

KEY

-  Site Boundary
-  1km Offsets from Site Boundary
-  1 Photograph Viewpoint Location (Refer to Drawing 04 for existing photograph views to site)
-  5 Photograph Viewpoint Location & Photomontage Location (Refer to Drawings 05 - 08 Photomontage Views)
-  Anglesey Area of Outstanding Natural Beauty
-  Conservation Area
-  Open Country
-  06/14 Bridleway with Reference Number
-  06/14 Footpath with Reference Number
-  06/14 07/16 Reference Number Change Point
-  Long Distant Route: Isle of Anglesey Coastal Path
-  8 Sustrans NCN: Route 8 (Lon Las Cymru) Route 5 (North Wales Coastal Route)

Client
Anglesey County Council

Project
Holyhead Breakwater Refurbishment Scheme

Drawing Title
Landscape Constraints

Created by	Reviewer	Sheet Size	Scale	Date Created
CL	MCE	A3	1:20,000	06.03.20
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01				01

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-  1km Offsets from Site Boundary
-  1 Photograph Viewpoint Location (Refer to Drawing 04 for existing photograph views to site)
-  5 Photograph Viewpoint Location & Photomontage Location (Refer to Drawings 05 - 08 Photomontage Views)

Client
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Project
Holyhead Breakwater Refurbishment Scheme

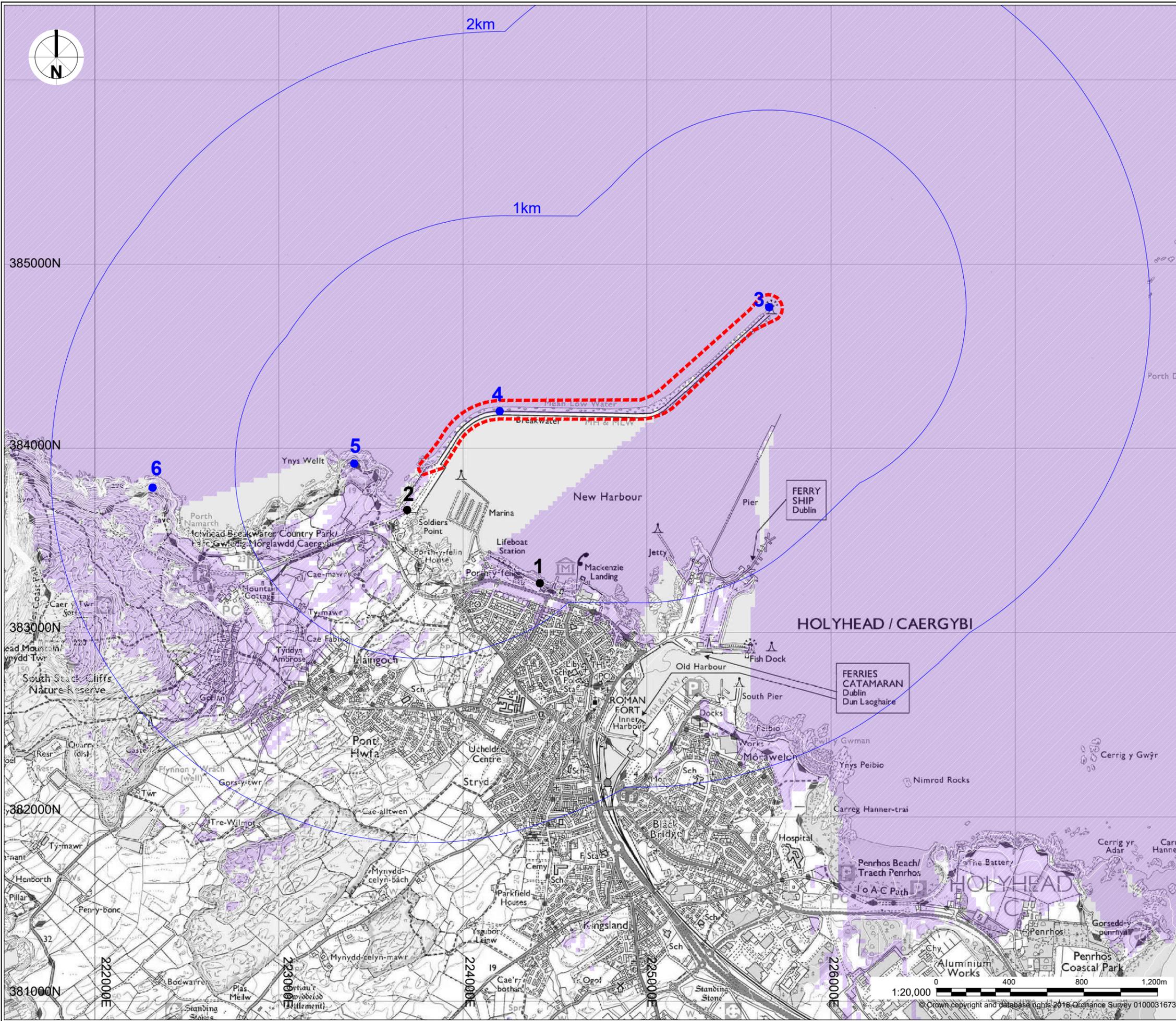
Drawing Title
Aerial Photograph & Photograph Locations

