Extract from OS First Edition Map (mid-1800s) showing cartographic features within the study area.

Date: 30/10/24 Scale: N.T.S. Drawn: MON Chk: LM App: LM

PROJECT
Ringskiddy Port Redevelopment

Project No: M1099 Figure No: 6.6 Rev: 00





CLIENT



PROJECT

Ringaskiddy Port Redevelopment

DRAWING TITLE

Map showing extent of 2005 Marine Geophysical Survey and location of identified side-scan sonar targets.

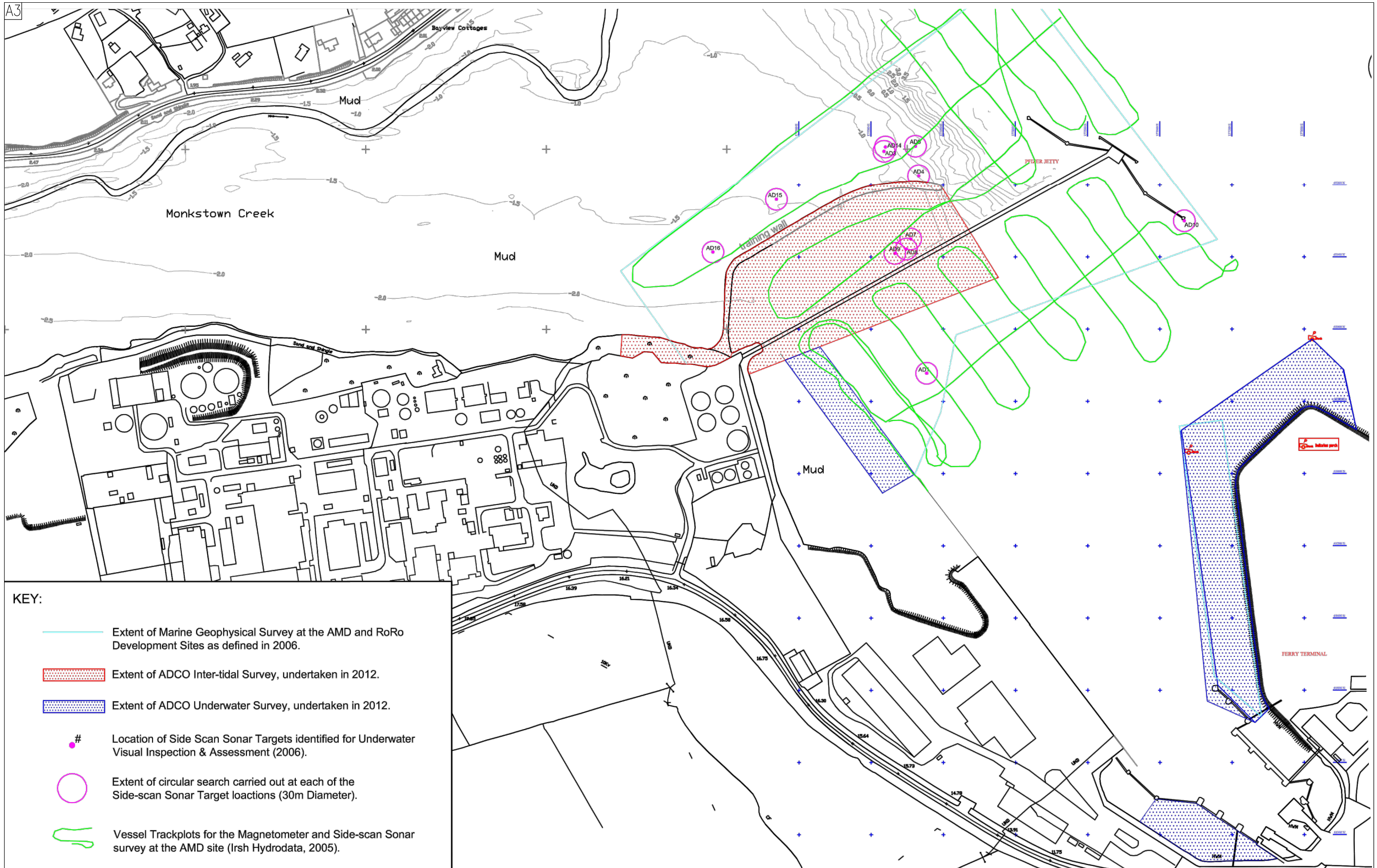
STATUS

FOR INFORMATION

SUITABILITY

-

Date: 01/11/24	Scale: 1:7000 (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 6.7			Rev: 00



KEY:

- Extent of Marine Geophysical Survey at the AMD and RoRo Development Sites as defined in 2006.
- Extent of ADCO Inter-tidal Survey, undertaken in 2012.
- Extent of ADCO Underwater Survey, undertaken in 2012.
- # Location of Side Scan Sonar Targets identified for Underwater Visual Inspection & Assessment (2006).
- Extent of circular search carried out at each of the Side-scan Sonar Target loactions (30m Diameter).
- Vessel Trackplots for the Magnetometer and Side-scan Sonar survey at the AMD site (Irsh Hydrodata, 2005).



CLIENT
 PROJECT
 Ringaskiddy Port Redevelopment

DRAWING TITLE
 Map showing extent of Inter-tidal and Underwater Surveys at RRingaskiddy in 2012, overlade onto ADM survey Area and Features identified in 2005.

STATUS FOR INFORMATION		SUITABILITY —	
Date: 01/11/24	Scale: 1:7000 (A3)	Drawn: MON	Chk: LM
Project No: M1099	Figure No: 6.8	App: LM	Rev: 00



KEY:

- Extent of Marine Geophysical Survey at the AMD and RoRo Development Sites as defined in 2006.
- Vessel Trackplots for the Magnetometer and Side-scan Sonar survey at the AMD site (Irish Hydrodata, 2005).



PROJECT
Ringaskiddy Port Redevelopment

DRAWING TITLE
Map showing depth soundings recorded by Irish Hydrodata for Port of Cork in 2013

STATUS		FOR INFORMATION			SUITABILITY
Date: 01/11/24	Scale: 1:7000 (A3)	Drawn: MON	Chk: LM	App: LM	-
Project No: M1099	Figure No: 6.9				Rev: 00



CLIENT



PROJECT

Ringaskiddy Port Redevelopment

DRAWING TITLE

Images (2012) of reclaimed land area in East Basin.

Date: 31/10/24

Scale: N.T.S.

Drawn: MON

Chk: LM

App: LM

Project No:

M1099

Figure No:

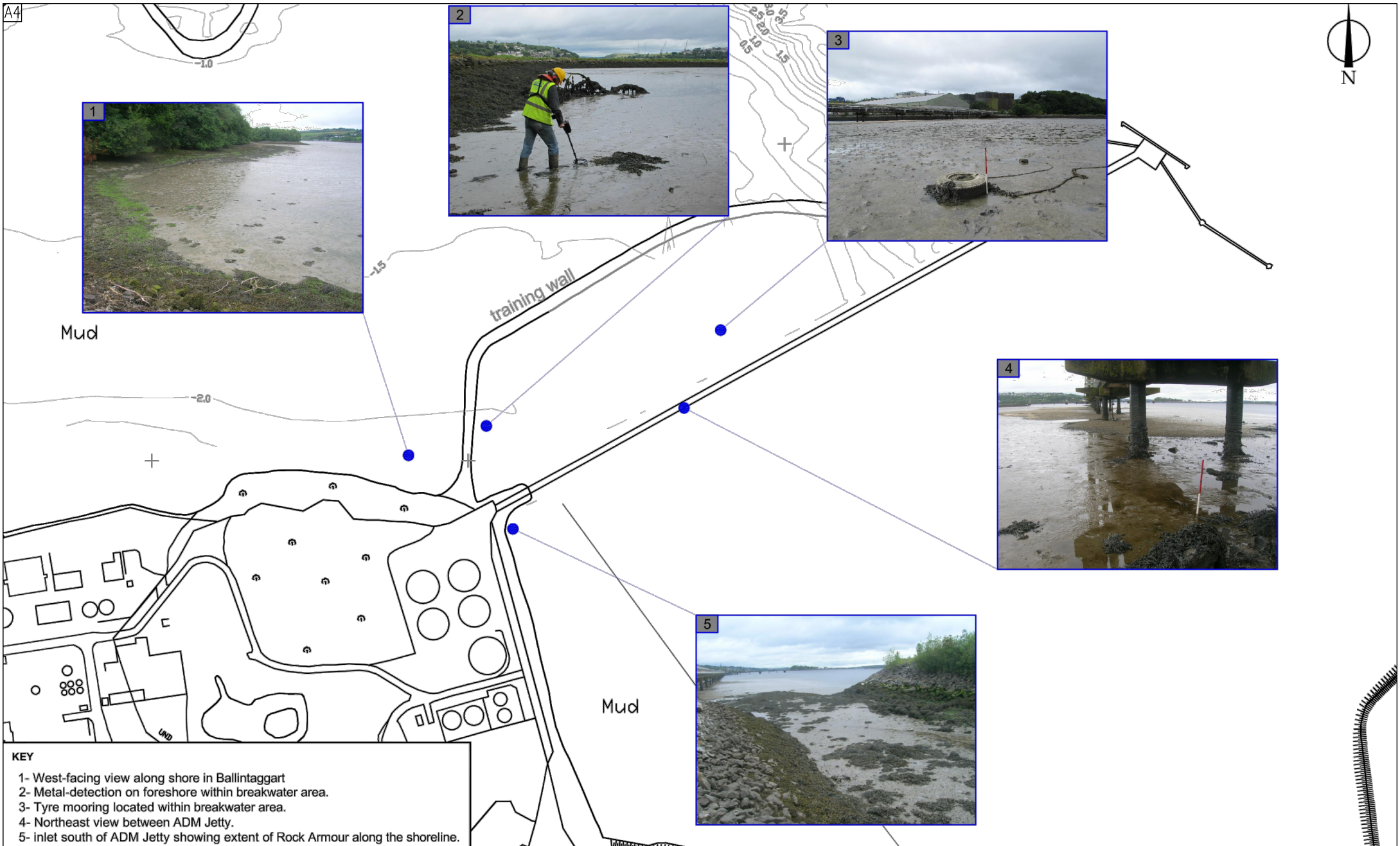
6.10

Rev:

00



A4




KEY

- 1- West-facing view along shore in Ballinaggart
- 2- Metal-detection on foreshore within breakwater area.
- 3- Tyre mooring located within breakwater area.
- 4- Northeast view between ADM Jetty.
- 5- inlet south of ADM Jetty showing extent of Rock Armour along the shoreline.

