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**From:** Kieran Doherty  
**Sent:** Monday 12 December 2016 10:17  
**To:** Lianna Slowey  
**Subject:** FW: 7476 - GHE Compensatory Measures - Tripartite Meeting 13.12.2016 (PI Ref PA 61.0033) [Email 2 of 4]  
**Attachments:** Appendix 2 - Detail Maps part 1 of 2.pdf

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**From:** John P Kelly (Galway) [mailto:John.Kelly@tobin.ie]  
**Sent:** Friday 9 December 2016 16:48  
**To:** Kieran Doherty <K.Doherty@pleanala.ie>; Ciaran.OKeeffe@ahg.gov.ie  
**Cc:** Brendan Rudden <Brendan.Rudden@tobin.ie>  
**Subject:** RE: 7476 - GHE Compensatory Measures - Tripartite Meeting 13.12.2016 (PI Ref PA 61.0033) [Email 2 of 4]

Email 2 of 4 attaching appendix 2 -part 1 of 2

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**From:** John P Kelly (Galway)  
**Sent:** 09 December 2016 16:46  
**To:** 'k.doherty@pleanala.ie'; 'Ciaran.OKeeffe@ahg.gov.ie'  
**Cc:** Brendan Rudden  
**Subject:** 7476 - GHE Compensatory Measures - Tripartite Meeting 13.12.2016 (PI Ref PA 61.0033) [Email 1 of 4]

Dear Sirs,

We wish to send you the attached documents in advance of the meeting on Tuesday next for review and to assist with the meeting.

The main report and appendix 1 are attached to this first email.

There will be 3 further emails.

We would be very grateful if you can confirm receipt of all 4 emails.

We look forward to meeting with you on Tuesday next.

Best Regards,

John

**John P Kelly B.E. M.I.E.I.**  
**Project Director**

**TOBIN Consulting Engineers**  
Dublin | Galway | Castlebar | London  
**Telephone:** +353 (0)91 565 211  
**Email:** [john.kelly@tobin.ie](mailto:john.kelly@tobin.ie)  
**Website:** <http://www.tobin.ie>



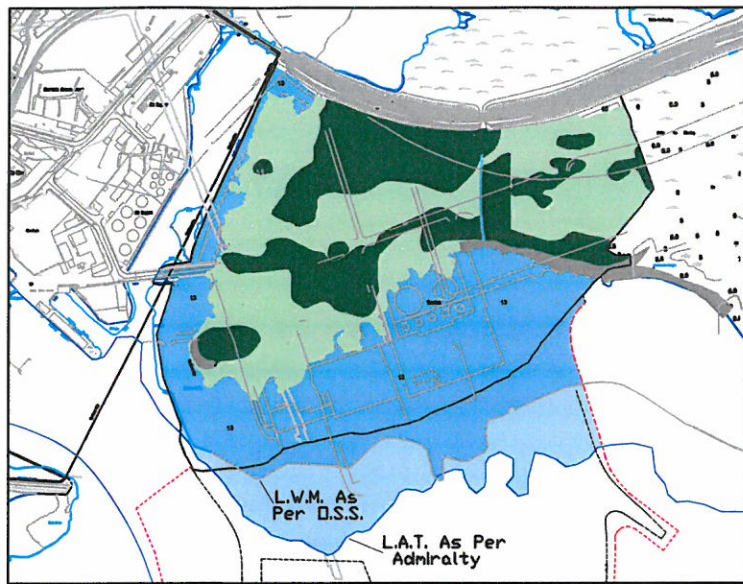
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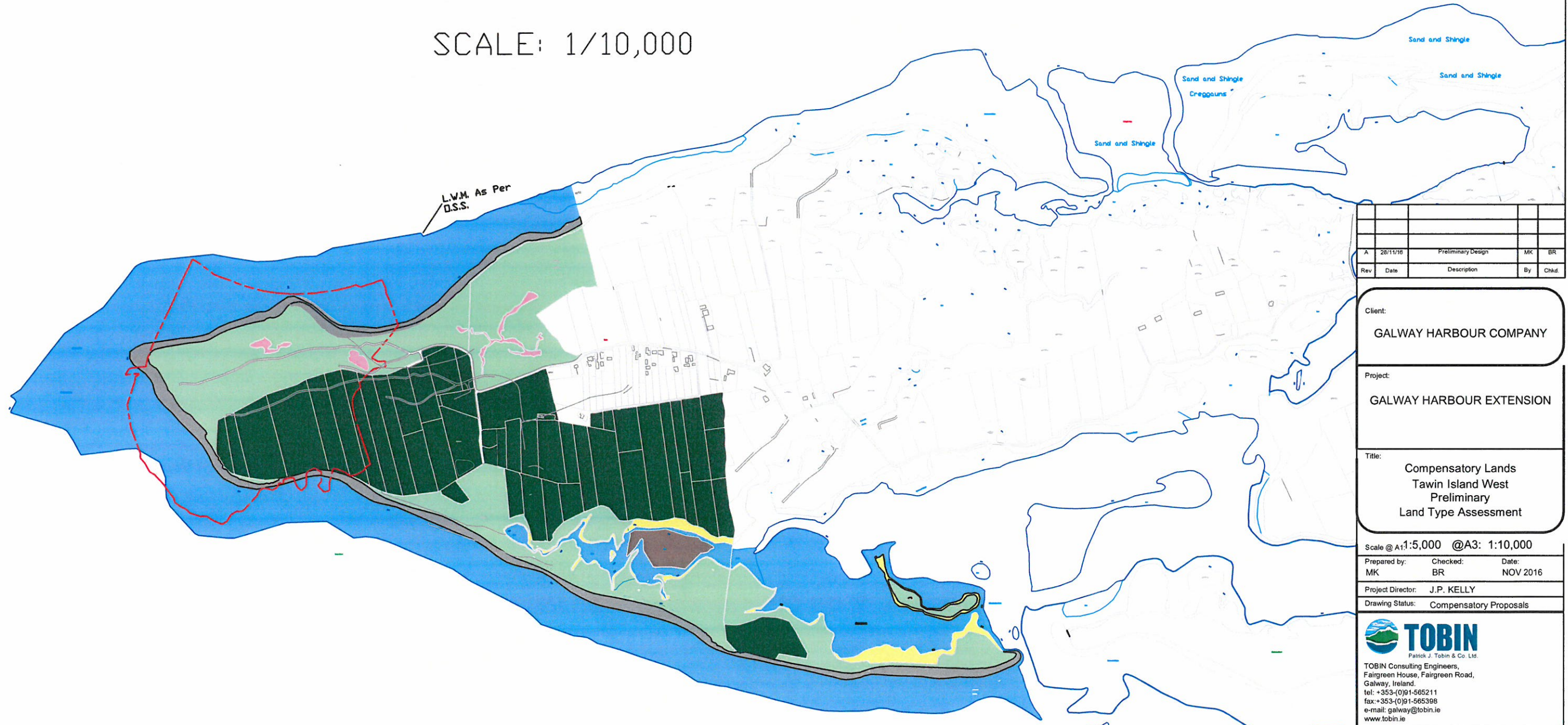