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02	01

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KEY

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-  Zone of Theoretical Visibility
-  1 Photograph Viewpoint Location (Refer to Drawing 04 for existing photograph views to site)
-  5 Photograph Viewpoint Location & Photomontage Location (Refer to Drawings 05 - 08 Photomontage Views)

Notes:

- ZTV analysis:**
- ZTV analysis points set at 30m offset from breakwater at 2.5mAOD (approx 5.5 mCD) vertical height.
 - Existing buildings and selected woodland areas are included in the Digital Terrain Model - building and woodland heights modelled in the DTM are at 10m above ground level.
 - Observers eye level 1.7m.
 - Extent of ZTV limited to 5km distance from analysis points
 - Analysis adjusted for earth curvature / refraction

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Drawing Title
Visual & Sensory Aspect Areas

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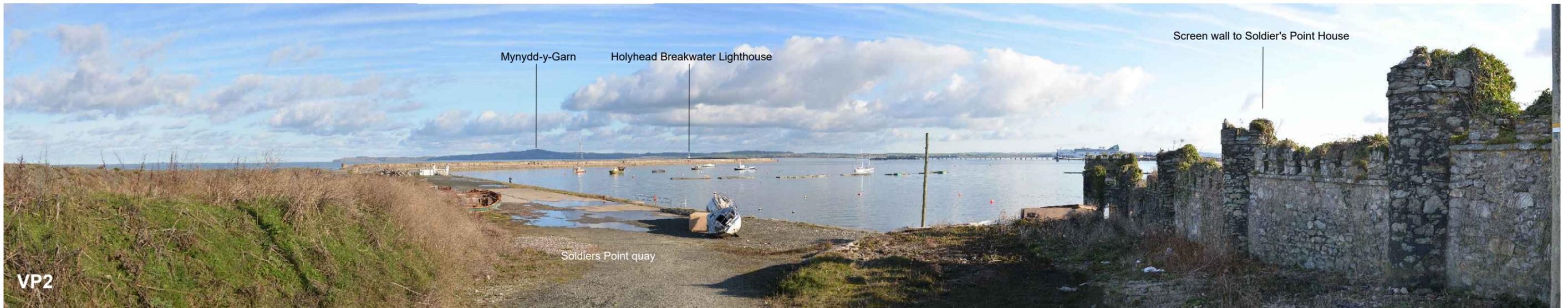


Soldiers Point quay

Holyhead Breakwater Lighthouse

Orthios Jetty

VP1



Mynydd-y-Garn

Holyhead Breakwater Lighthouse

Screen wall to Soldier's Point House

Soldiers Point quay

VP2



Orthios Jetty

Holyhead Mountain

VP3



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Viewpoints

Viewpoint 1:
 Looking north east from the seafront promenade at Newry Beach

Viewpoint 2:
 Looking north east from Soldiers Point, near the screen wall to Soldier's Point House

Viewpoint 3:
 Looking south west from the head of Holyhead Breakwater towards Holyhead Mountain