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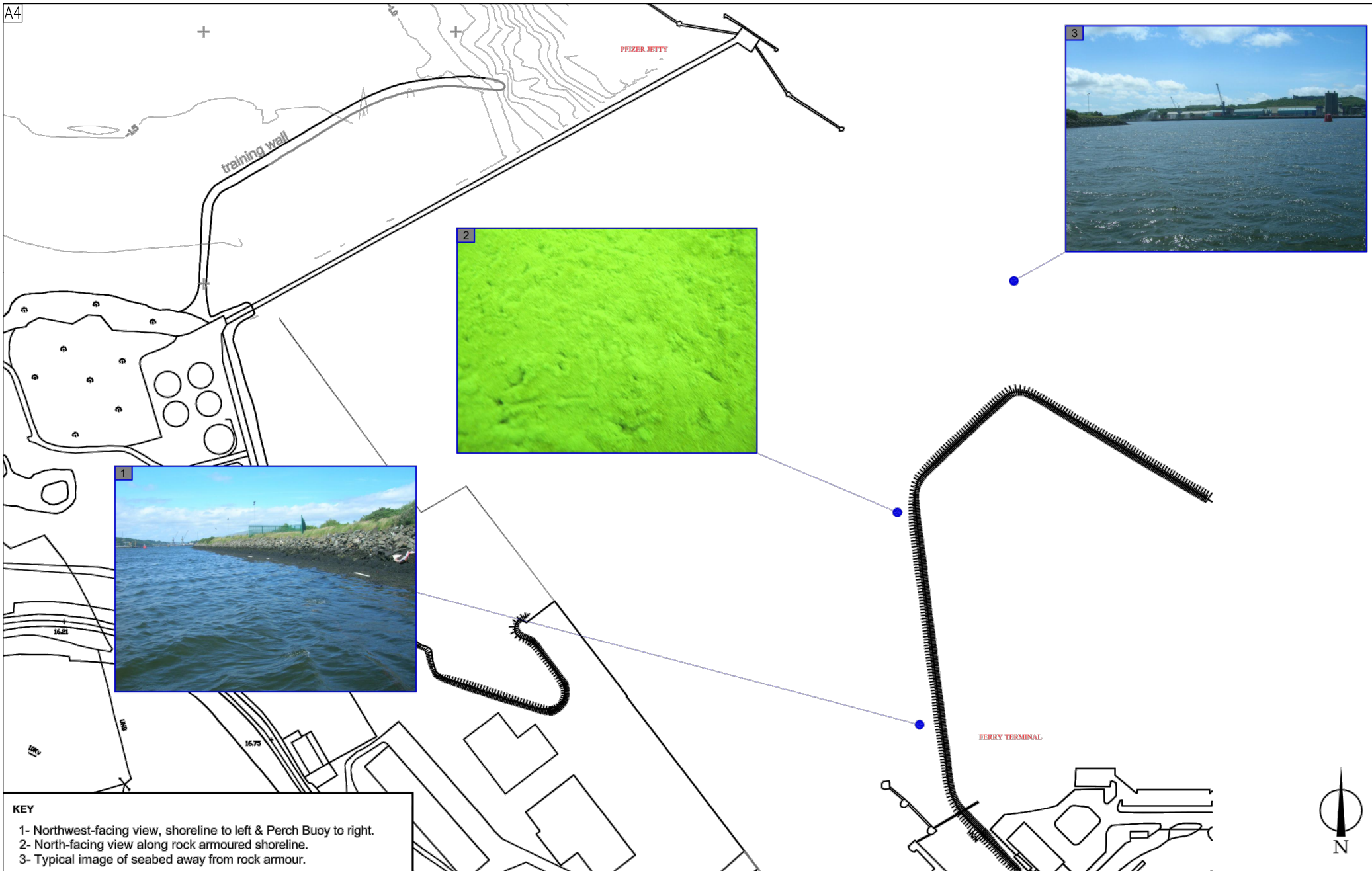
CLIENT



PROJECT
Ringaskiddy Port Redevelopment

DRAWING TITLE Images of the inter-tidal survey (2012) in the west Basin.				
Date: 31/10/24	Scale: N.T.S.	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 6.11			Rev: 00





KEY

- 1- Northwest-facing view, shoreline to left & Perch Buoy to right.
- 2- North-facing view along rock armoured shoreline.
- 3- Typical image of seabed away from rock armour.

CLIENT



DRAWING TITLE

Images of Dive Area (2012) in East Basin.

Date: 31/10/24	Scale: N.T.S.	Drawn: MON	Chk: LM	App: LM
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PROJECT

Ringaskiddy Port Redevelopment

Project No:

M1099

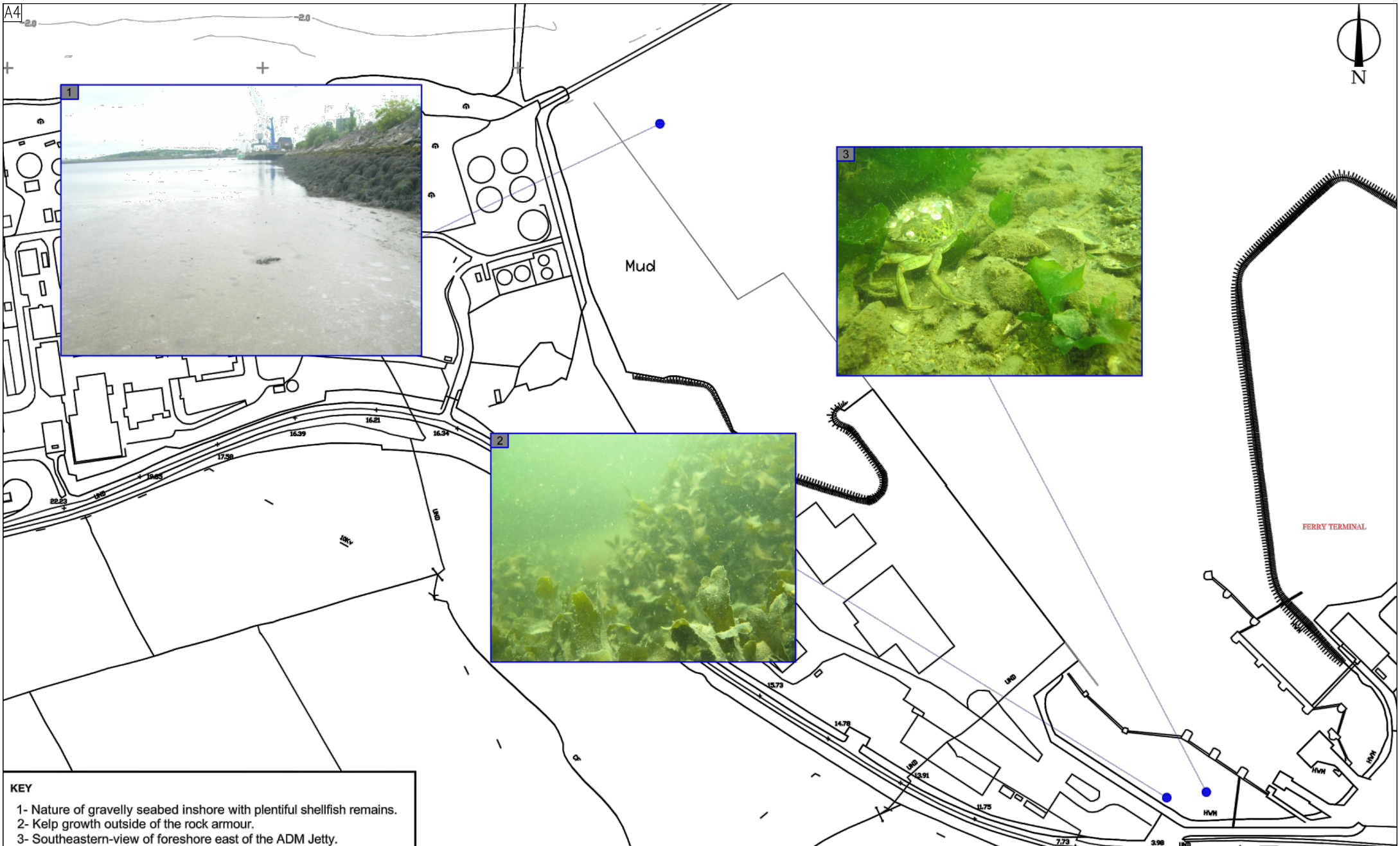
Figure No:

6.12

Rev:

00





KEY

- 1- Nature of gravelly seabed inshore with plentiful shellfish remains.
- 2- Kelp growth outside of the rock armour.
- 3- Southeastern-view of foreshore east of the ADM Jetty.

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DRAWING TITLE

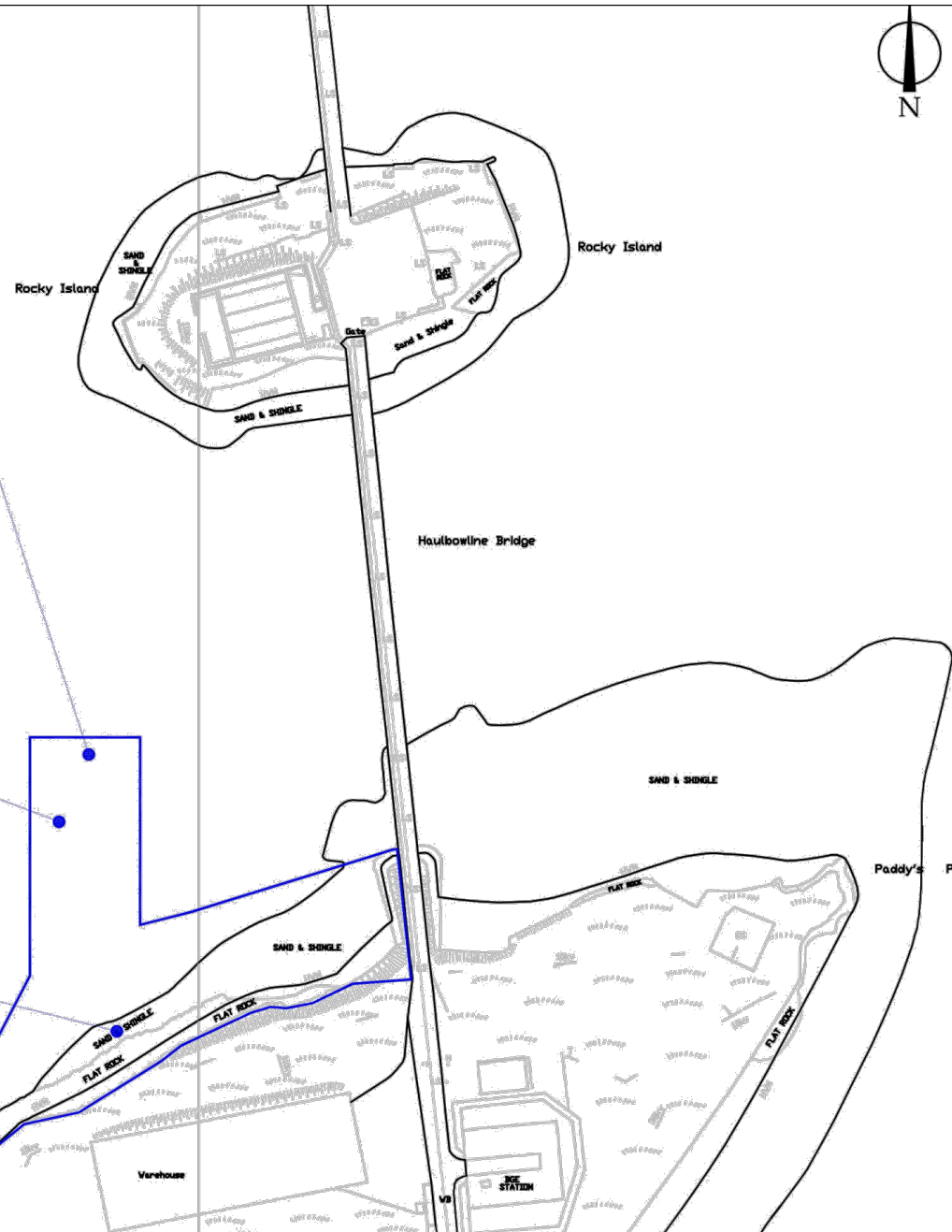
Images looking South along the Deepwater Berth (2012) where it is Intended to reclaim and dredge, and Images of seabed at the No.2 Dolphin Ramp

Date: 31/10/24	Scale: N.T.S.	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 6.13			Rev: 00





CORK HARBOUR



KEY
 1- East-facing view of Haulbowline Bridge taken from northern extent of survey area.
 2- Example of silty-calca seabed located within sub-tidals survey area.
 3- North-facing view of inter-tidal foreshore (Low Water) along centerline of proposed slipway.