# Area 1: Tawin West

	Gain	Loss
Agricultural Land	34.56 ha	5.55 ha
Lagoon	0.7 ha	
Stony Bank/Beach	6.90 ha	0.63 ha
Salt Marsh/Grassland Mosaic	30.00 ha	7.39 ha
Beach/Mud	2.37 ha	
Intertidal DS	58.09 ha	10.70 ha
Intertidal Admiralty		3.81 ha
Intertidal Mud Flat	1.27 ha	

Proposed Harbour

SCALE: 1/10,000



Rev	Date	Description	By	Chkd.
A	28/11/16	Preliminary Design	MK	BR

Client:  
**GALWAY HARBOUR COMPANY**

Project:  
**GALWAY HARBOUR EXTENSION**

Title:  
**Compensatory Lands  
Tawin Island West  
Preliminary  
Land Type Assessment**

Scale @ A1: 1:5,000 @ A3: 1:10,000

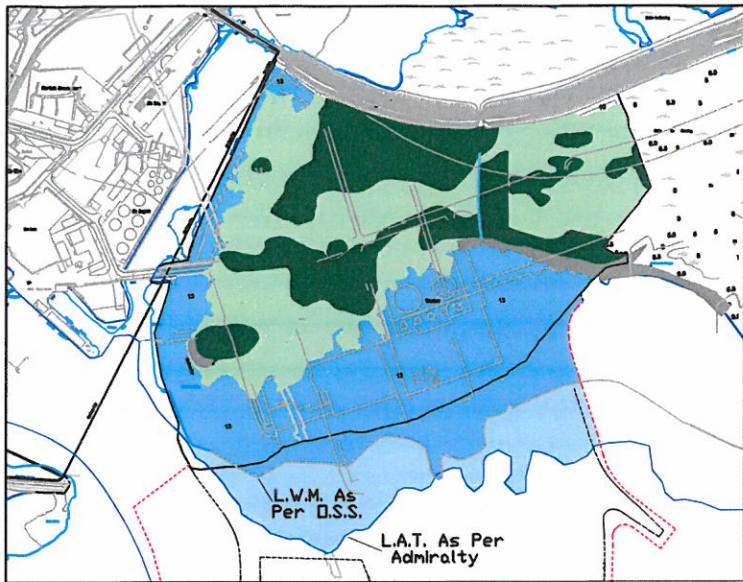
Prepared by: MK Checked: BR Date: NOV 2016

Project Director: J.P. KELLY

Drawing Status: Compensatory Proposals

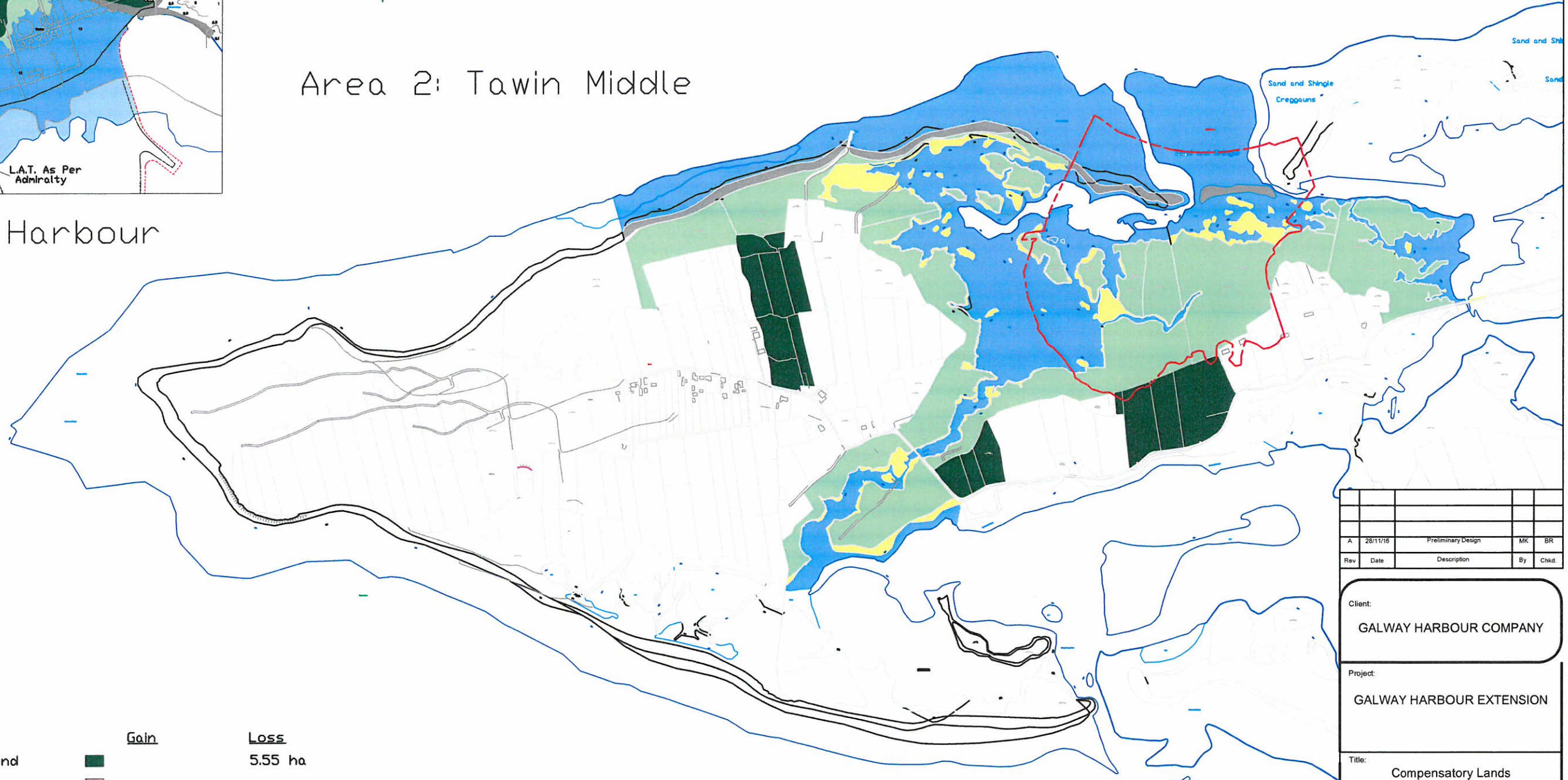
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www.tobin.ie

