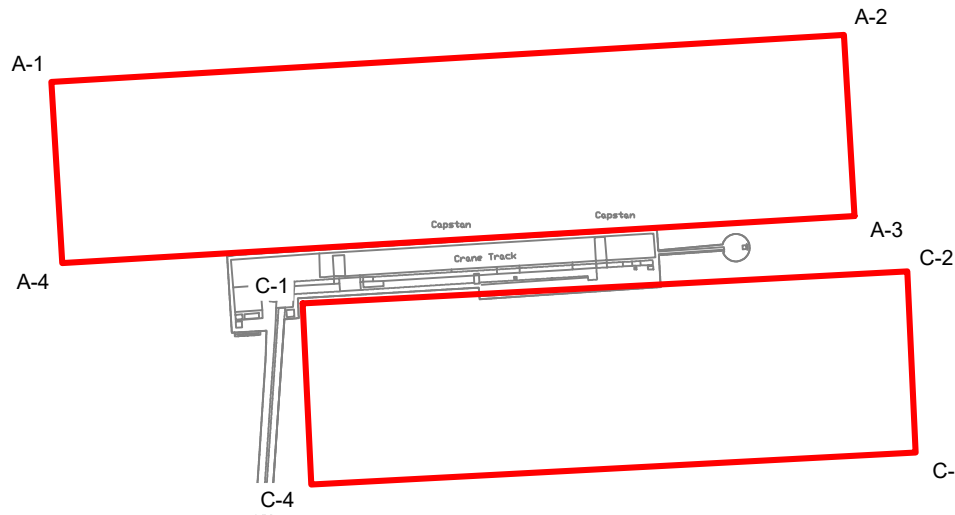


LEGEND:

 Licence Area

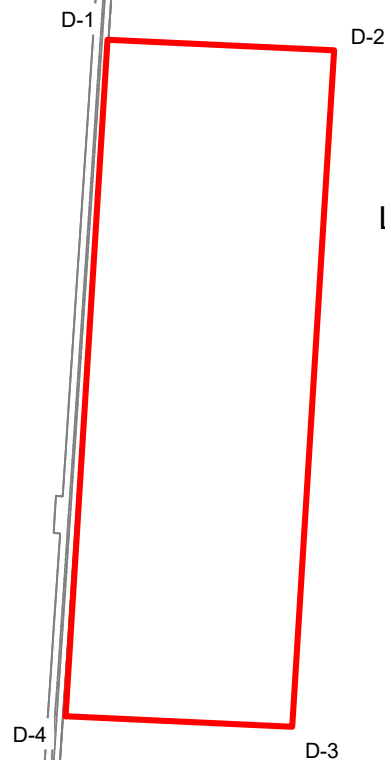
Licence Area A
(6.3ha)



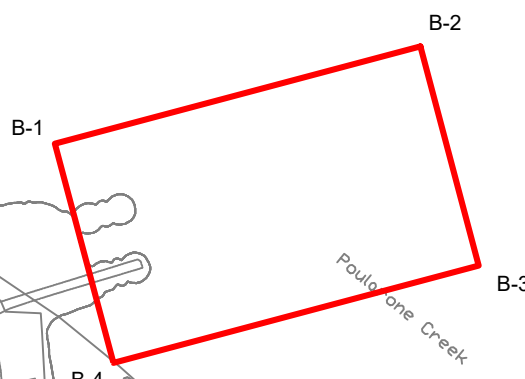
Licence Area C
(4.80ha)

River Shannon

Licence Area D
(6.72ha)

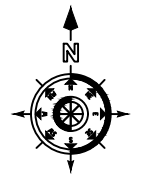


Licence Area B
(3.75ha)



Aughinish Point
LWM

Licence Area	Node	ITM (Easting)	ITM (Northing)	Longitude	Latitude
Area A	A-1	528155	655547	-9.06168	52.64636
	A-2	528679	655578	-9.05394	52.64671
	A-3	528686	655458	-9.05381	52.64563
	A-4	528162	655427	-9.06154	52.64528
Area B	B-1	528360	654553	-9.05843	52.63745
	B-2	528602	654617	-9.05487	52.63806
	B-3	528641	654472	-9.05427	52.63677
	B-4	528399	654408	-9.05782	52.63616
Area C	C-1	528321	655400	-9.05919	52.64506
	C-2	528721	655421	-9.05329	52.64531
	C-3	528727	655301	-9.05318	52.64423
	C-4	528327	655280	-9.05908	52.64399
Area D	D-1	528291	655136	-9.05957	52.64269
	D-2	528441	655129	-9.05736	52.64264
	D-3	528414	654681	-9.05767	52.63862
	D-4	528264	654688	-9.05988	52.63866



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CYAL50332198.

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mwp.ie

PROJECT:



Aughinish Alumina Limited
Marine Usage Licence Application

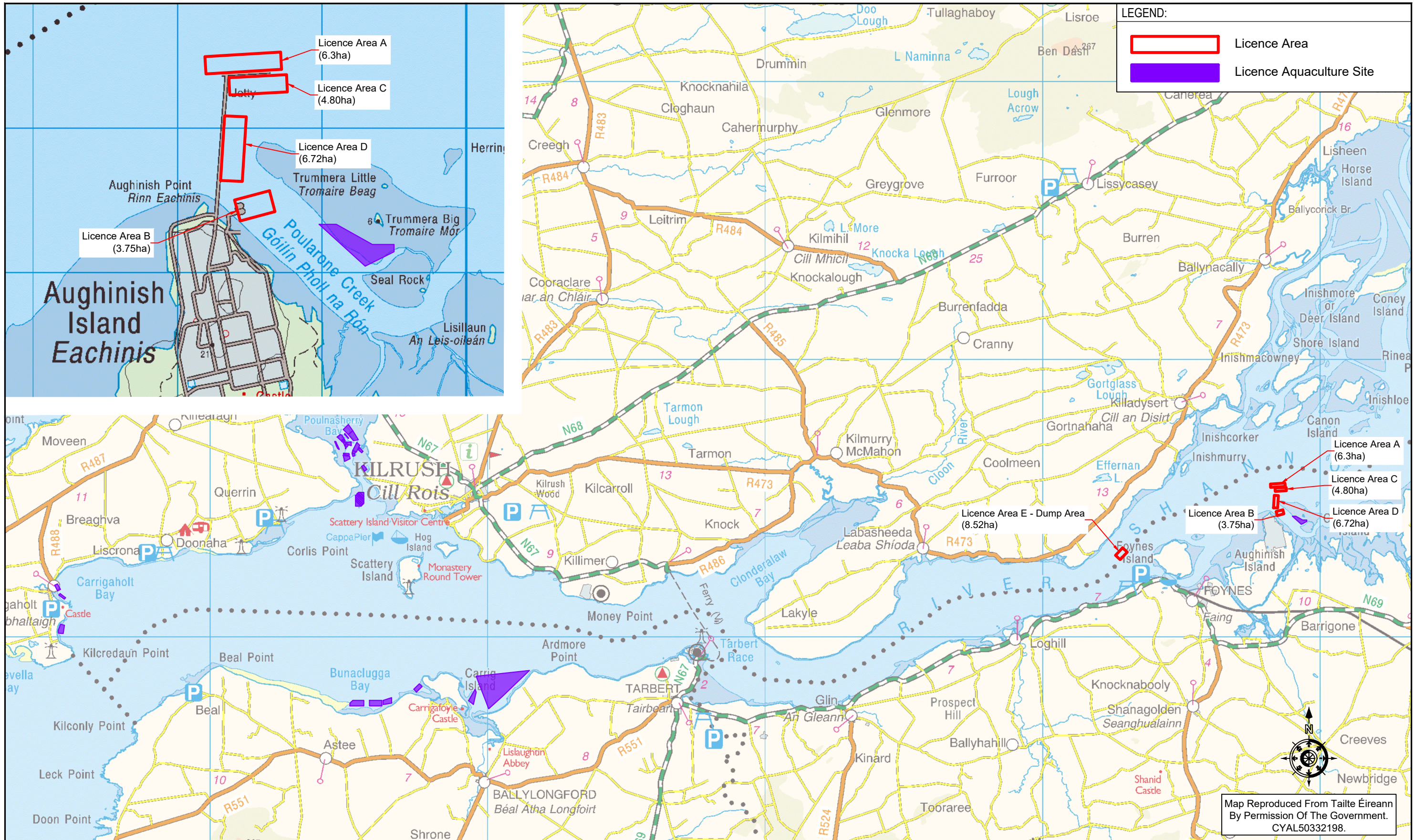
TITLE:

Licence Map 2
Dredge Sites

CLIENT

Aughinish Alumina Limited

P02	16.11.23	Issued For Information	JK	MT
P01	02.10.23	Issued For Information	JK	MT
REV	DATE	DESCRIPTION	BY	APP
DRAWN:		CHECKED:		APPROVED:
PROJECT NUMBER:	22855	DATE:	September 2023	SCALE @ A3:
STATUS DESCRIPTION			STATUS:	
FOR INFORMATION			S2	
DRAWING NUMBER:			REV:	
22855 - MWP -ML- 00 -DR-C- 0002			P02	



LEGEND:

- Licence Area
- Licence Aquaculture Site

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P01	16.11.23	Issued For Information	JK	MT	
REV	DATE	DESCRIPTION	BY	APP	
CLIENT					
Aghinish Alumina Limited					

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mwp.ie

PROJECT:

**Aghinish Alumina Limited
Marine Usage Licence Application**

TITLE:

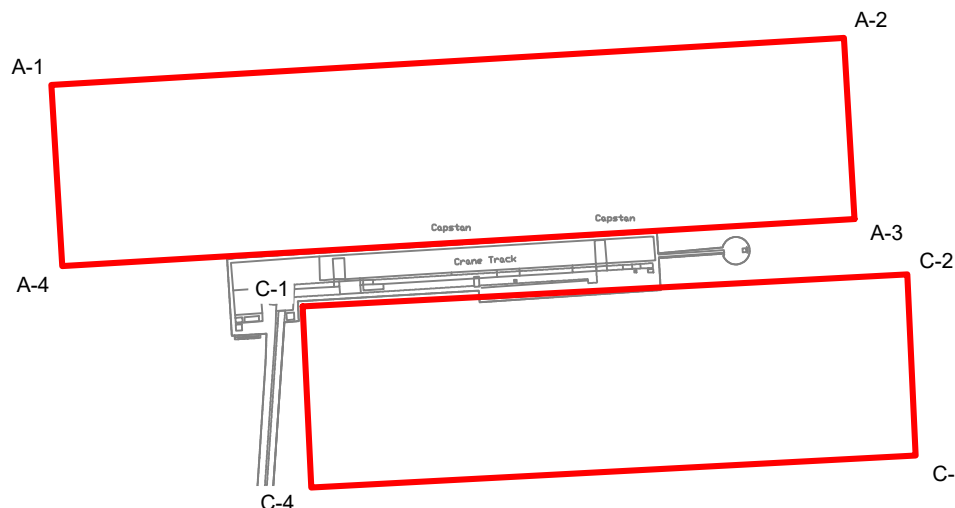
**Licence Map 10
Licence Aquaculture Sites**

DRAWN:	CHECKED:	APPROVED:
PROJECT NUMBER: 22855	DATE: November 2023	SCALE @ A3: 1:130,000 & 1:25,000
STATUS DESCRIPTION FOR INFORMATION		STATUS: S2
DRAWING NUMBER: 22855 - MWP -ML -00 -DR -C -0010		REV: P01

LEGEND:

Licence Area

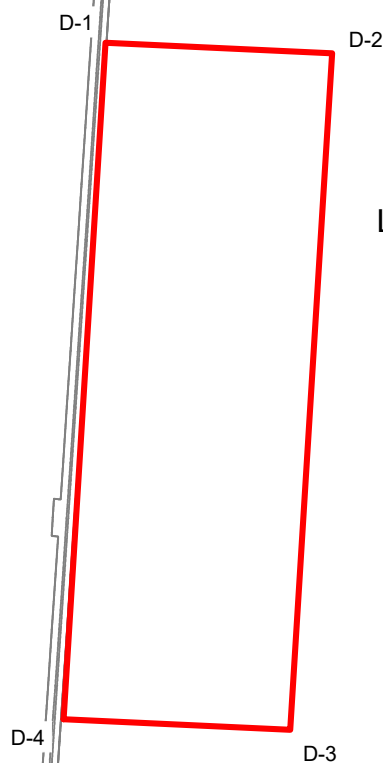
Licence Area A
(6.3ha)



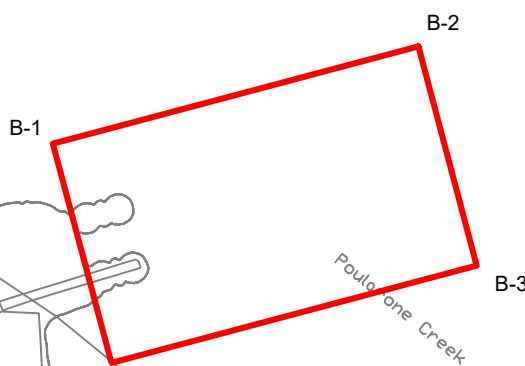
Licence Area C
(4.80ha)

River Shannon

Licence Area D
(6.72ha)



Licence Area B
(3.75ha)



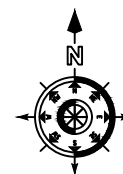
Aughinish Point

LWM

LWM

Aughinish Point

Licence Area	Node	ITM (Easting)	ITM (Northing)	Longitude	Latitude
Area A	A-1	528155	655547	-9.06168	52.64636
	A-2	528679	655578	-9.05394	52.64671
	A-3	528686	655458	-9.05381	52.64563
	A-4	528162	655427	-9.06154	52.64528
Area B	B-1	528360	654553	-9.05843	52.63745
	B-2	528602	654617	-9.05487	52.63806
	B-3	528641	654472	-9.05427	52.63677
	B-4	528399	654408	-9.05782	52.63616
Area C	C-1	528321	655400	-9.05919	52.64506
	C-2	528721	655421	-9.05329	52.64531
	C-3	528727	655301	-9.05318	52.64423
	C-4	528327	655280	-9.05908	52.64399
Area D	D-1	528291	655136	-9.05957	52.64269
	D-2	528441	655129	-9.05736	52.64264
	D-3	528414	654681	-9.05767	52.63862
	D-4	528264	654688	-9.05988	52.63866