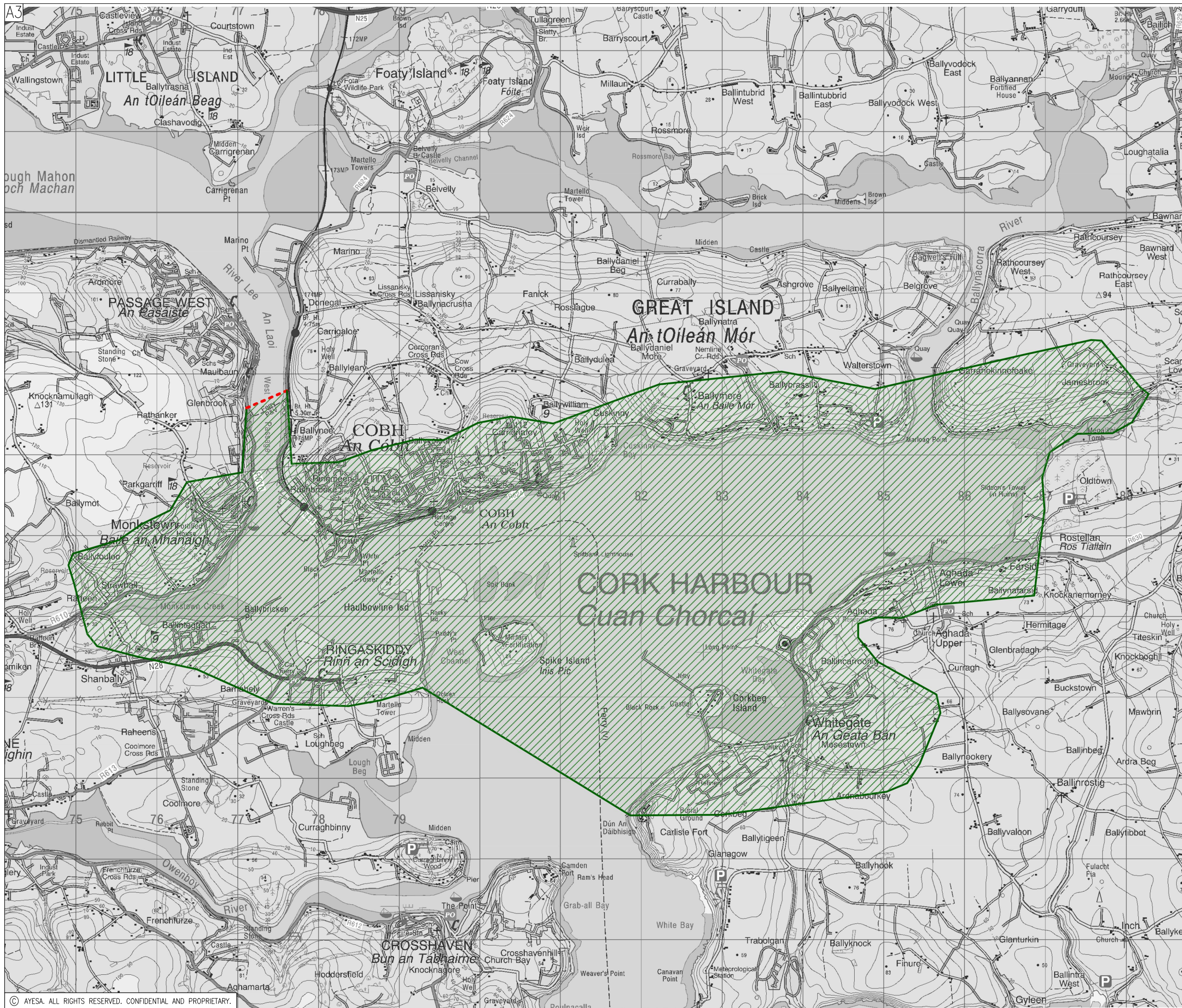
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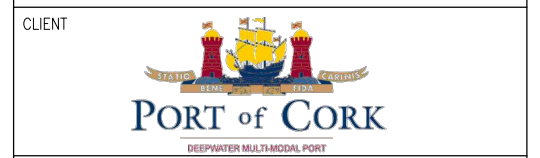
DRAWING TITLE
 Images of the Inter-tidal/ Dive Survey at Paddy's Point.

Date: 31/10/24	Scale: N.T.S.	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 6.14			Rev: 00



Legend

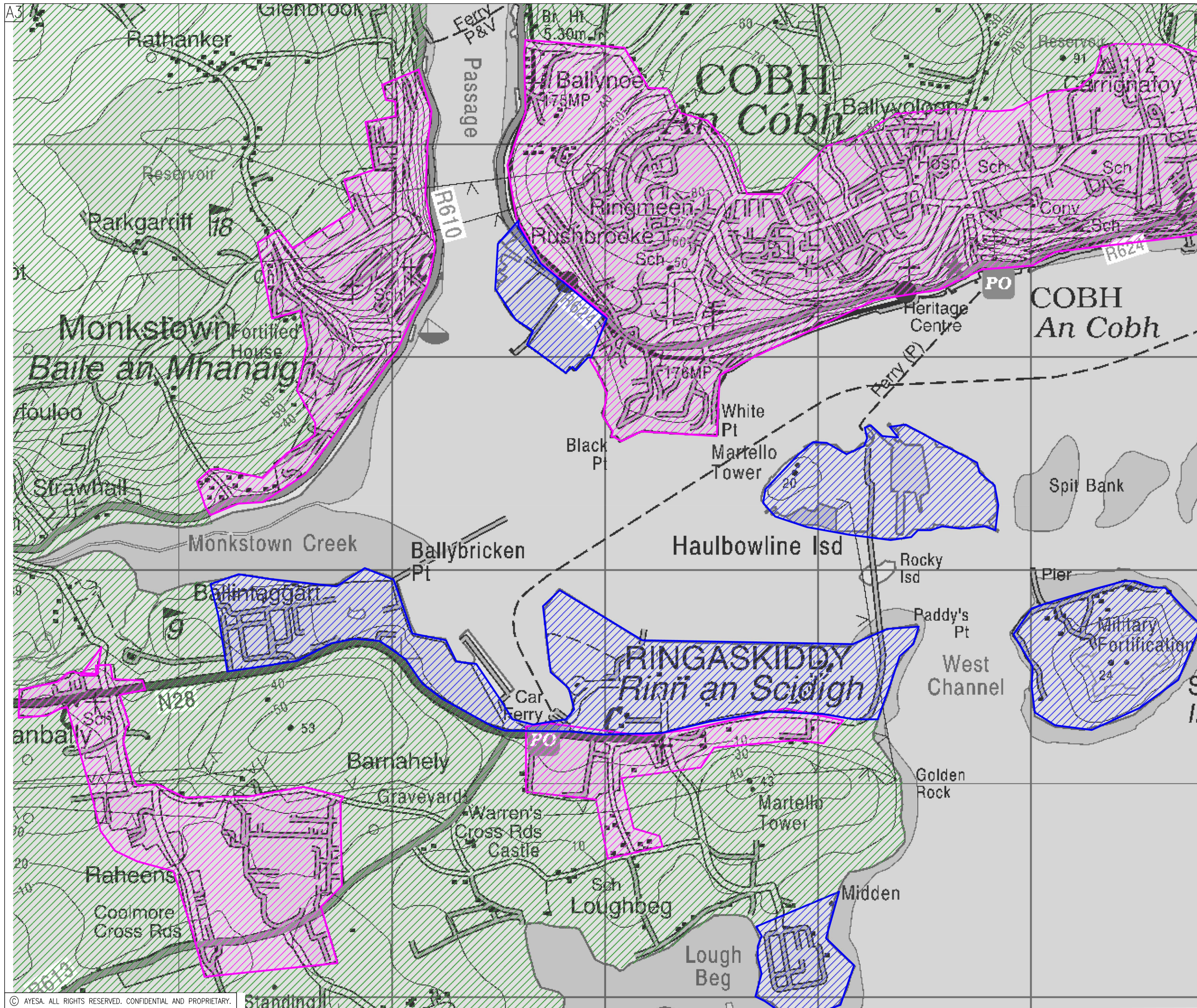
- Zone of Visual Influence
- Intermediate Horizon



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 PROJECT
 Ringaskiddy Port Redevelopment

DRAWING TITLE
 Zone of Visual Influence

STATUS	FOR INFORMATION				SUITABILITY	-
Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM	App: LM		
Project No: M1099	Figure No: 7.1			Rev: 00		



Legend

-  Undulating Agricultural Patchwork
-  Harbour Edge Town Centre & Undulating Residential Townscape
-  Estuarine Harbour-Based Industrial and Maritime Landscape