Drawing No.: **7476-1001** Revision: **A**



## Area 2: Tawin Middle

### Proposed Harbour



	<u>Gain</u>	<u>Loss</u>
Agricultural Land		5.55 ha
Lagoon		
Stony Bank/Beach	 2.70 ha	0.63 ha
Salt Marsh Mosaic	 37.28 ha	7.39 ha
Beach/Mud	 5.39 ha	
Intertidal	 29.78 ha	10.70 ha
Intertidal Admiralty	 3.81 ha	

SCALE: 1/10,000


Rev	Date	Description	By	Chkd
A	28/11/16	Preliminary Design	MK	BR

Client:  
**GALWAY HARBOUR COMPANY**

Project:  
**GALWAY HARBOUR EXTENSION**

Title:  
**Compensatory Lands  
Tawin Island East  
Preliminary  
Land Type Assessment**

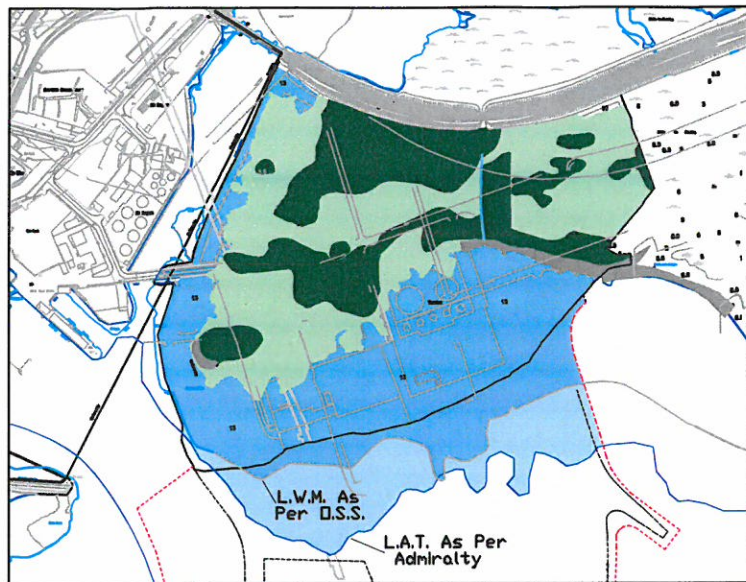
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 Prepared by: MK Checked: BR Date: NOV 2016  
 Project Director: J.P. KELLY  
 Drawing Status: Compensatory Proposals