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PROJECT:

Aughinish Alumina Limited
Marine Usage Licence Application

TITLE:


Licence Map 2
Dredge Sites

CLIENT

Aughinish Alumina Limited

P02	16.11.23	Issued For Information	JK	MT
P01	02.10.23	Issued For Information	JK	MT
REV	DATE	DESCRIPTION	BY	APP
DRAWN:	CHECKED:	APPROVED:		
PROJECT NUMBER:	DATE:	SCALE @ A3:		
22855	September 2023	1 : 5,000		
STATUS DESCRIPTION			STATUS:	
FOR INFORMATION			S2	
DRAWING NUMBER:		REV:		
22855 - MWP -ML- 00 -DR-C- 0002		P02		



LEGEND:	
	Licence Area



Licence Area E - Dump Area
(8.52ha)

Licence Area	Node	ITM (Easting)	ITM (Northing)	Longitude	Latitude
Area E	E-1	522824	653247	-9.13990	52.62497
	E-2	522991	653090	-9.13740	52.62358
	E-3	522735	652820	-9.14111	52.62111
	E-4	522569	652977	-9.14361	52.62250




REV	DATE	DESCRIPTION	BY	APP
P02	16.11.23	Issued For Information	JK	MT
P01	02.10.23	Issued For Information	JK	MT

CLIENT
Aughinish Alumina Limited



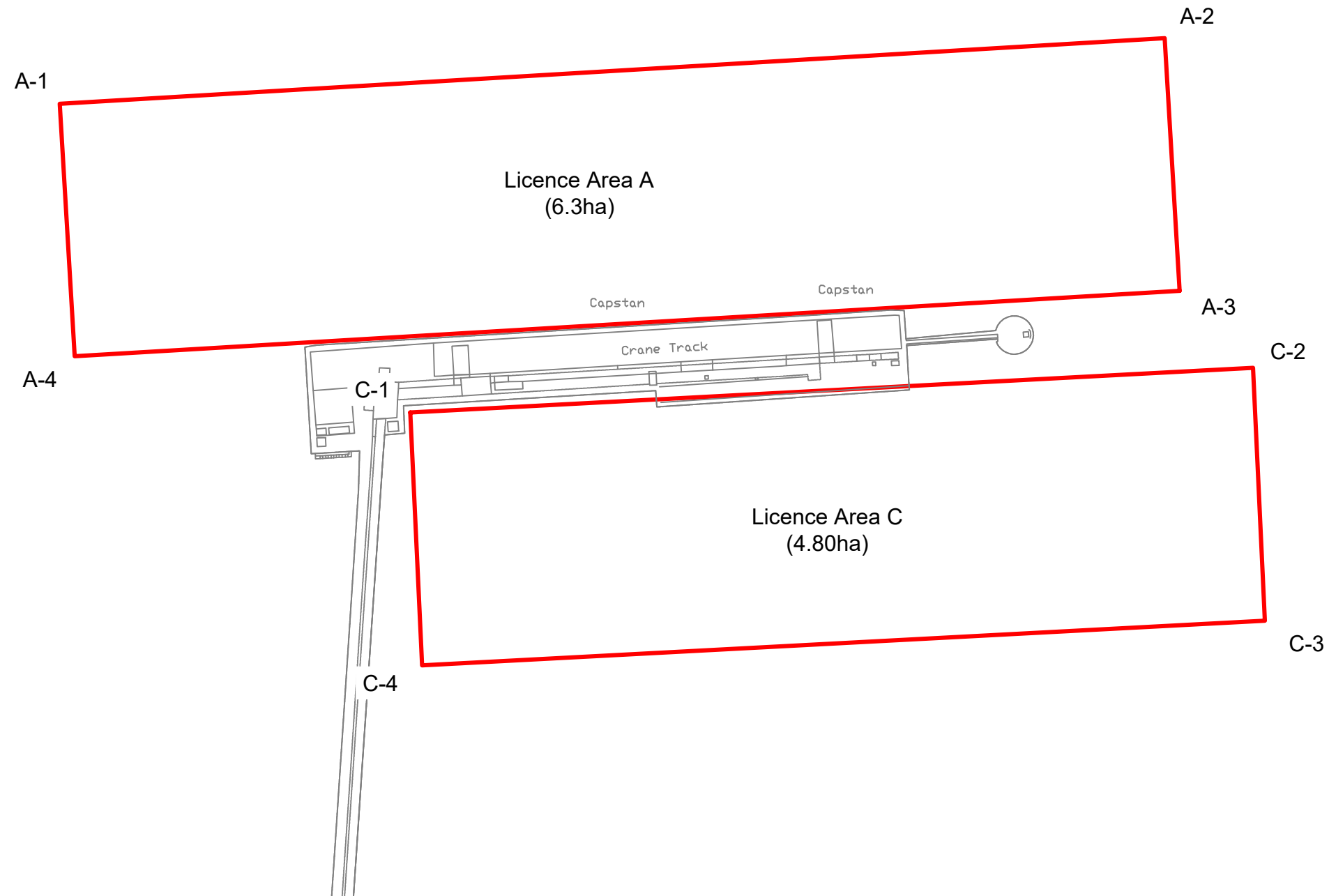
ENGINEERING AND ENVIRONMENTAL CONSULTANTS
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mwp.ie

PROJECT: Aughinish Alumina Limited Marine Usage Licence Application
TITLE: Licence Map 3 Dump Site

DRAWN: 	CHECKED: 	APPROVED: 
PROJECT NUMBER: 22855	DATE: September 2023	SCALE @ A3: 1 : 5,000
STATUS DESCRIPTION FOR INFORMATION		STATUS: S2
DRAWING NUMBER: 22855 - MWP -ML- 00 -DR-C- 0003		REV: P02

Licence Area	Node	ITM (Easting)	ITM (Northing)	Longitude	Latitude
Area A	A-1	528155	655547	-9.06168	52.64636
	A-2	528679	655578	-9.05394	52.64671
	A-3	528686	655458	-9.05381	52.64563
	A-4	528162	655427	-9.06154	52.64528
Area C	C-1	528321	655400	-9.05919	52.64506
	C-2	528721	655421	-9.05329	52.64531
	C-3	528727	655301	-9.05318	52.64423
	C-4	528327	655280	-9.05908	52.64399

LEGEND:

 Licence Area


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REV	DATE	DESCRIPTION	BY	APP
P02	16.11.23	Issued For Information	JK	MT
P01	02.10.23	Issued For Information	JK	MT