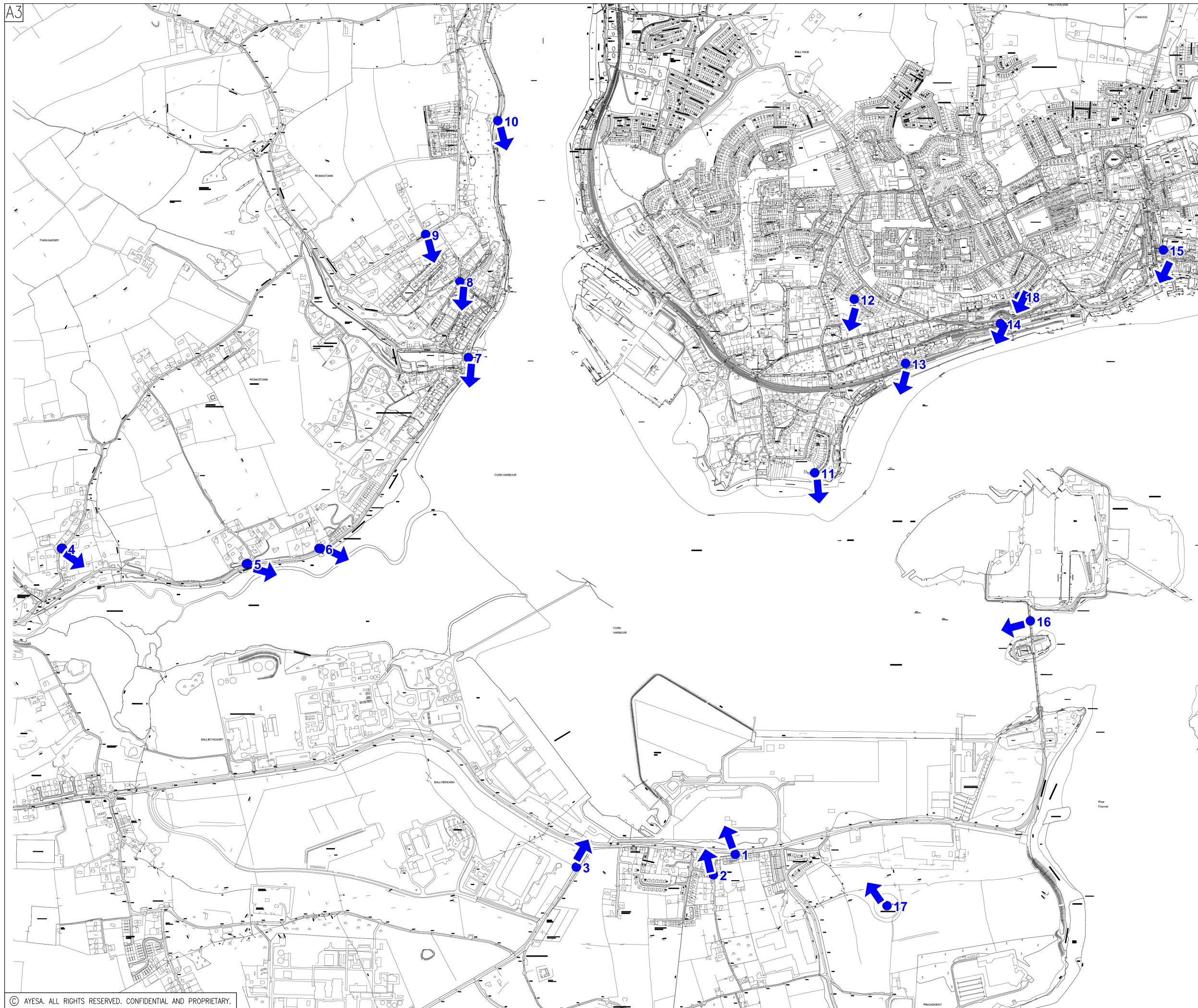


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 Ringaskiddy Port Redevelopment


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 Ringaskiddy Port Redevelopment

DRAWING TITLE
 Landscape Character Areas

STATUS	FOR INFORMATION				SUITABILITY	-
Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM	App: LM		
Project No: M1099	Figure No: 7.2				Rev: 00	



Legend

 Viewpoint Location

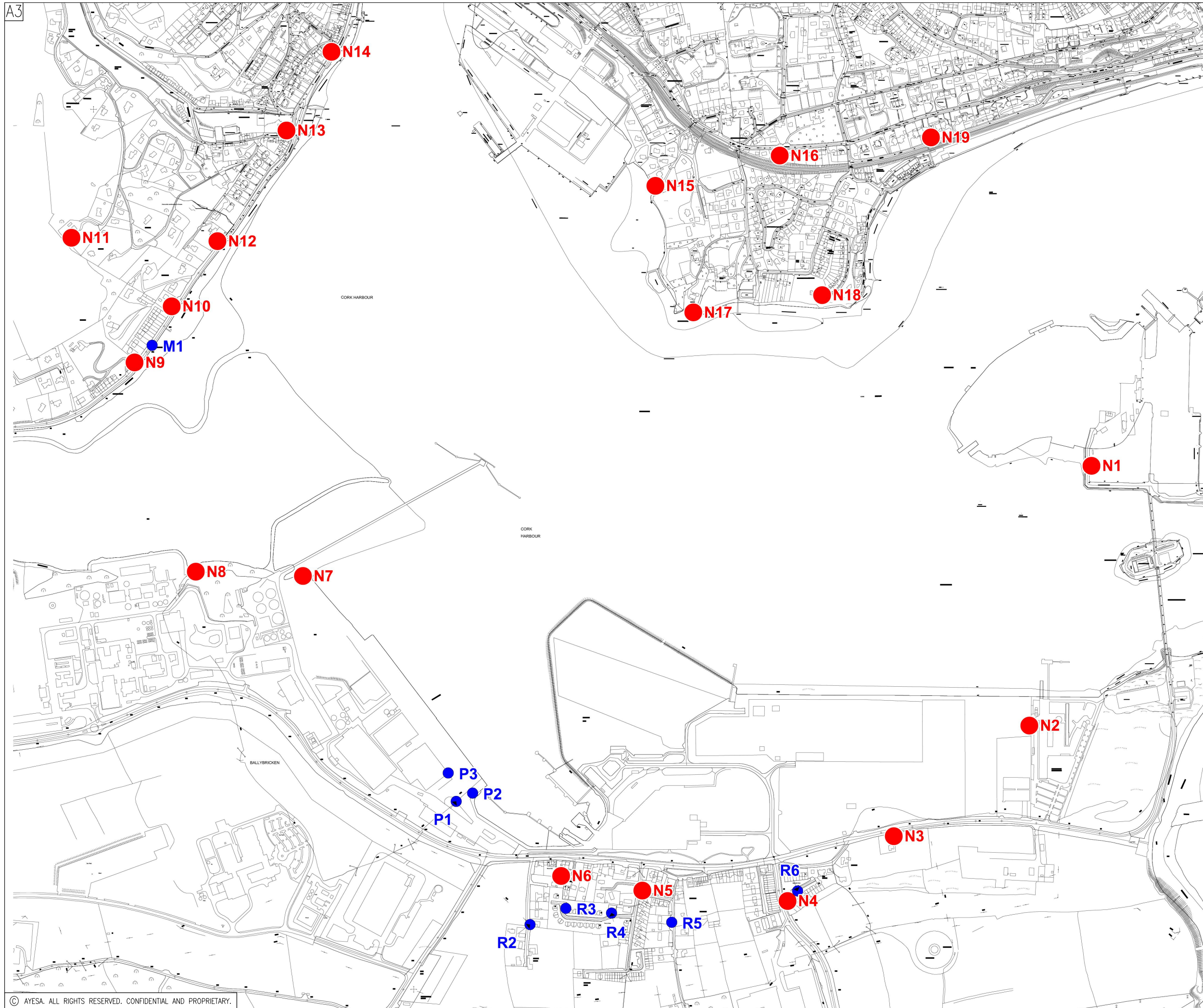


PROJECT
Ringaskiddy Port Redevelopment

DRAWING TITLE
Viewpoint Locations

STATUS	FOR INFORMATION	SUITABILITY	-
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Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 7.3			Rev: 00