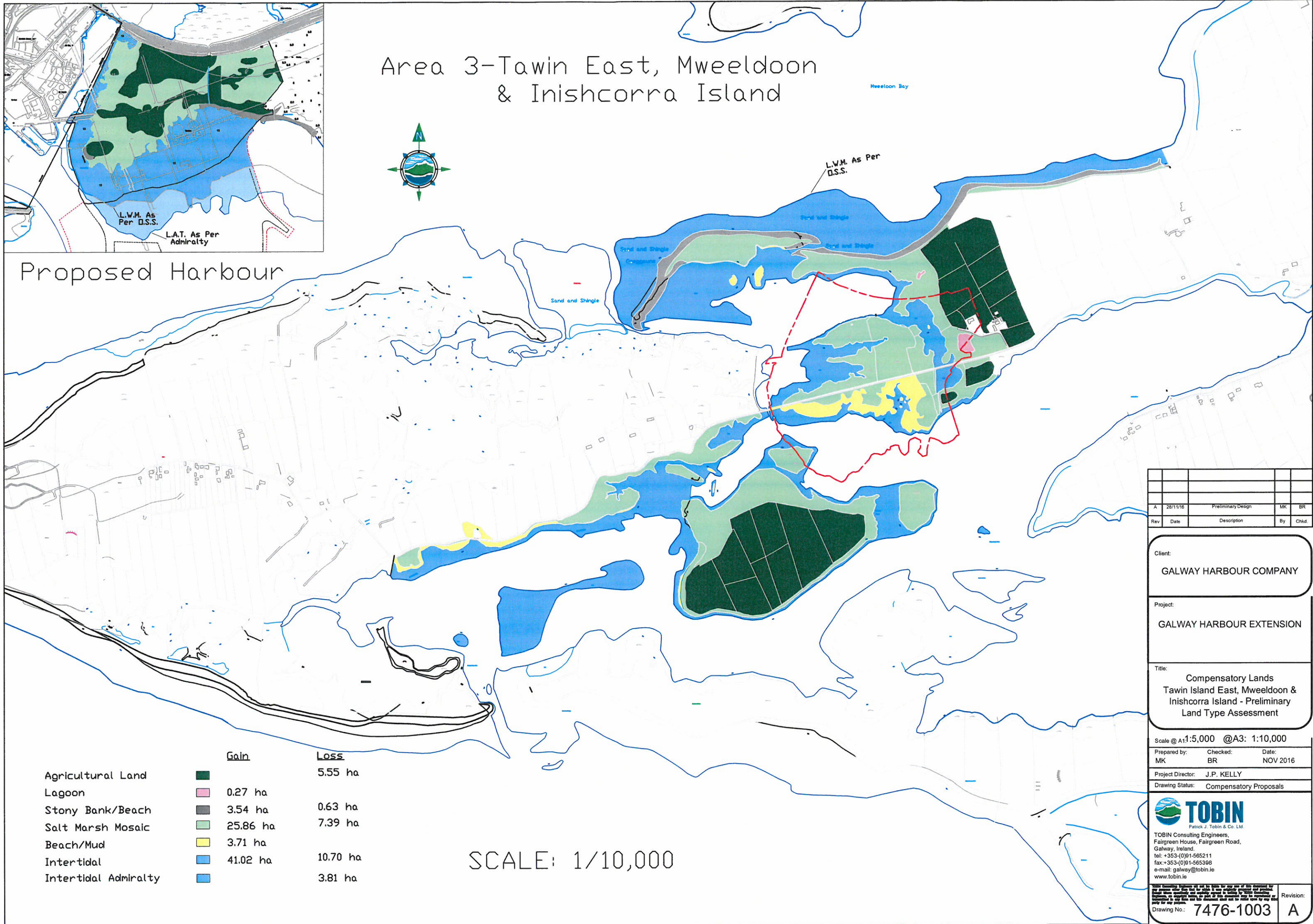
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Drawing No: **7476-1002** Revision: **A**

# Area 3-Tawin East, Mweeldoon & Inishcorra Island



Proposed Harbour



Rev	Date	Description	By	Chkd.
A	28/11/16	Preliminary Design	MK	BR

Client:  
**GALWAY HARBOUR COMPANY**

Project:  
**GALWAY HARBOUR EXTENSION**

Title:  
**Compensatory Lands  
Tawin Island East, Mweeldoon &  
Inishcorra Island - Preliminary  
Land Type Assessment**

Scale @ A1: 5,000 @ A3: 1:10,000  
Prepared by: MK Checked: BR Date: NOV 2016  
Project Director: J.P. KELLY  
Drawing Status: Compensatory Proposals

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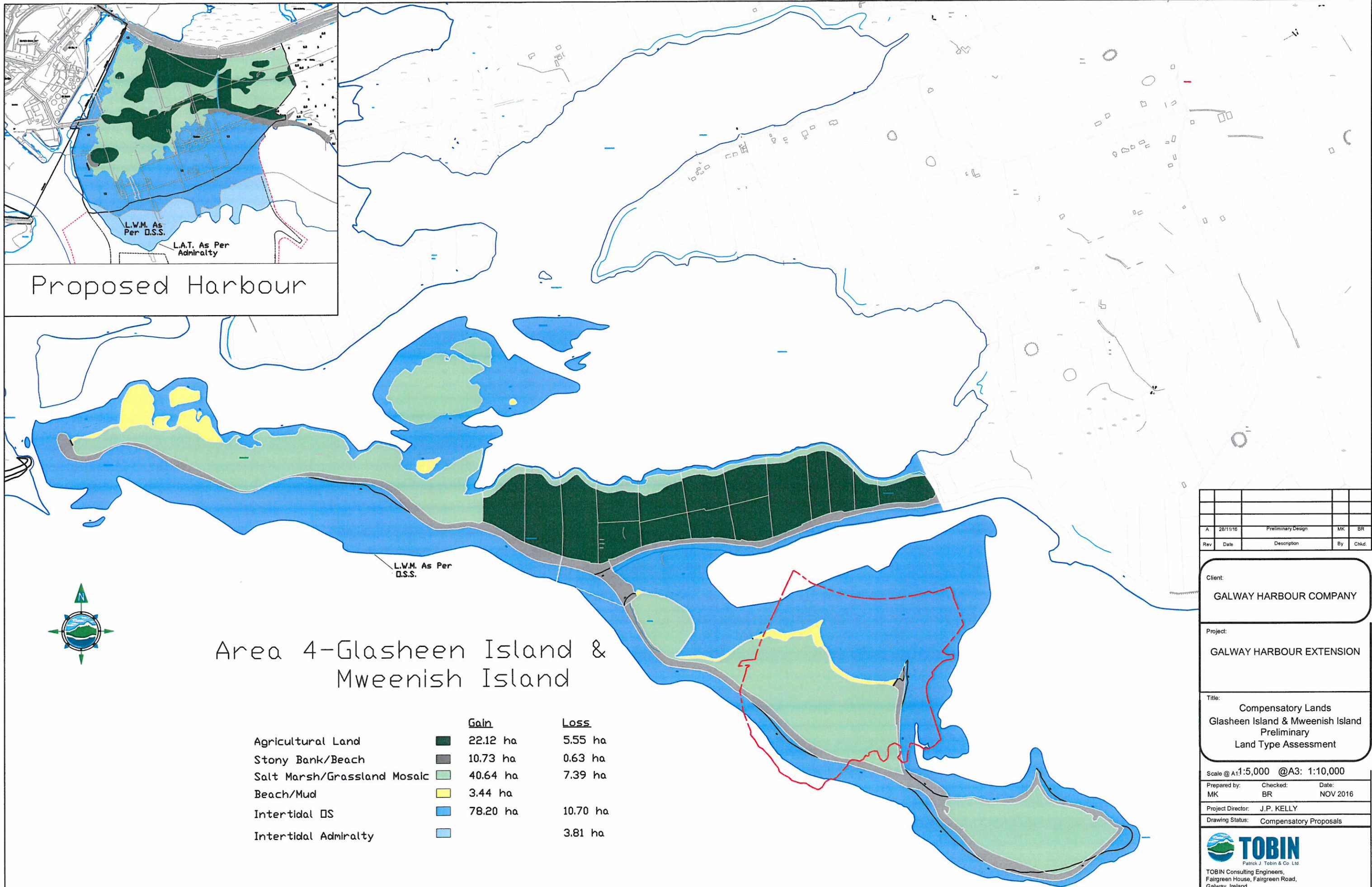
	Gain	Loss
Agricultural Land	0.27 ha	5.55 ha
Lagoon	3.54 ha	0.63 ha
Stony Bank/Beach	25.86 ha	7.39 ha
Salt Marsh Mosaic	3.71 ha	
Beach/Mud		10.70 ha
Intertidal	41.02 ha	3.81 ha
Intertidal Admiralty		