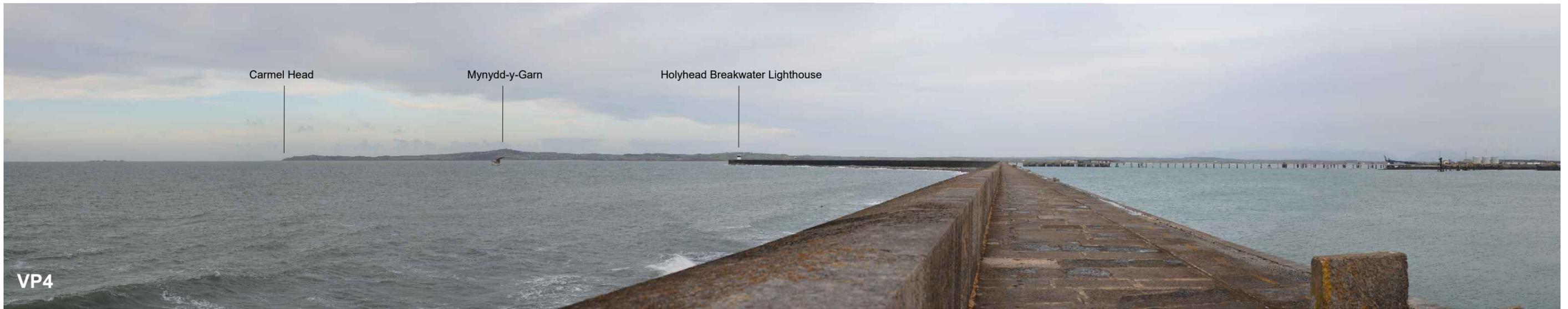
Photograph Parameters

- Date taken: 18/11/2019 & 24/02/20
- Camera: Nikon D600 (full frame sensor)
- Lens: 50mm prime
- Camera height: 1.5m
- For photograph locations refer to Drawing 04

Client
 Anglesey County Council

Project
 Holyhead Breakwater Refurbishment Scheme

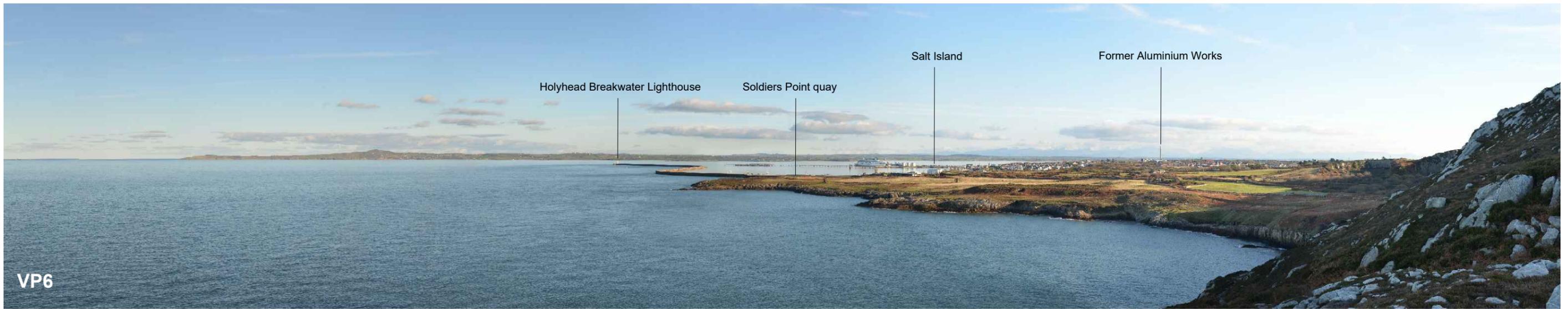
Title Viewpoint Photography VP1, VP2 & VP3				
Size A3	Scale NTS	Date 20/11/19	Created by CL	Reviewer MCE
Drawing Nr. 04A				Rev 01