Legend

- Noise Monitoring Location (Baseline Noise Survey)
- Maersk Survey

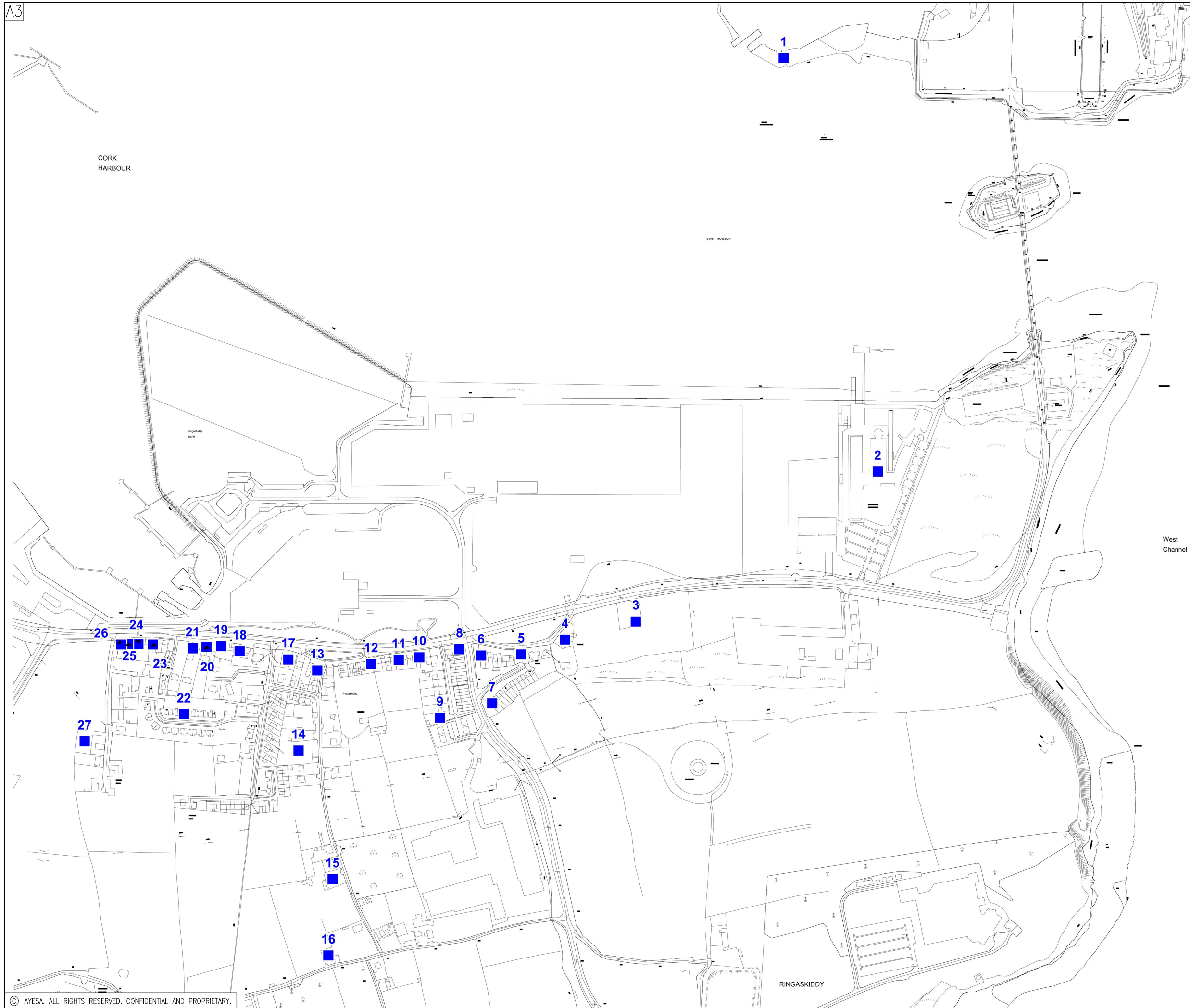


PROJECT
Ringaskiddy Port Redevelopment

DRAWING TITLE
Noise Monitoring Locations

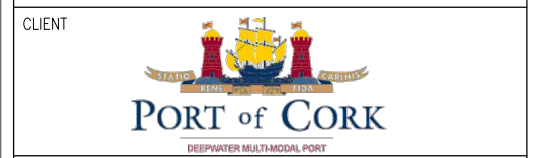
STATUS: FOR INFORMATION SUITABILITY: -

Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 9.1			Rev: 00



Legend

 Noise Modelled Location



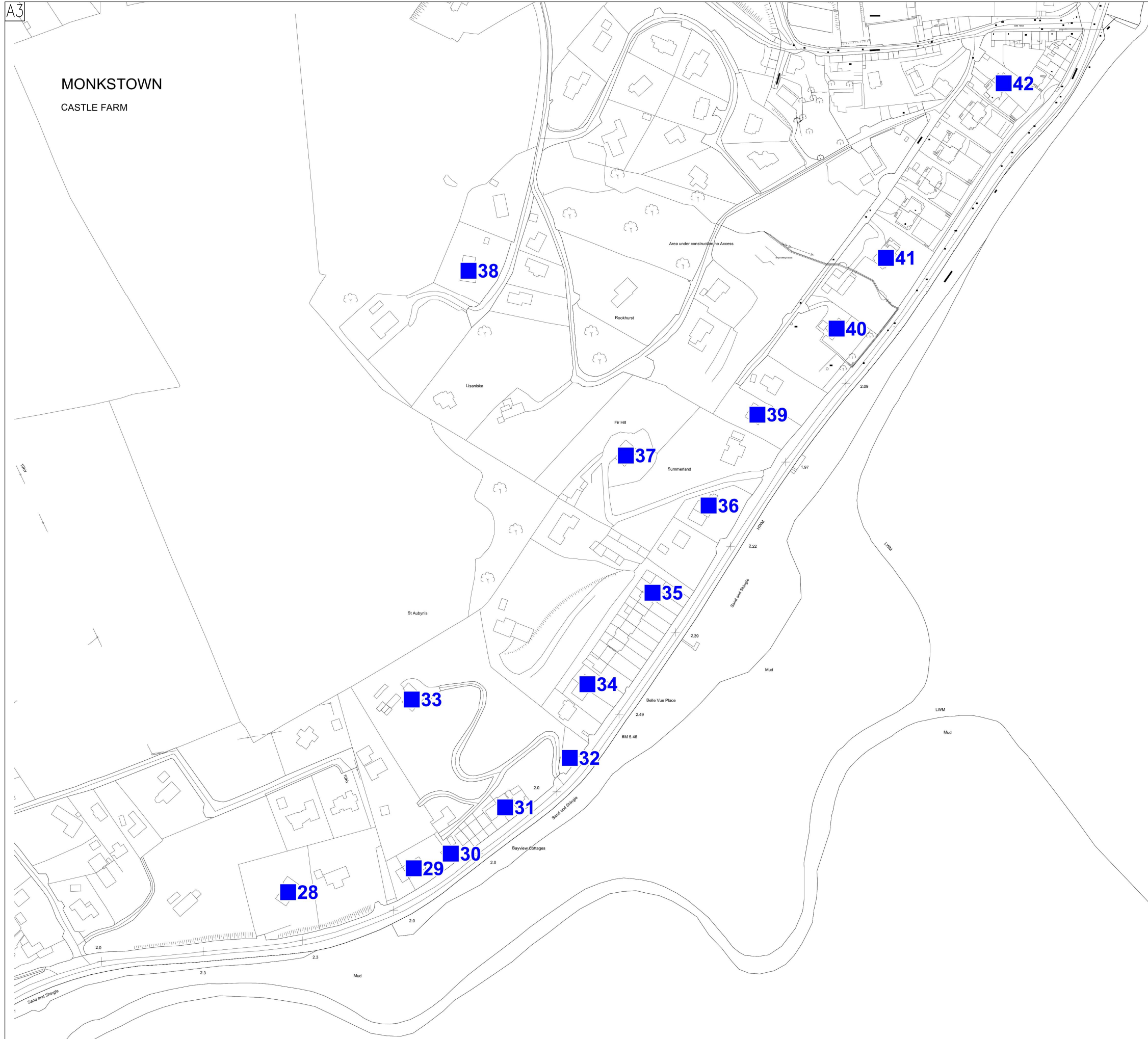
PROJECT
Ringaskiddy Port Redevelopment

DRAWING TITLE
Noise Modelled Locations,
Risgaskiddy

STATUS: FOR INFORMATION SUITABILITY: -

Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 9.2			Rev: 00

MONKSTOWN
CASTLE FARM



Legend

■ Noise Modelled Location

CORK



PROJECT
Ringaskiddy Port Redevelopment

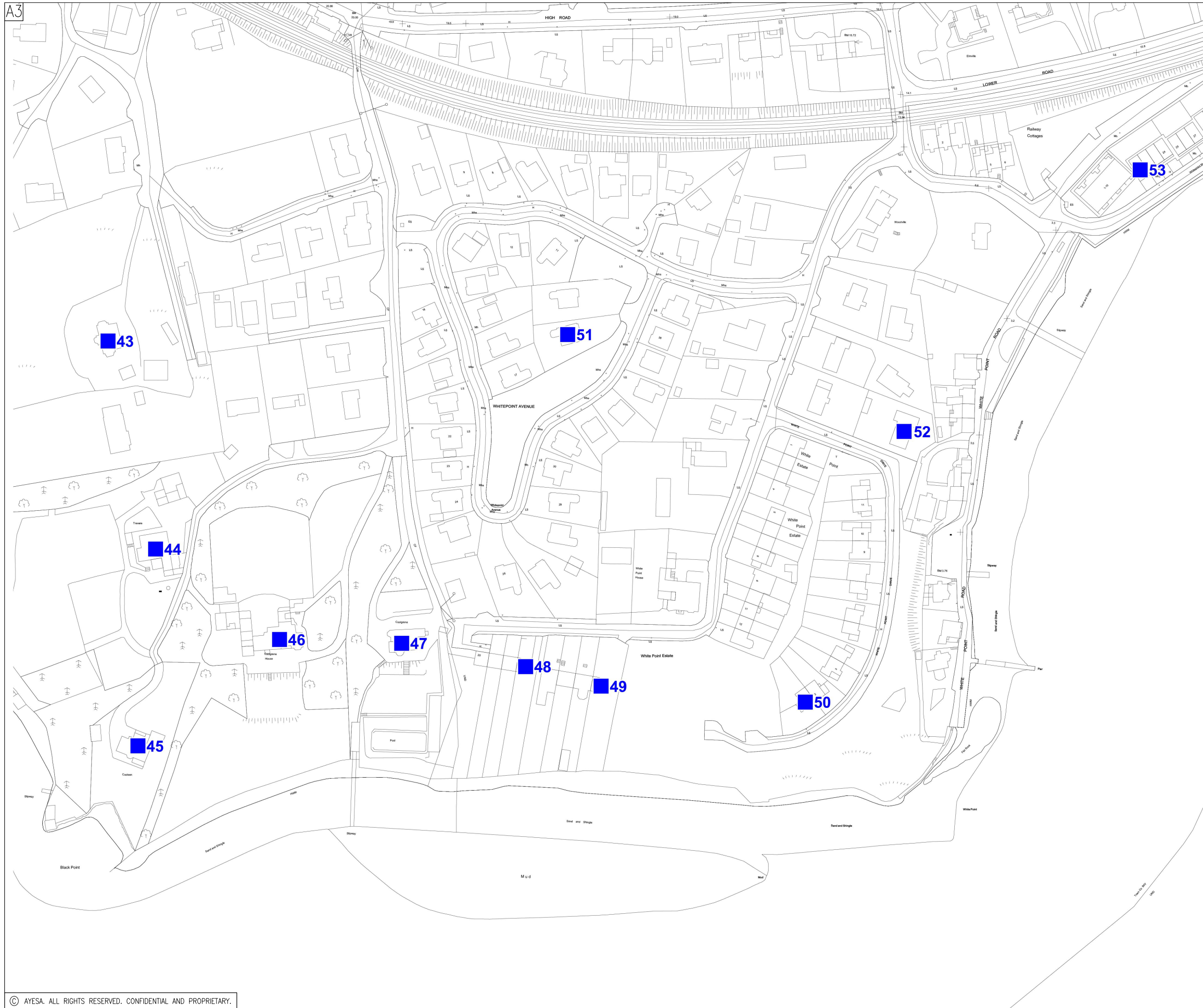
DRAWING TITLE
Noise Modelled Locations,
Monkstown

STATUS
FOR INFORMATION

SUITABILITY
-

Date: 01/11/24 Scale: N.T.S. (A3) Drawn: MON Chk: LM App: LM

Project No: M1099 Figure No: 9.3 Rev: 00



Legend

■ Noise Modelled Location



CLIENT



PROJECT

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DRAWING TITLE

Noise Modelled Locations,
Cobh

STATUS

FOR INFORMATION

SUITABILITY







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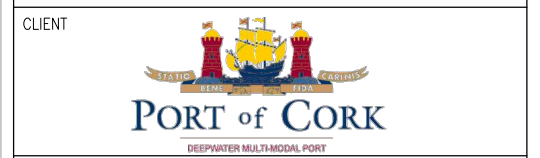
Date: 01/11/24 Scale: N.T.S. (A3) Drawn: MON Chk: LM App: LM

Project No: M1099	Figure No: 9.4	Rev: 00
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Legend

-  Urban Areas with Sensitive Receptors
-  Areas of Proposed Dredging
-  Working Area
-  Distance Bandings from Working Area
20m, 50m, 100m, 200m & 350m
-  Potential Haul Route During Construction Phase
-  Example Distances from Dredged Areas