SCALE: 1/10,000

Drawing No.: **7476-1003** Revision: **A**



Proposed Harbour



Area 4-Glasheen Island & Mweenish Island

	Gain	Loss
Agricultural Land	22.12 ha	5.55 ha
Stony Bank/Beach	10.73 ha	0.63 ha
Salt Marsh/Grassland Mosaic	40.64 ha	7.39 ha
Beach/Mud	3.44 ha	
Intertidal DS	78.20 ha	10.70 ha
Intertidal Admiralty		3.81 ha

SCALE: 1/10,000

Rev	Date	Description	By	Chkd
A	28/11/16	Preliminary Design	MK	BR

Client:  
GALWAY HARBOUR COMPANY

Project:  
GALWAY HARBOUR EXTENSION

Title:  
Compensatory Lands  
Glasheen Island & Mweenish Island  
Preliminary  
Land Type Assessment

Scale @ A1:5,000 @A3: 1:10,000

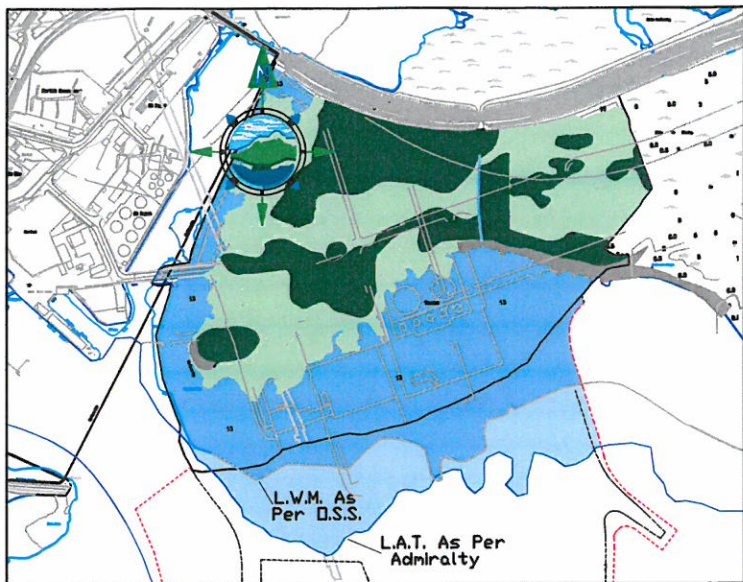
Prepared by: MK Checked: BR Date: NOV 2016