CLIENT
Aughinish Alumina Limited

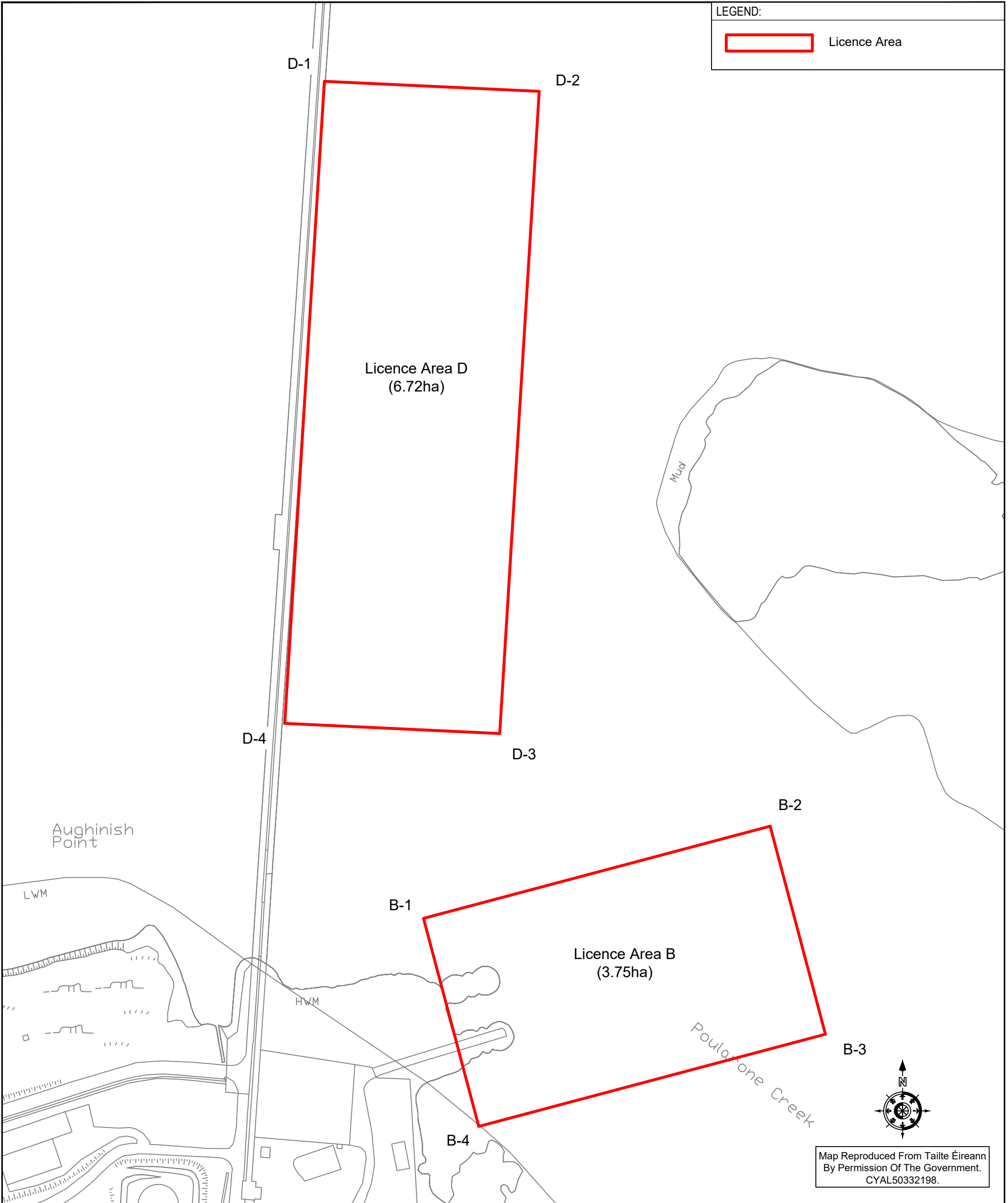


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PROJECT:
**Aughinish Alumina Limited
Marine Usage Licence Application**

TITLE:
**Licence Map 4
Areas A and C**

DRAWN: 	CHECKED: 	APPROVED: 
PROJECT NUMBER: 22855	DATE: September 2023	SCALE @ A3: 1 : 2,500
STATUS DESCRIPTION: FOR INFORMATION		STATUS: S2
DRAWING NUMBER: 22855 - MWP -ML- 00 -DR-C- 0004		REV: P02



LEGEND:



	Licence Area
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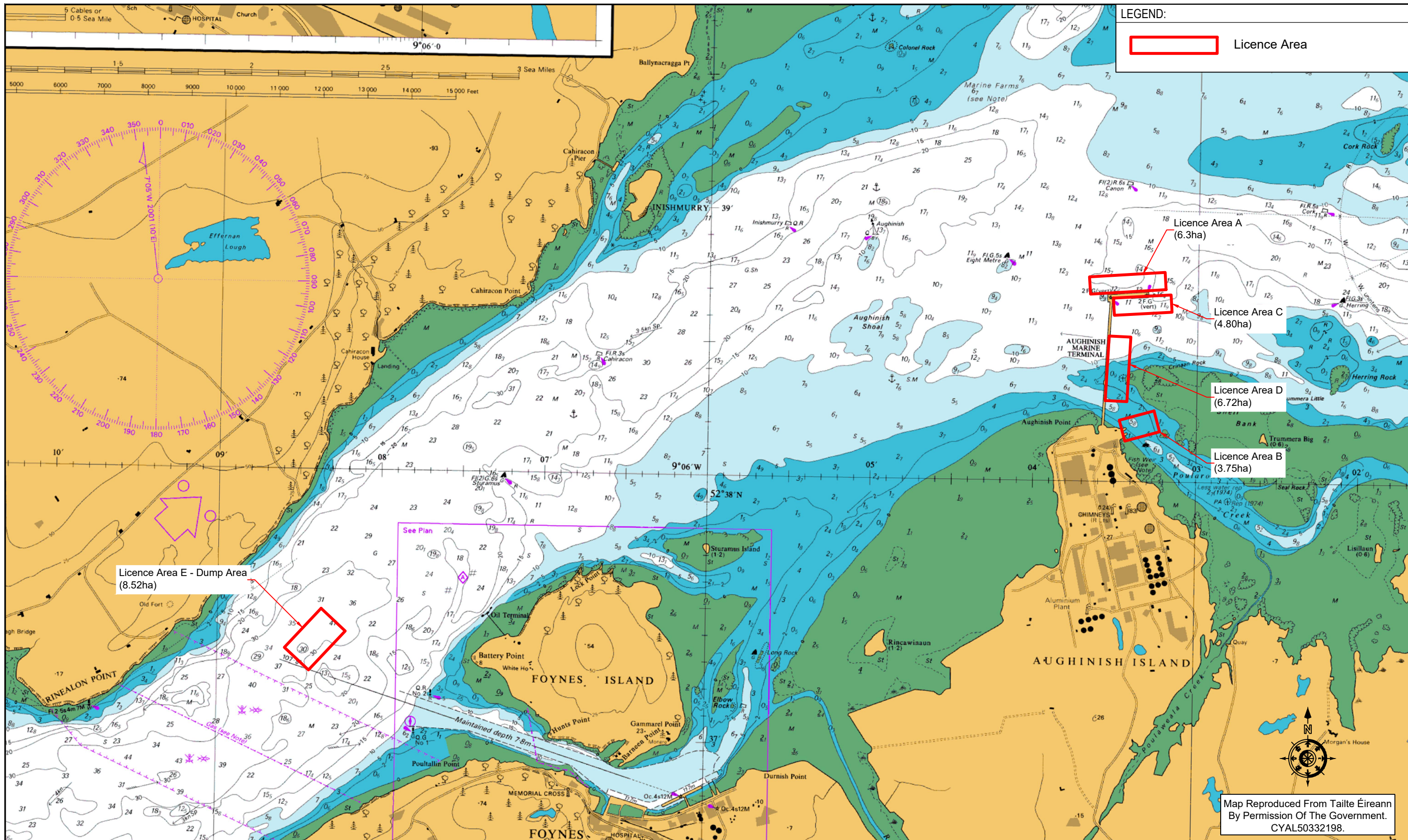
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PROJECT:	Aughinish Alumina Limited Marine Usage Licence Application
TITLE:	Licence Map 5 Areas B and D
CLIENT:	Aughinish Alumina Limited

P02	16.11.23	Issued For Information	JK	MT
P01	02.10.23	Issued For Information	JK	MT
REV	DATE	DESCRIPTION	BY	APP
DRAWN:		CHECKED:		APPROVED:
PROJECT NUMBER:	22855	DATE:	September 2023	SCALE @ A3:
STATUS DESCRIPTION			STATUS:	
FOR INFORMATION			S2	
DRAWING NUMBER:			REV:	
22855 - MWP -ML- 00 -DR-C- 0005			P02	



LEGEND:
 Licence Area

Licence Area E - Dump Area
 (8.52ha)

Licence Area A
 (6.3ha)

Licence Area C
 (4.80ha)

Licence Area D
 (6.72ha)

Licence Area B
 (3.75ha)

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 CYAL50332198.