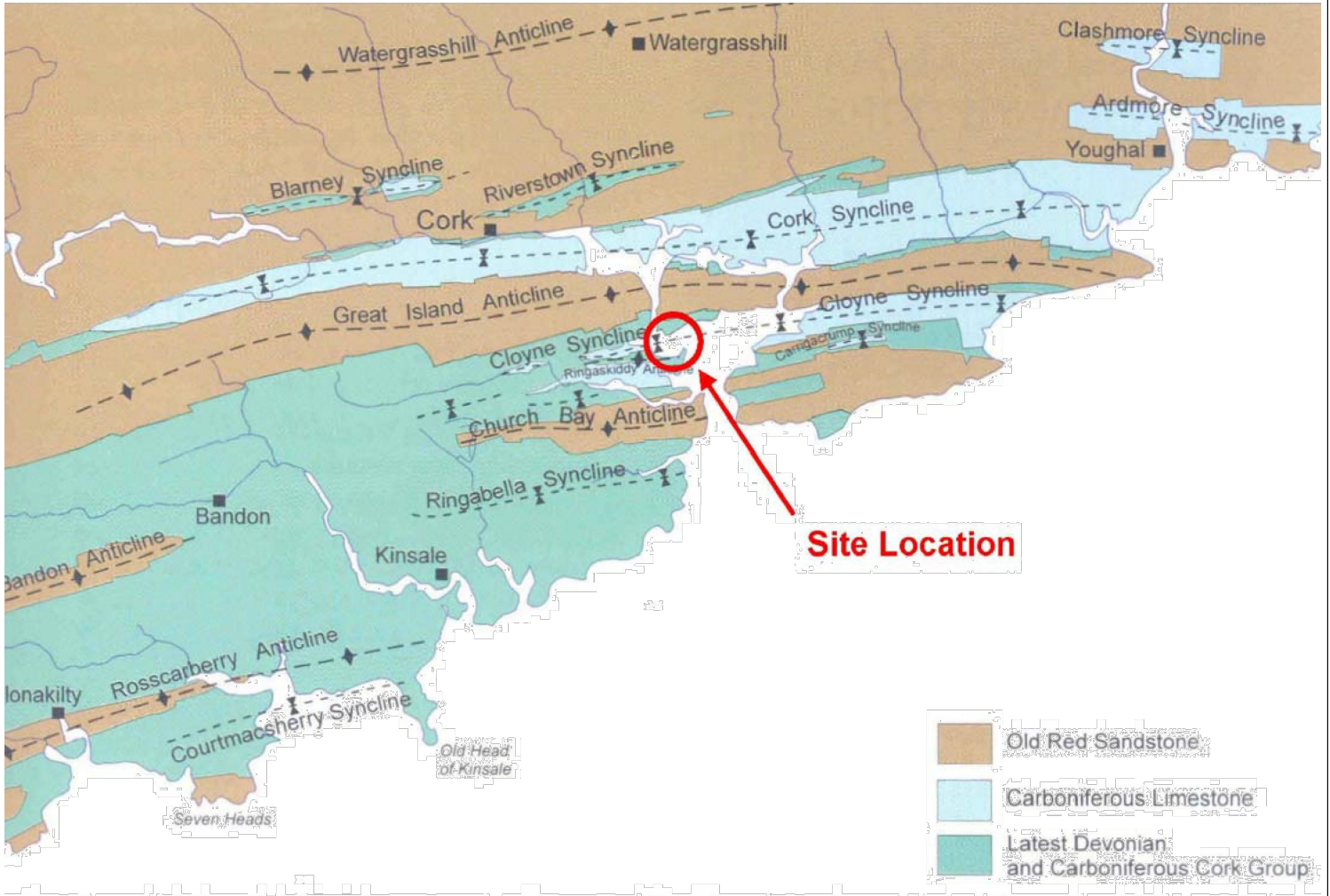


PROJECT
Ringaskiddy Port Redevelopment

DRAWING TITLE
Distance Banding

STATUS: FOR INFORMATION SUITABILITY: -

Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 10.2			Rev: 00



CLIENT

DRAWING TITLE

Simplified Geology Map of Cork Harbour

Date: 01/11/24	Scale: N.T.S.	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Drg. No: 11.1			Rev: 00

PROJECT

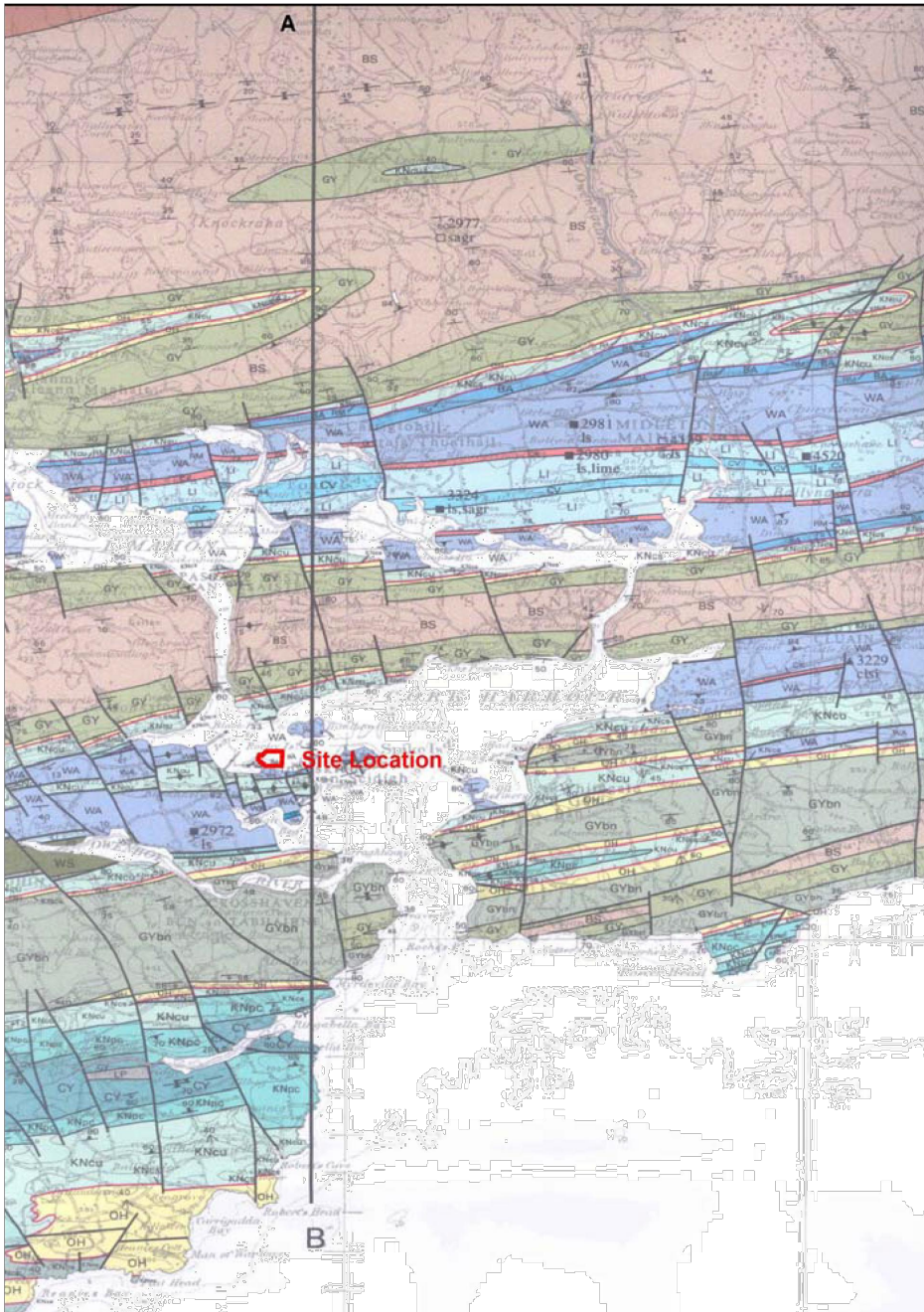
Ringaskiddy Port Redevelopment

Project No: M1099

Drg. No: 11.1

Rev: 00

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CLIENT



DRAWING TITLE

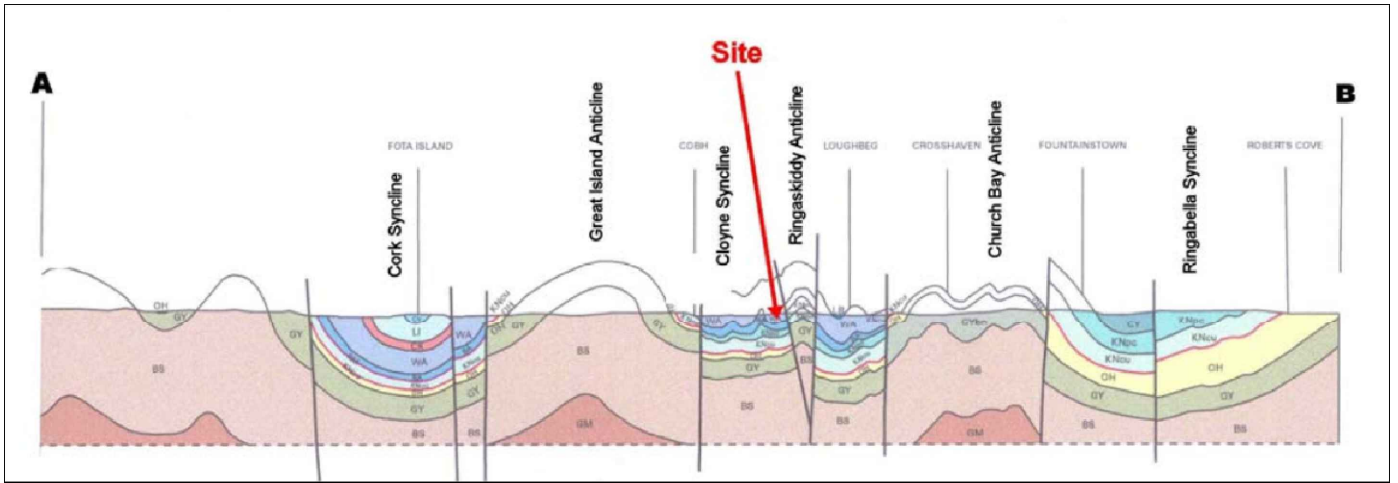
Extract from GSI sheet 25



PROJECT
Ringaskiddy Port Redevelopment

Date: 01/11/24	Scale: N.T.S.	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Drg. No: 11.2			Rev: 00

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DRAWING TITLE
 Geological Cross Section

Date: 01/11/24	Scale: N.T.S.	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Drng. No: 11.3			Rev: 00



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Map Legend

- National Draft Bedrock Aquifer Map**
- RF - Regionally Important Aquifer - Fissured bedrock
 - Rk - Regionally Important Aquifer - Karstified
 - Rkd - Regionally Important Aquifer - Karstified (diffuse)
 - Rkc - Regionally Important Aquifer - Karstified (conduit)
 - Lm - Locally Important Aquifer - Bedrock which is Generally Moderately Productive
 - Lk - Locally Important Aquifer - Karstified
 - Ll - Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones
 - Pl - Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones
 - Pu - Poor Aquifer - Bedrock which is Generally Unproductive
 - Unclassified
 - Irish National Seabed Survey Zones (50m-5000m)
 - Irish Designated Seabed Zone
 - — — — — Bathymetry