Project Director: J.P. KELLY

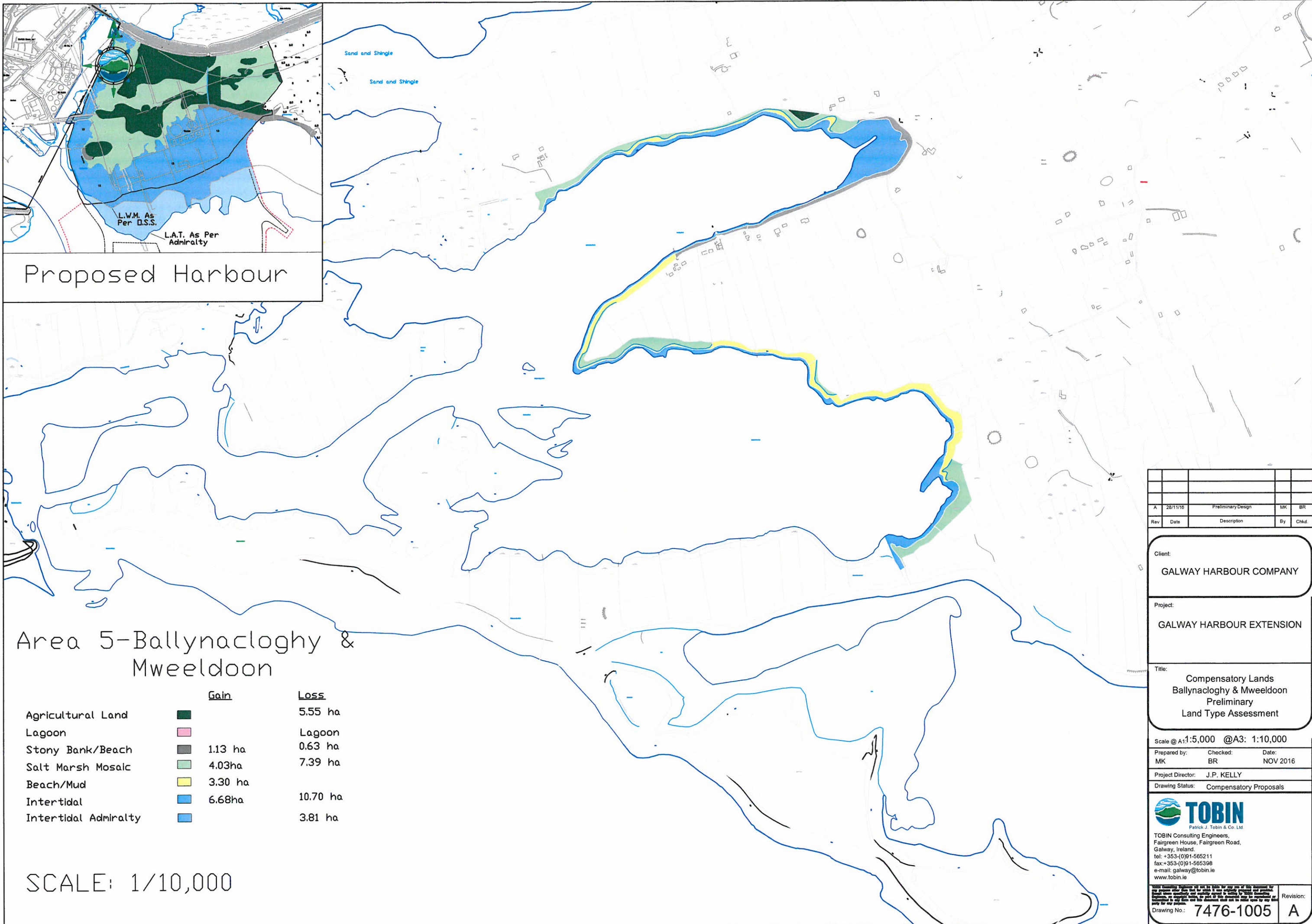
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Revision:  
Drawing No.: 7476-1004 A



# Proposed Harbour



## Area 5-Ballynacloghy & Mweeldoon

	Gain	Loss
Agricultural Land		5.55 ha
Lagoon		Lagoon
Stony Bank/Beach	1.13 ha	0.63 ha
Salt Marsh Mosaic	4.03ha	7.39 ha
Beach/Mud	3.30 ha	
Intertidal	6.68ha	10.70 ha
Intertidal Admiralty		3.81 ha

SCALE: 1/10,000

Rev	Date	Description	By	Chkd
A	28/11/16	Preliminary Design	MK	BR

Client:  
**GALWAY HARBOUR COMPANY**

Project:  
**GALWAY HARBOUR EXTENSION**

Title:  
**Compensatory Lands  
Ballynacloghy & Mweeldoon  
Preliminary  
Land Type Assessment**

Scale @ A1:5,000 @A3: 1:10,000

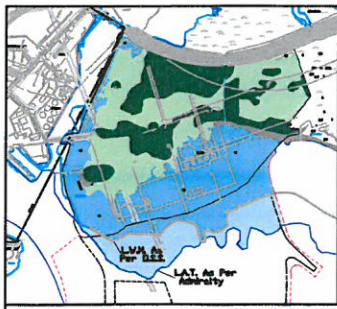
Prepared by: MK Checked: BR Date: NOV 2016

Project Director: J.P. KELLY

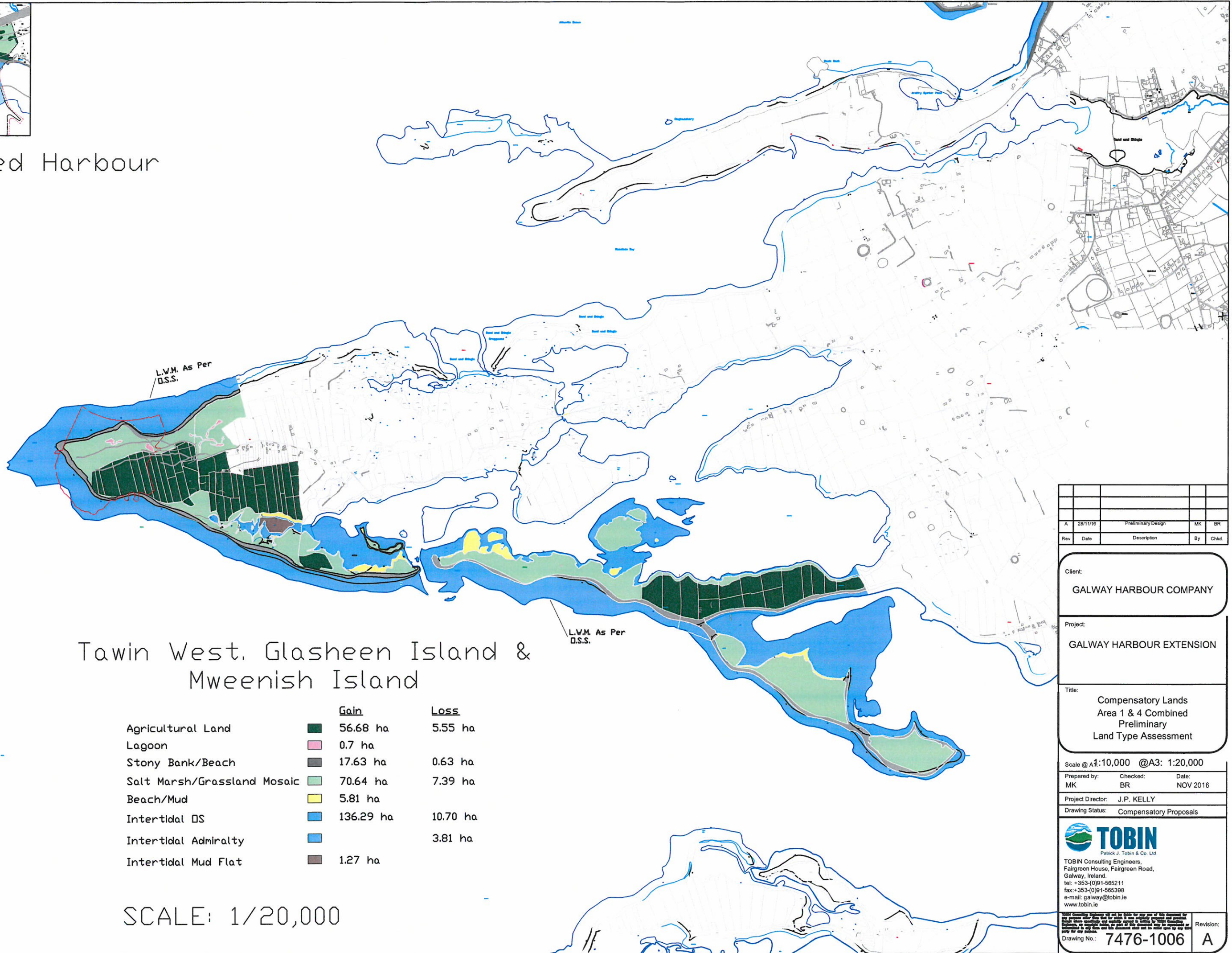
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Drawing No.: **7476-1005** Revision: **A**