P01	16.11.23	Issued For Information	JK	KF
REV	DATE	DESCRIPTION	BY	APP
CLIENT				
Aughinish Alumina Limited				

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PROJECT:
 Aughinish Alumina Limited
 Marine Usage Licence Application

TITLE:
 Licence Map 6
 Admiralty Chart

DRAWN: █	CHECKED: █	APPROVED: █
PROJECT NUMBER: 22855	DATE: November 2023	SCALE @ A3: 1 : 25,000
STATUS DESCRIPTION FOR INFORMATION		STATUS: S2
DRAWING NUMBER: 22855 - MWP - ML - 00 - DR - C - 0006		REV: P01

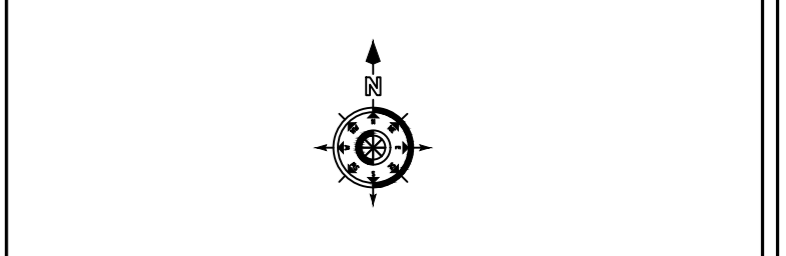



DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION. © THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

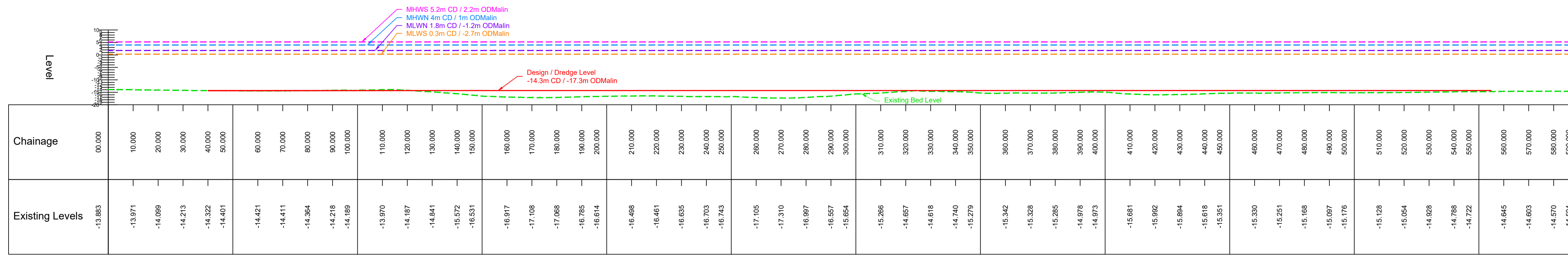
- NOTES:**
1. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND ENGINEERING DRAWINGS.
 2. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM MALIN HEAD.
 3. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
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 5. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.

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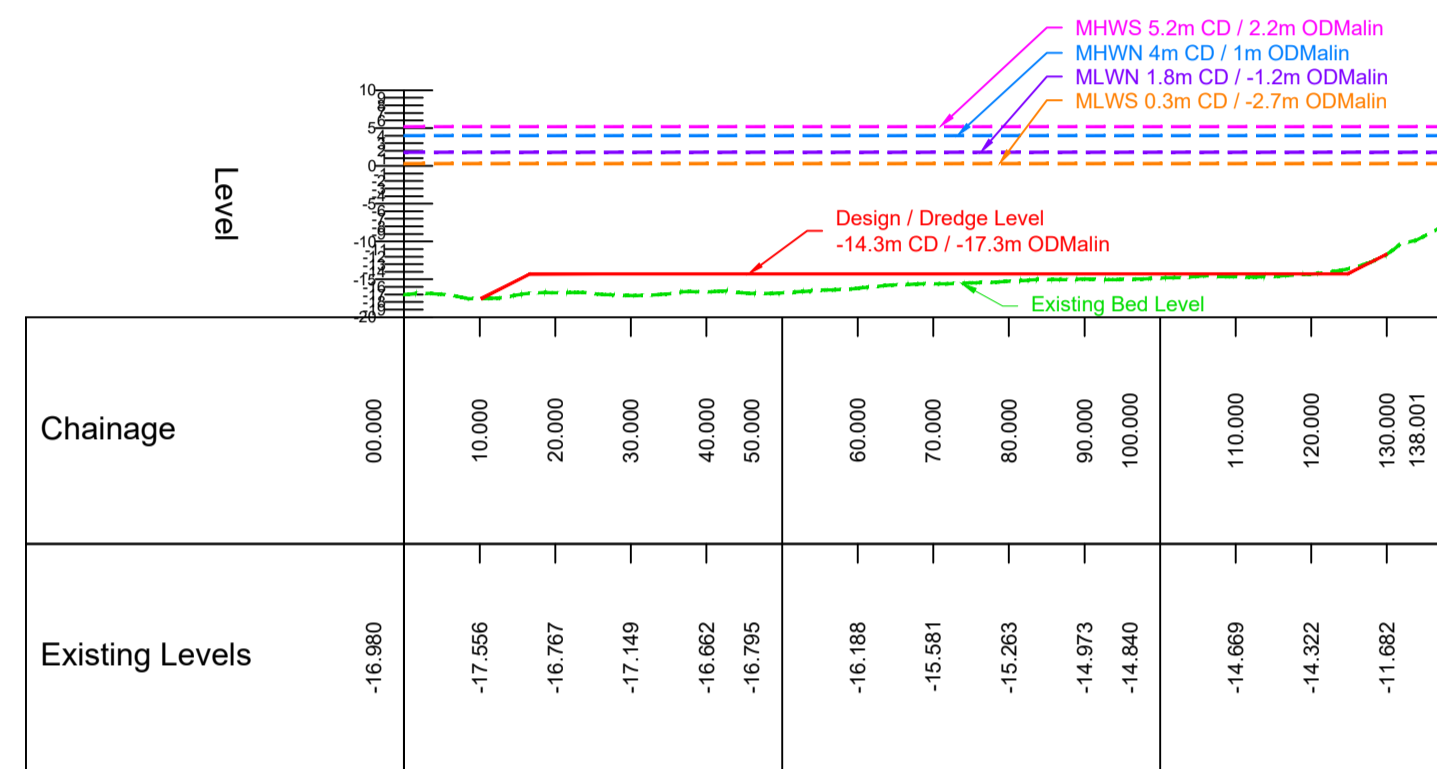
Licence Area