--- Site Location

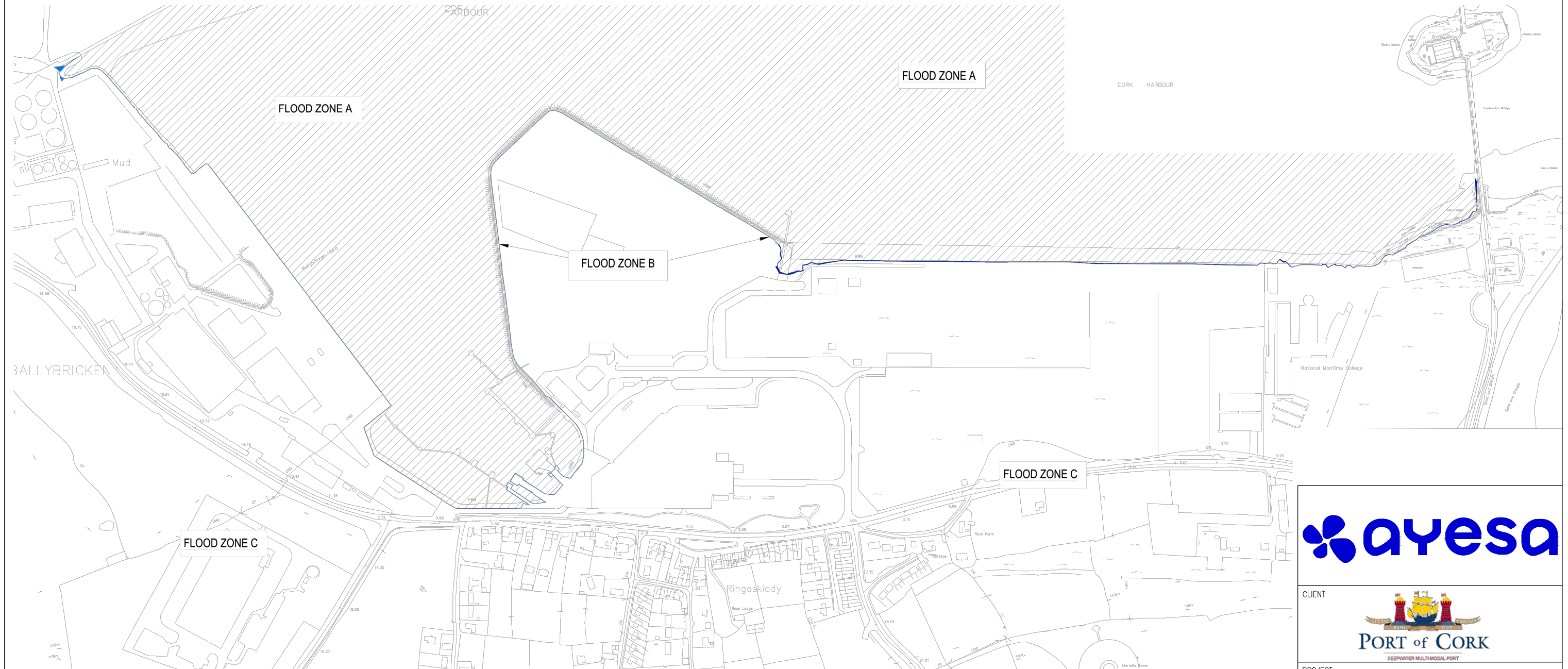
 PORT of CORK <small>DESIGNATED MULTIMODAL PORT</small>	DRAWING TITLE Aquifer Classification				
	Date: 01/11/24	Scale: N.T.S.	Drawn: MON	Chk: LM	App: LM
PROJECT Ringaskiddy Port Redevelopment	Project No: M1099	Drg. No: 11.4		Rev: 00	



NOTES

LEGEND

-  FLOOD ZONE A - < 2.73m
-  FLOOD ZONE B - 2.73m to 2.88m
-  FLOOD ZONE C - > 2.88m



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DRAWING TITLE

Flood Zone A, B and C

STATUS

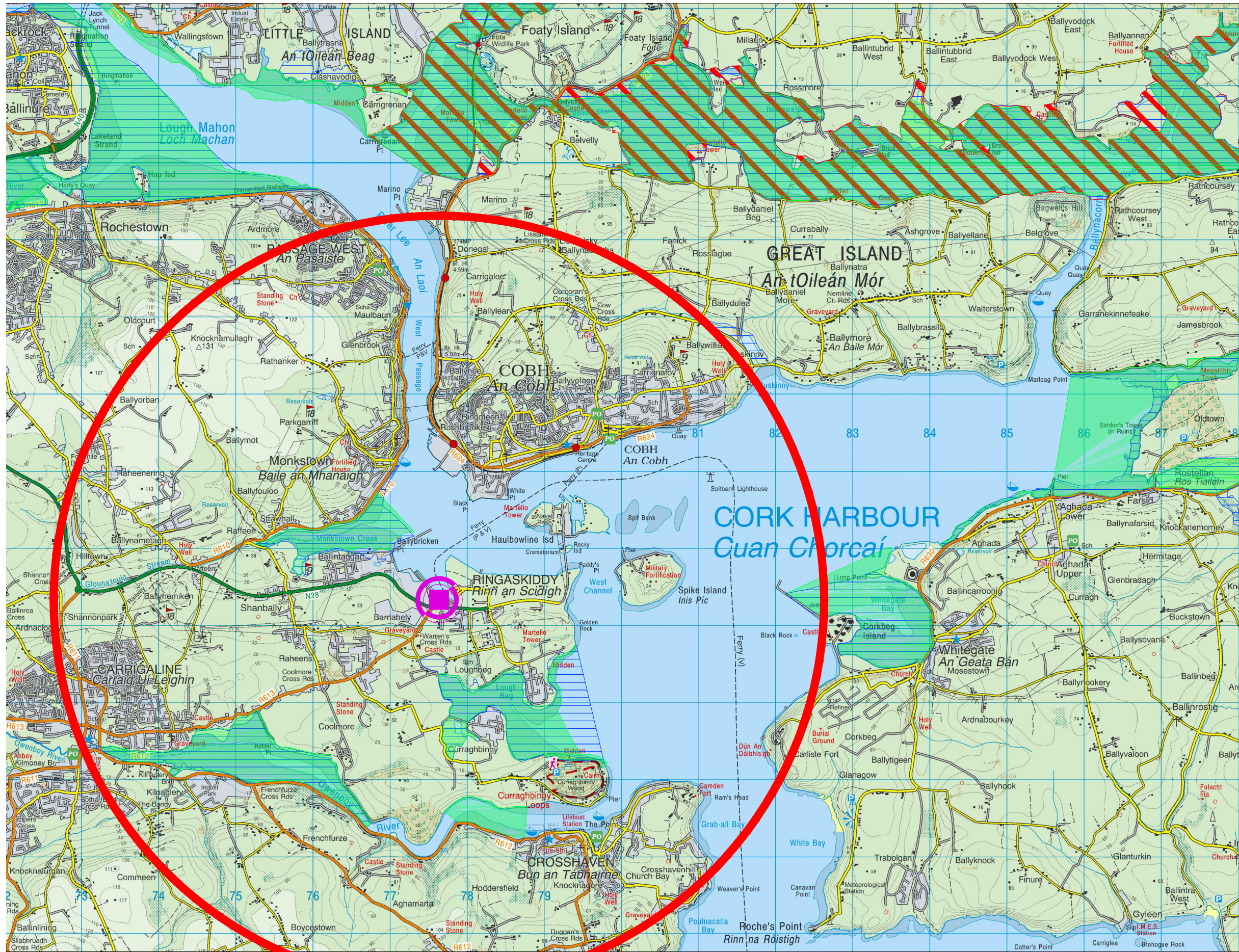
FOR INFORMATION

SUITABILITY

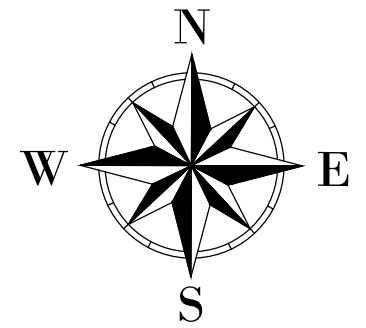
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Date: 01/11/24 Scale: N.T.S. (A3) Drawn: MON Chk: LM App: LM

Project No: M1099 Figure No: 13.7 Rev: 00



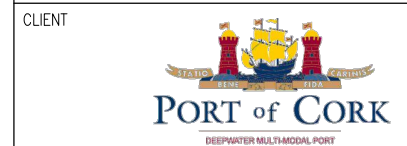
GENERAL NOTES



LEGEND:

-  pNHAs
-  SPECIAL PROTECTION AREAS (SPAs)
-  SPECIAL AREAS OF CONSERVATION (SACs)
-  SITE LOCATION
-  5km Study Area Buffer

Rev	Date	Description	By	Chk	App

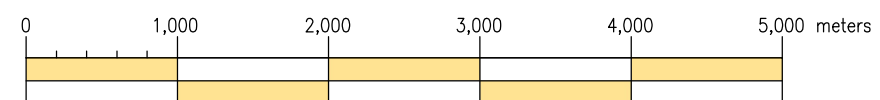


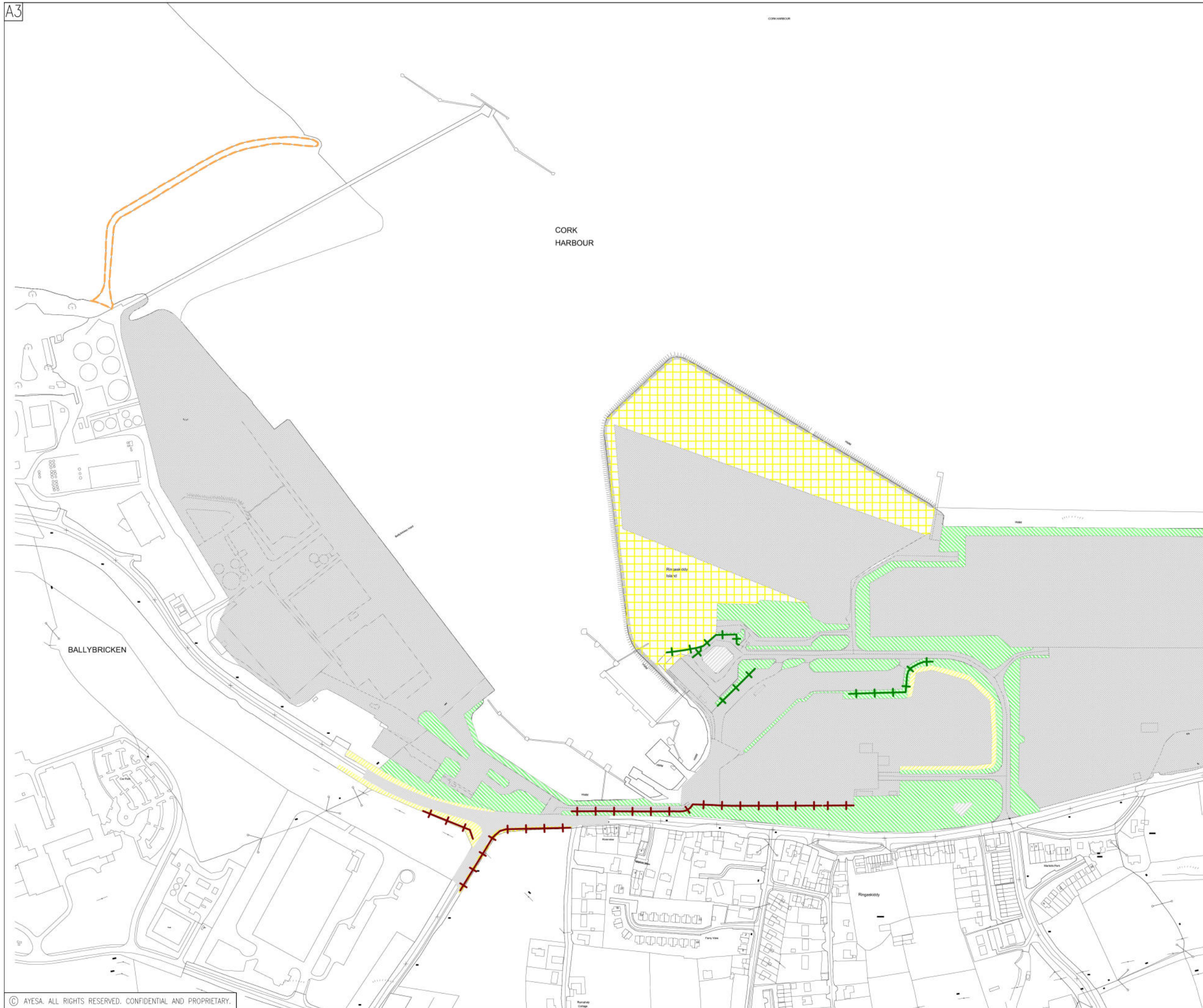
PROJECT
Ringaskiddy Port Redevelopment

DRAWING TITLE
RINGASKIDDY DESIGNATED SITES










STATUS	INFORMATION	SUITABILITY

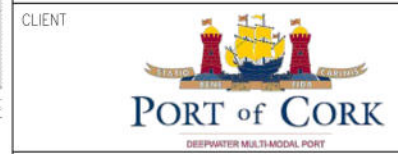
Date: 01/11/24	Scale: 1:50,000	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Drq. No: 15.1			Rev: 00