Proposed Harbour  
1/20,000



Tawin West, Glasheen Island & Mweenish Island

	<u>Gain</u>	<u>Loss</u>
Agricultural Land	56.68 ha	5.55 ha
Lagoon	0.7 ha	
Stony Bank/Beach	17.63 ha	0.63 ha
Salt Marsh/Grassland Mosaic	70.64 ha	7.39 ha
Beach/Mud	5.81 ha	
Intertidal DS	136.29 ha	10.70 ha
Intertidal Admiralty		3.81 ha
Intertidal Mud Flat	1.27 ha	

SCALE: 1/20,000

Rev	Date	Description	By	Chkd
A	28/11/16	Preliminary Design	MK	BR

Client:  
**GALWAY HARBOUR COMPANY**

Project:  
**GALWAY HARBOUR EXTENSION**

Title:  
**Compensatory Lands  
Area 1 & 4 Combined  
Preliminary  
Land Type Assessment**

Scale @ A1: 10,000 @ A3: 1:20,000  
 Prepared by: MK Checked: BR Date: NOV 2016  
 Project Director: J.P. KELLY  
 Drawing Status: Compensatory Proposals

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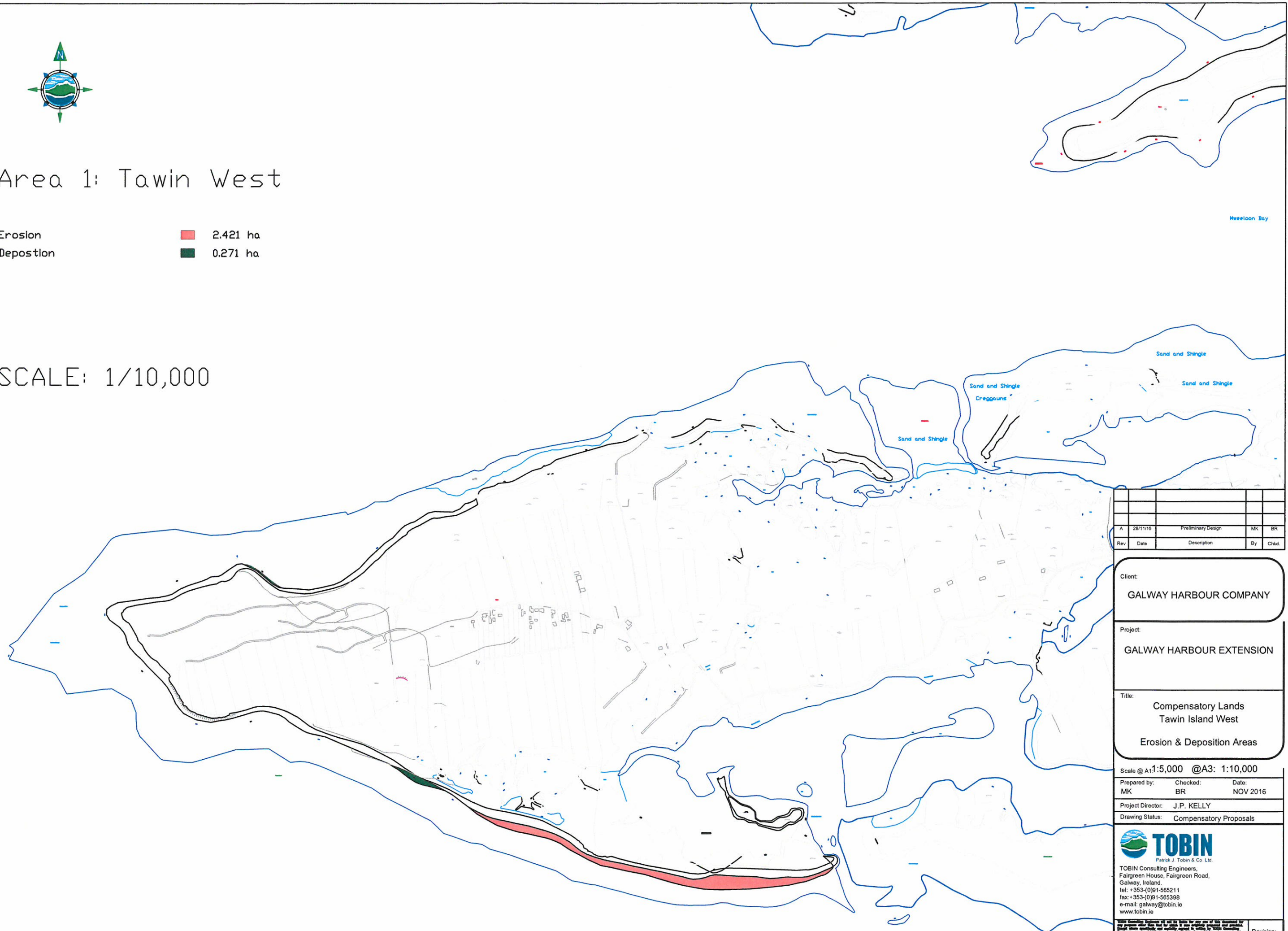
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# Area 1: Tawin West