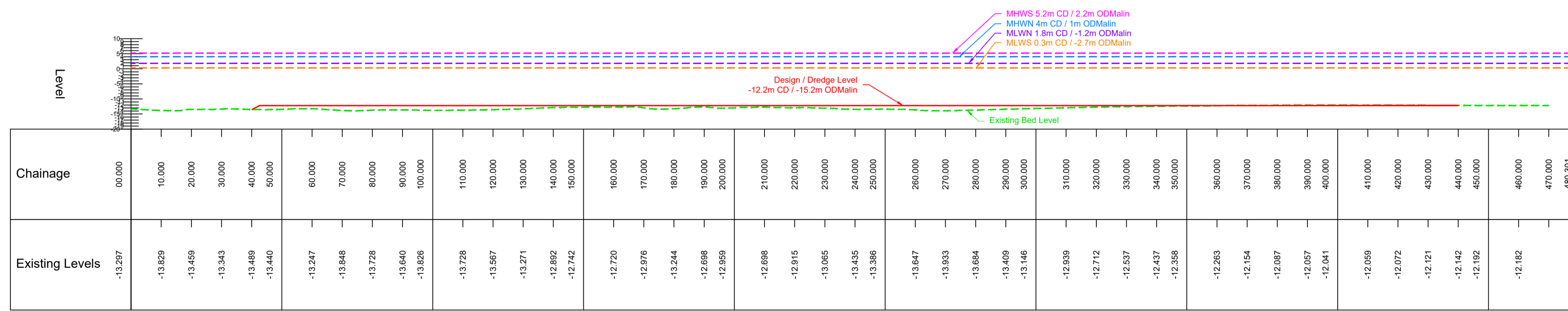
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REV	DATE	DESCRIPTION	BY	APP
PROJECT: Aughinish Alumina Limited Marine Usage Licence Application				
TITLE: Licence Map 7 Bathymetry Survey				
CLIENT: Aughinish Alumina Limited				
 MWP ENGINEERING AND ENVIRONMENTAL CONSULTANTS CORK TRALEE LONDON LIMERICK mwp.ie				
DRAWN:	CHECKED:	APPROVED:		
PROJECT NUMBER:	DATE:	SCALE @ A1:		
22855	November 2023	1 : 2,000		
STATUS DESCRIPTION: FOR INFORMATION			STATUS: S2	
DRAWING NUMBER: 22855 - MWP - 00 - 00 - DR - C - 0007				REV: P01



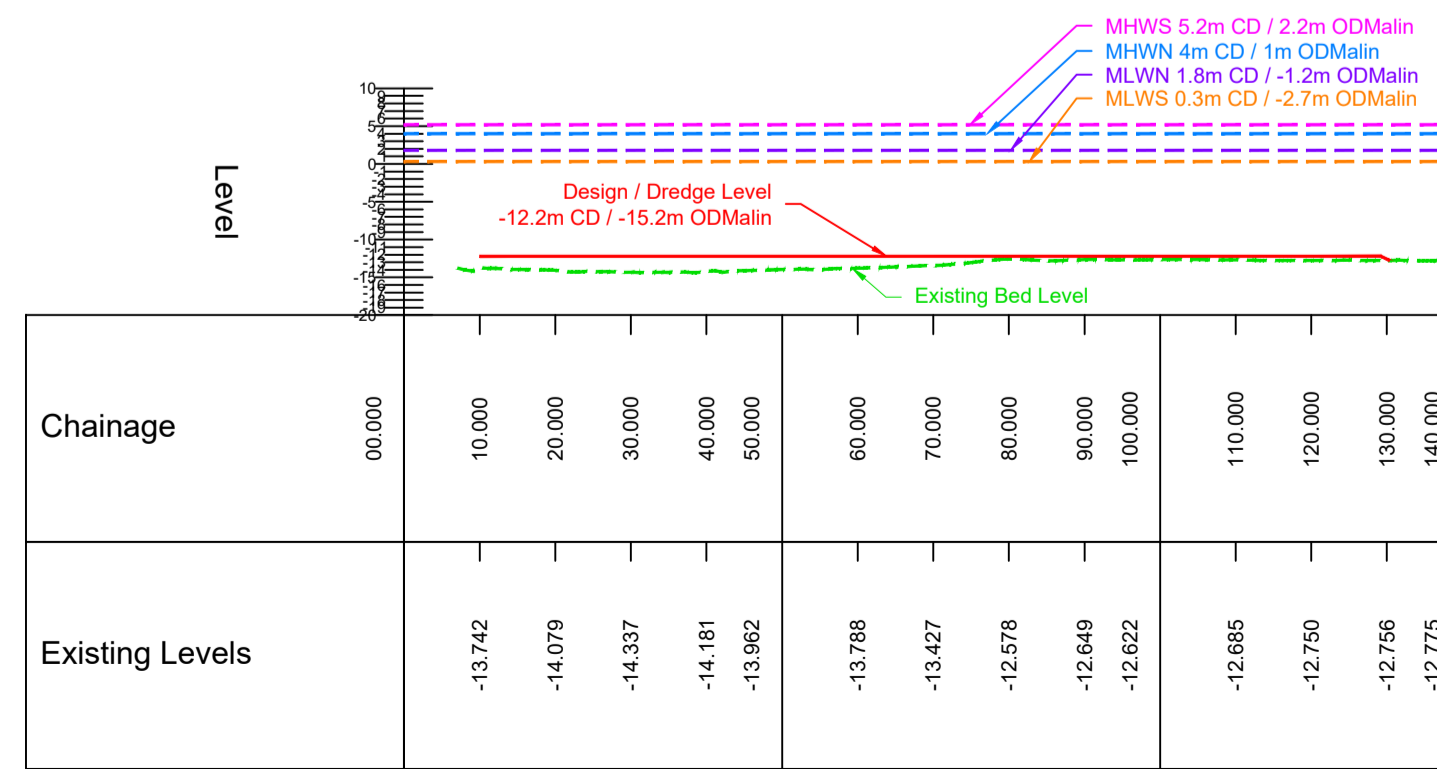
LICENCE AREA A
ALIGNMENT A - 1 - LONGSECTION
SCALE: H 1:1000,V 1:1000. DATUM: -20.000



LICENCE AREA A
ALIGNMENT A - 2 - LONGSECTION
SCALE: H 1:1000,V 1:1000. DATUM: -20.000



LICENCE AREA C
ALIGNMENT C - 1 - LONGSECTION
SCALE: H 1:1000,V 1:1000. DATUM: -20.000



LICENCE AREA C
ALIGNMENT C - 2 - LONGSECTION
SCALE: H 1:1000,V 1:1000. DATUM: -20.000

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- NOTES:
- ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND ENGINEERING DRAWINGS.
 - ALL LEVELS ARE IN METRES RELATED TO ORDANCE DATUM MALIN HEAD.
 - ANY DISCREPANCIES BETWEEN THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
 - DRAWINGS ARE NOT TO BE SCALED.
 - ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.