Legend

-  Dry calcareous/neutral grassland (GS1) with gorse scrub (WS1)
-  Recolonising bare ground (ED3) with spoil (ED2) and willow scrub (WS1)
-  Grassy verges (GS2)
-  Buildings & artificial surfaces (BL3)
-  Scattered trees/parkland (WD5) with amenity grassland (GA2)
-  Flower beds & borders (BC4)
-  Sea wall (CC1)
-  Hedgerow (WL1)
-  Tree line (WL2)

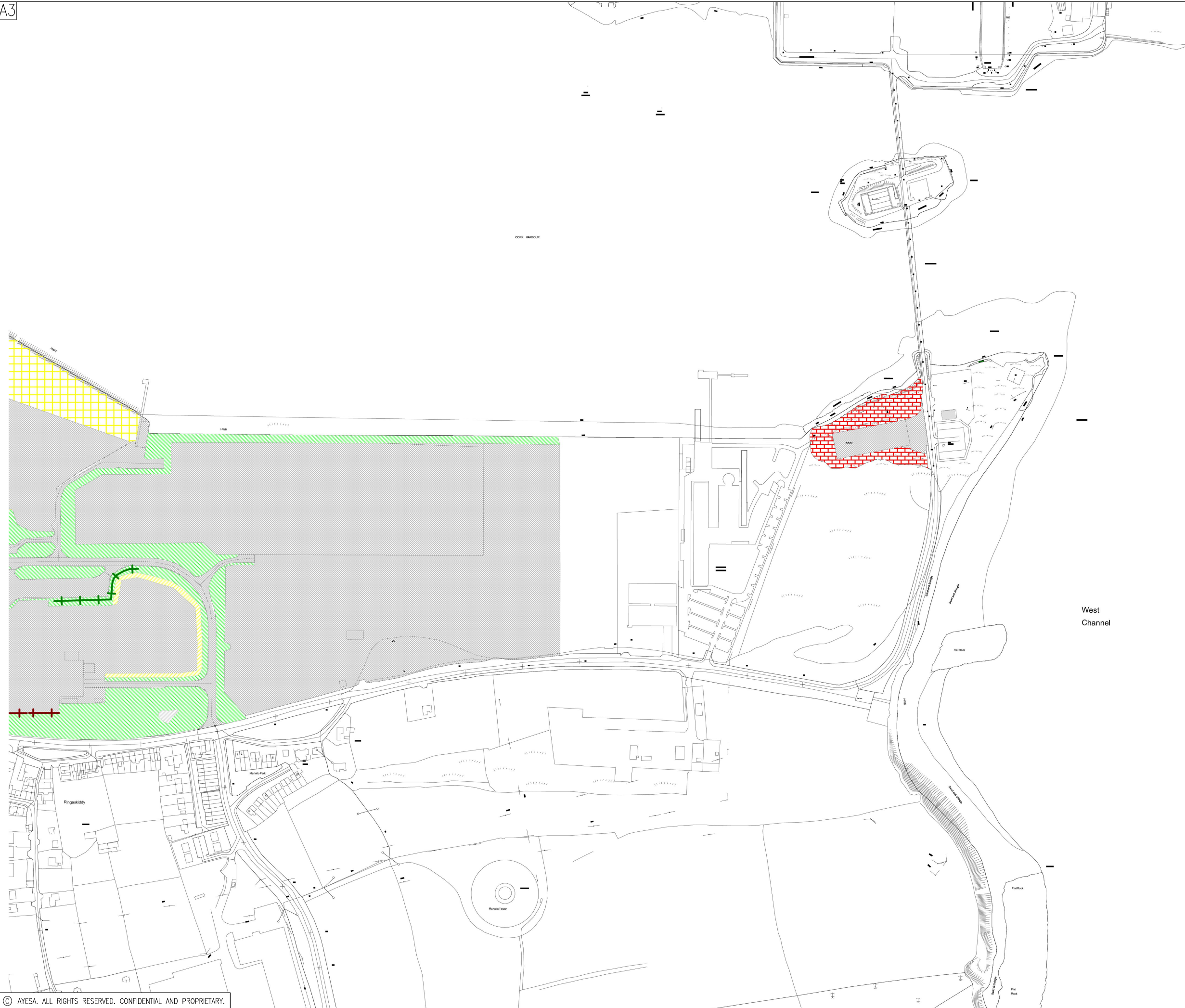


PROJECT
Ringaskiddy Port Redevelopment










DRAWING TITLE
Habitat Survey Results 2014

STATUS **FOR INFORMATION** SUITABILITY -

Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure: No: 15.2a			Rev: 00



Legend

-  Dry calcareous/neutral grassland (GS1) with gorse scrub (WS1)
-  Recolonising bare ground (ED3) with spoil (ED2) and willow scrub (WS1)
-  Grassy verges (GS2)
-  Buildings & artificial surfaces (BL3)
-  Scattered trees/parkland (WD5) with amenity grassland (GA2)
-  Flower beds & borders (BC4)
-  Sea wall (CC1)
-  Hedgerow (WL1)
-  Tree line (WL2)




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 PROJECT
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DRAWING TITLE
 Habitat Survey Results 2014

STATUS				FOR INFORMATION	SUITABILITY
					-
Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM	App: LM	
Project No: M1099	Figure: No: 15.2b			Rev: 00	



Legend

 Breeding Bird Survey Study Area

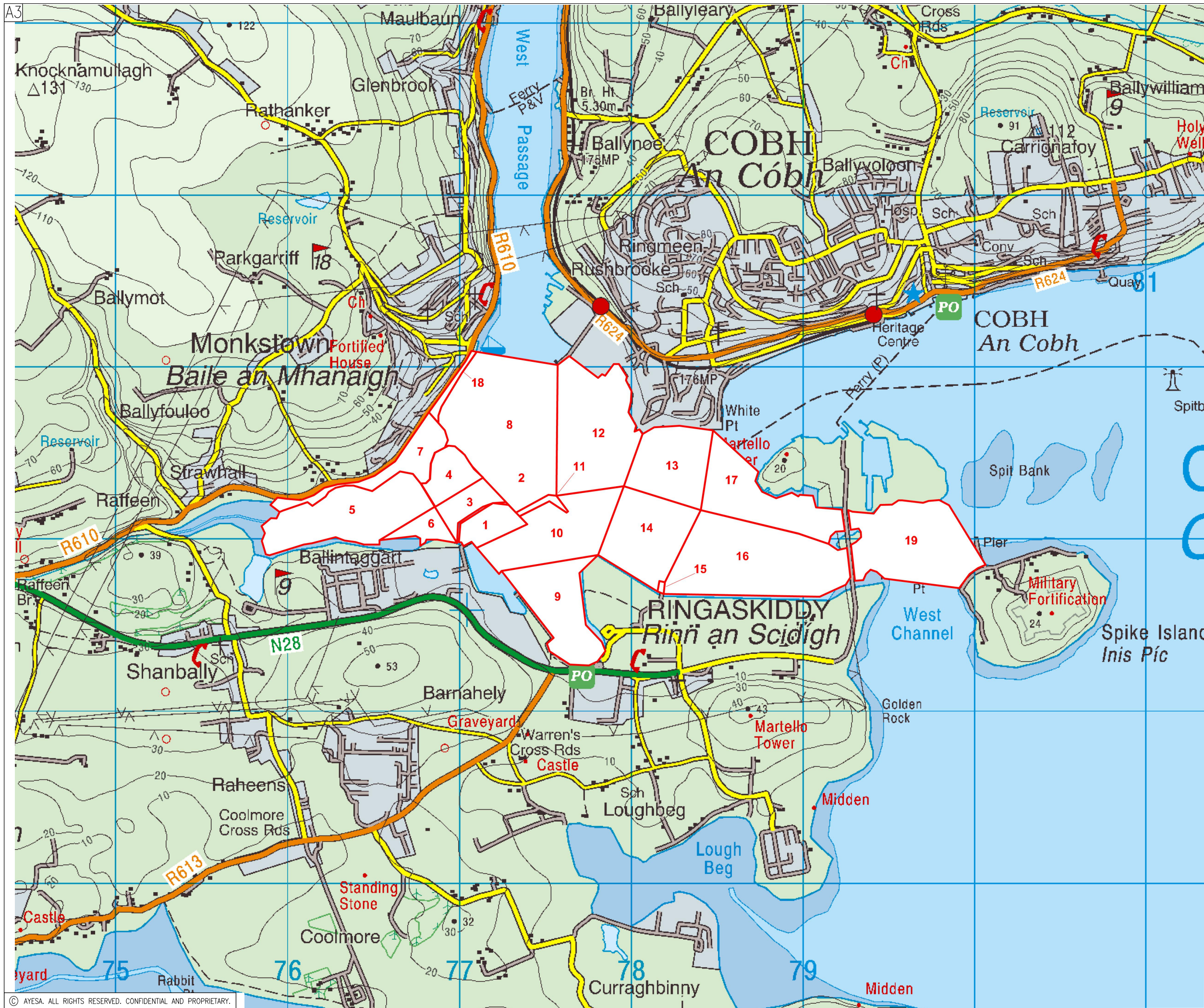


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PROJECT
Breeding Bird Survey Study Area


STATUS
FOR INFORMATION


Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure No: 15.3a			Rev: 00



Legend

1 Winterring Wetland Bird Survey Study Area



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 DEEPWATER MULTIMODAL PORT

PROJECT
 Ringaskiddy Port Redevelopment

DRAWING TITLE
 Winterring Wetland Bird Survey Study Area

STATUS	FOR INFORMATION	SUITABILITY	-
Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM
Project No: M1099	Figure: No: 15.3b	App: LM	Rev: 00



Legend

- A Breeding Wetland Bird Survey Study Area
- Vantage Point
- Former Common Tern Breeding Colony
- Common Tern Breeding Colony
- Common Tern Favoured Feeding Area
- Common Tern Possible Additional Feeding Area



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PROJECT
Breeding Wetland Bird Survey Study Area

STATUS
FOR INFORMATION

Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure: No: 15.3c			Rev: 00



Legend

-  Vantage Point
-  Cormorant Pre-Roost & Roost Areas.



PROJECT
Ringaskiddy Port Redevelopment

DRAWING TITLE
Night Roosting Cormorant Study Area

STATUS FOR INFORMATION SUITABILITY -

Date: 01/11/24	Scale: N.T.S. (A3)	Drawn: MON	Chk: LM	App: LM
Project No: M1099	Figure: No: 15.3d			Rev: 00