Erosion ■ 2.421 ha  
 Deposition ■ 0.271 ha

## SCALE: 1/10,000



Rev	Date	Description	By	Chkd
A	28/11/16	Preliminary Design	MK	BR

Client:  
**GALWAY HARBOUR COMPANY**

Project:  
**GALWAY HARBOUR EXTENSION**

Title:  
**Compensatory Lands  
 Tawin Island West  
 Erosion & Deposition Areas**

Scale @ A1: 1:5,000 @ A3: 1:10,000

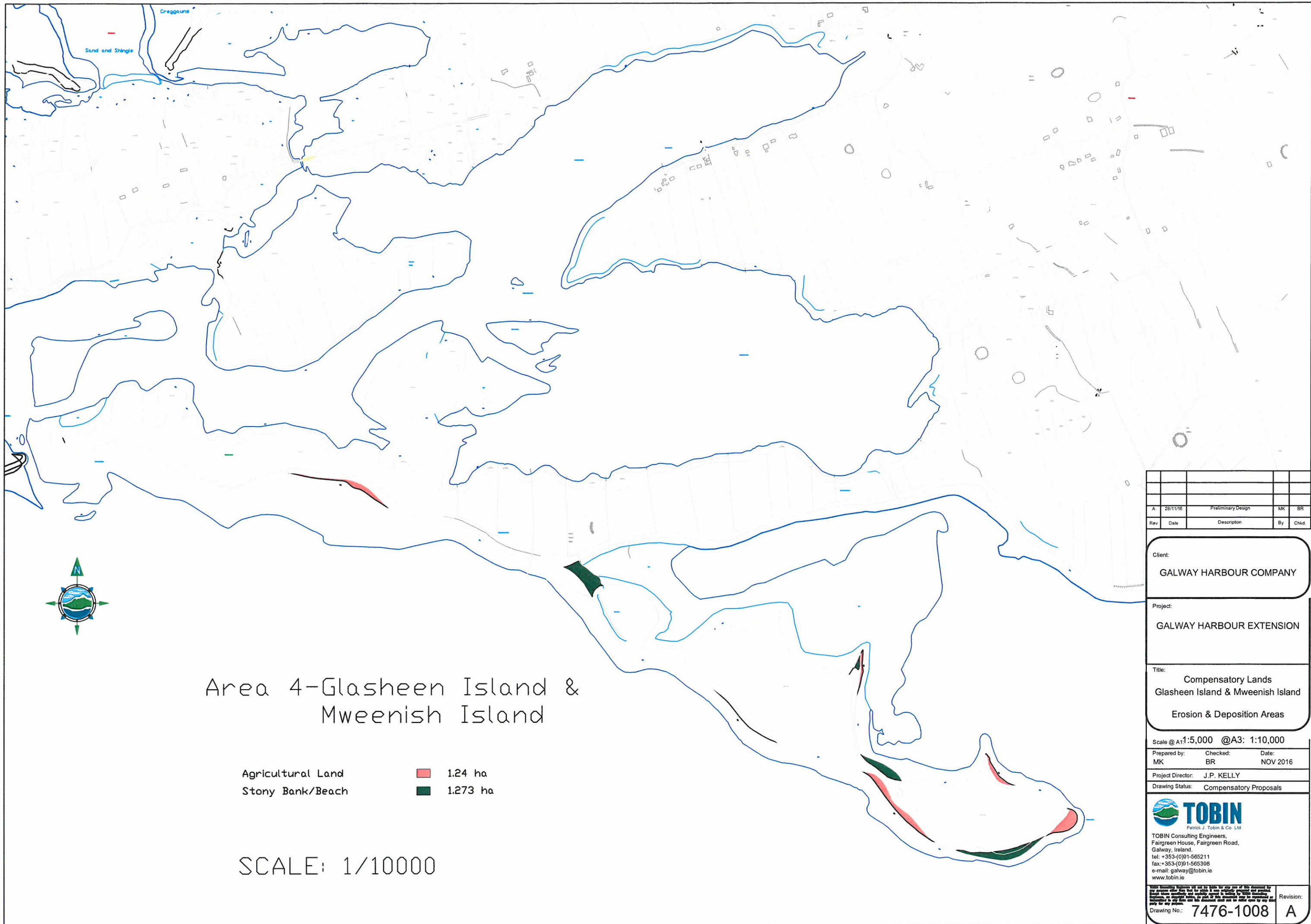
Prepared by: MK      Checked: BR      Date: NOV 2016

Project Director: J.P. KELLY

Drawing Status: Compensatory Proposals

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Area 4-Glasheen Island & Mweenish Island

Agricultural Land 1.24 ha  
 Stony Bank/Beach 1.273 ha

SCALE: 1/10000

Rev	Date	Description	By	Chkd.
A	28/11/16	Preliminary Design	MK	BR

Client:  
**GALWAY HARBOUR COMPANY**

Project:  
**GALWAY HARBOUR EXTENSION**

Title:  
**Compensatory Lands  
 Glasheen Island & Mweenish Island  
 Erosion & Deposition Areas**

Scale @ A1:1:5,000 @A3: 1:10,000  
 Prepared by: MK Checked: BR Date: NOV 2016  
 Project Director: J.P. KELLY  
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