- LEGEND:
- Existing Bed Level
 - Design / Dredge Level
 - MHWS 5.2m CD / 2.2m ODMalin
 - MHW 4m CD / 1m ODMalin
 - MLWN 1.8m CD / -1.2m ODMalin
 - MLWS 0.3m CD / -2.7m ODMalin

Refer To Drawing Number 22855-MWP-ML-00-DR-C-0007 For Longsection Location And Bathymetry Survey

P01	16.11.23	Issued For Information	JK	KF
REV	DATE	DESCRIPTION	BY	APP

PROJECT:
Aughinish Alumina Limited
Marine Usage Licence Application

TITLE:
Licence Map 8
Licence Area A and C Longsections

CLIENT:
Aughinish Alumina Limited



DRAWN: []	CHECKED: []	APPROVED: []
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PROJECT NUMBER: 22855	DATE: November 2023	SCALE @ A1: As Shown
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STATUS DESCRIPTION: FOR INFORMATION	STATUS: S2
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DRAWING NUMBER: 22855 - MWP - ML - 00 - DR - C - 0008	REV: P01
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DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNERS IMMEDIATELY. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DESIGNERS SPECIFICATION. © THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNERS PERMISSION.

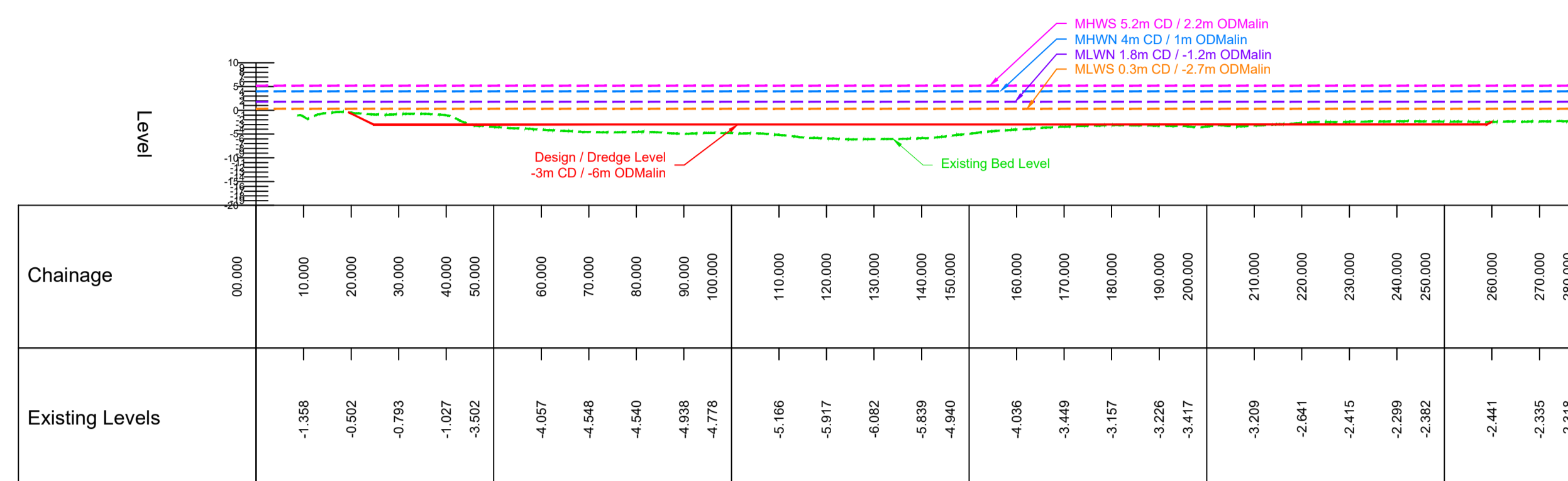
NOTES:

1. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND ENGINEERING DRAWINGS.
2. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM MALIN HEAD.
3. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. DRAWINGS ARE NOT TO BE SCALED.
5. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.

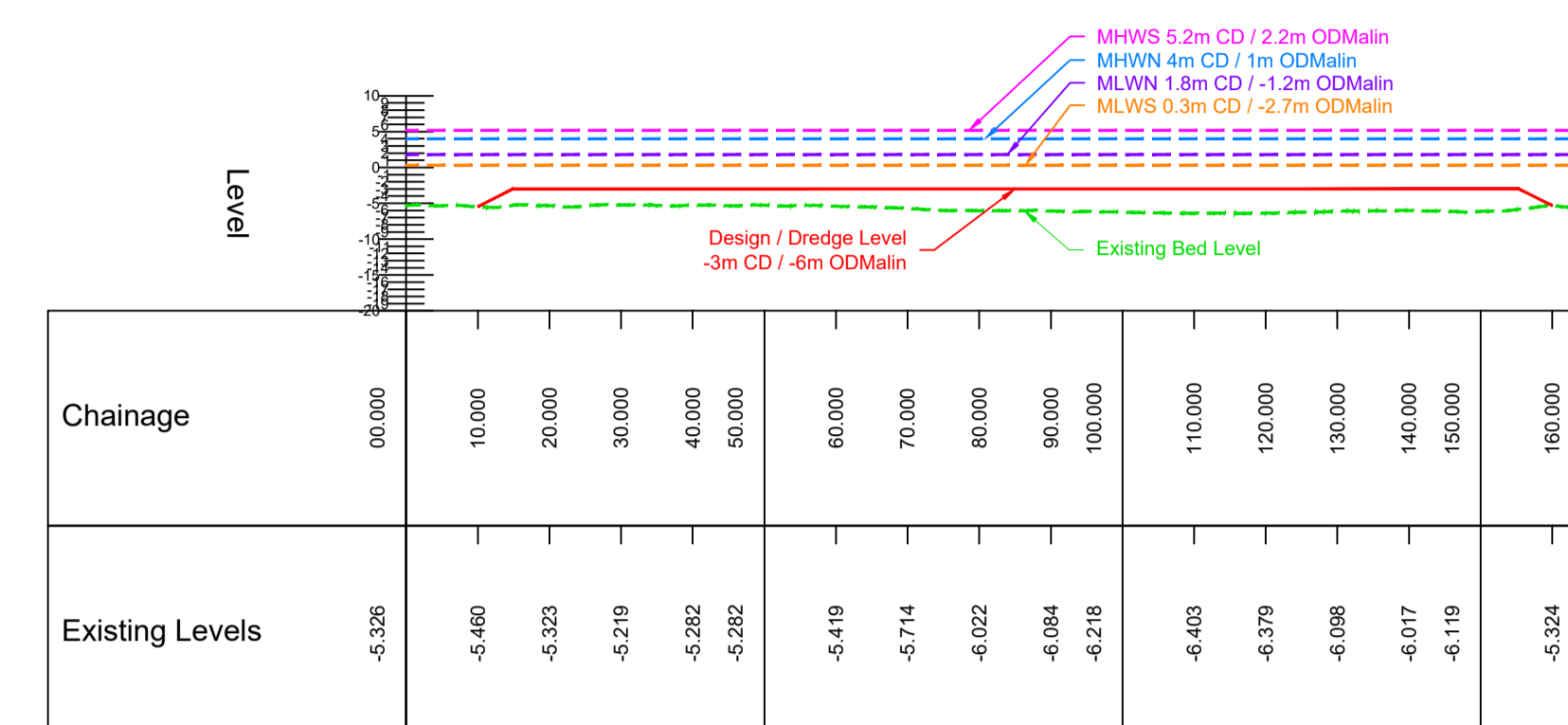
LEGEND:

- - - Existing Bed Level
- Design / Dredge Level
- - - MHWS 5.2m CD / 2.2m ODMalin
- - - MHWN 4m CD / 1m ODMalin
- - - MLWN 1.8m CD / -1.2m ODMalin
- - - MLWS 0.3m CD / -2.7m ODMalin

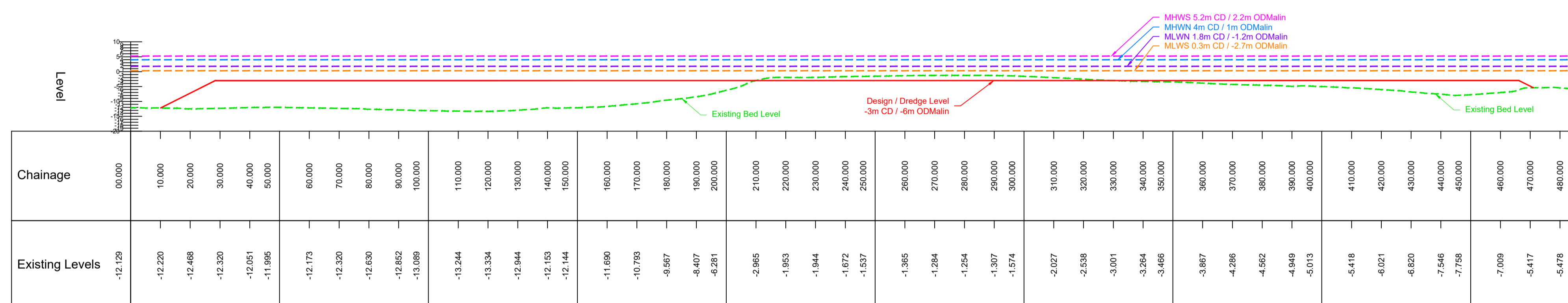
Refer To Drawing Number 22855-MWP-ML-00-DR-C-0007 For Longsection Location And Bathymetry Survey



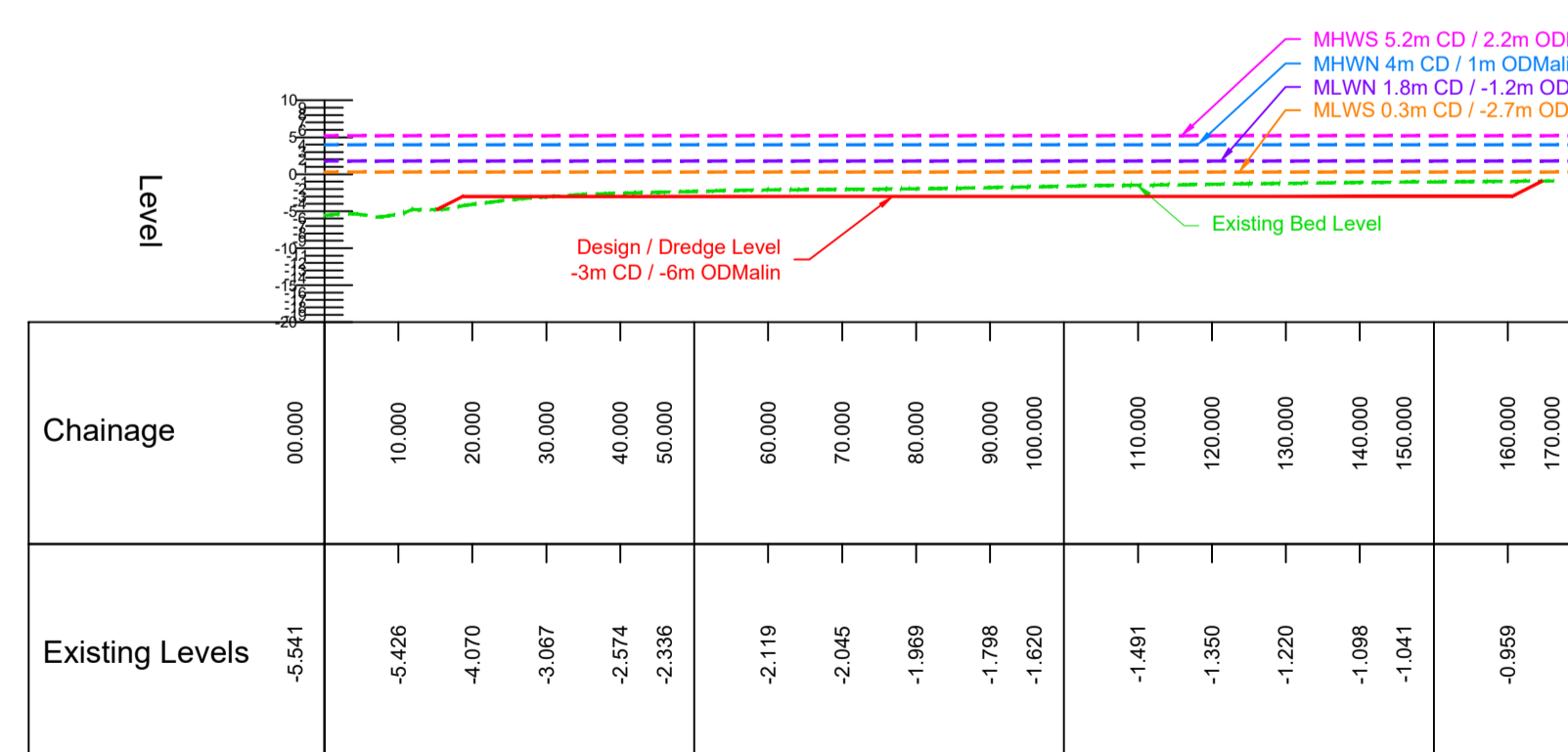
LICENCE AREA B
ALIGNMENT B - 1 - LONGSECTION
SCALE: H 1:1000,V 1:1000, DATUM: -20.000



LICENCE AREA B
ALIGNMENT B - 2 - LONGSECTION
SCALE: H 1:1000,V 1:1000, DATUM: -20.000



LICENCE AREA D
ALIGNMENT D - 1 - LONGSECTION
SCALE: H 1:1000,V 1:1000, DATUM: -20.000



LICENCE AREA D
ALIGNMENT D - 2 - LONGSECTION
SCALE: H 1:1000,V 1:1000, DATUM: -20.000

P01	16.11.23	Issued For Information	JK	KF
REV	DATE	DESCRIPTION	BY	APP

PROJECT:
Aughinish Alumina Limited
Marine Usage Licence Application

TITLE:
Licence Map 9
Licence Area B and D Longsections

CLIENT:
Aughinish Alumina Limited



DRAWN:	CHECKED:	APPROVED:
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PROJECT NUMBER: 22855	DATE: November 2023	SCALE @ A1: As Shown
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STATUS DESCRIPTION: FOR INFORMATION	STATUS: S2
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DRAWING NUMBER: 22855 - MWP - ML - 00 - DR - C - 0009	REV: P01
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