VP4



VP5



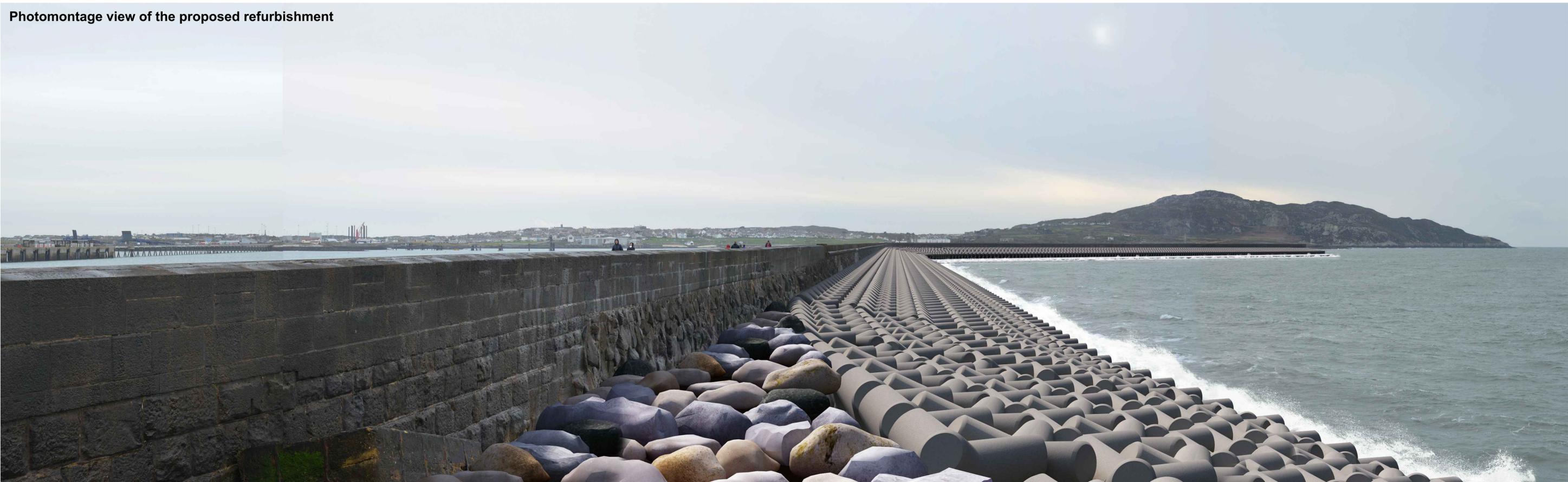
VP6

 <p>DRaW (UK) Ltd Morwick Hall York Road Leeds LS15 4TA 0113 8232871 info@draw-ltd.com www.draw-ltd.com</p>	Viewpoints	Photograph Parameters	Client	Title				
	<p>Viewpoint 4: Looking north east from Holyhead Breakwater, approximately 800m from shore</p> <p>Viewpoint 5: Looking north east from headland near Ynys Wellt on the Isle of Anglesey Coastal Path</p> <p>Viewpoint 6: Looking east across Porth Namarch Bay from the Isle of Anglesey Coastal Path</p>	<ul style="list-style-type: none"> Date taken: 18/11/2019 & 24/02/20 Camera: Nikon D600 (full frame sensor) Lens: 50mm prime Camera height: 1.5m For photograph locations refer to Drawing 04 	<p>Anglesey County Council</p>	<p>Viewpoint Photography VP4, VP5 & VP6</p>				
			Project	Size	Scale	Date	Created by	Reviewer
		<p>Holyhead Breakwater Refurbishment Scheme</p>	A3	NTS	20/11/19	CL	MCE	
			Drawing Nr.					Rev
			04B					01

Existing View



Photomontage view of the proposed refurbishment



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Viewpoint
Viewpoint 3:
 Looking south west from the head of Holyhead Breakwater
 towards Holyhead Mountain

- Photograph Parameters
- Date taken: 24/02/20
 - Camera: Nikon D600 (full frame sensor)
 - Lens: 50mm prime.
 - Camera height: 1.5m
 - Horizontal Field of View: 90°
 - For photograph locations refer to Drawing 04

Client	Anglesey County Council			
Project	Holyhead Breakwater Refurbishment Scheme			

Title					Photomontage View 3				
Size	A3	Scale	NTS	Date	27/03/20	Created by	CL	Reviewer	MCE
Drawing Nr.					05		Rev		01

Existing View



Photomontage view of the proposed refurbishment




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Viewpoint

Viewpoint 4:
Looking north east from Holyhead Breakwater,
approximately 800m from shore

Photograph Parameters

- Date taken: 24/02/20
- Camera: Nikon D600 (full frame sensor)
- Lens: 50mm prime.
- Camera height: 1.5m
- Horizontal Field of View: 90°
- For photograph locations refer to Drawing 04

Client	Anglesey County Council				Title	Photomontage View 4								
Project	Holyhead Breakwater Refurbishment Scheme				Size	A3	Scale	NTS	Date	27/03/20	Created by	CL	Reviewer	MCE
					Drawing Nr.	06				Rev	01			

Existing View



Photomontage view of the proposed refurbishment




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Viewpoint
Viewpoint 5:
 Looking north east from headland near Ynys Wellt on the Isle of Anglesey Coastal Path

- Photograph Parameters
- Date taken: 24/02/20
 - Camera: Nikon D600 (full frame sensor)
 - Lens: 50mm prime.
 - Camera height: 1.5m
 - Horizontal Field of View: 90°
 - For photograph locations refer to Drawing 04

Client	Anglesey County Council			
Project	Holyhead Breakwater Refurbishment Scheme			

Title					Photomontage View 5				
Size	Scale	Date	Created by	Reviewer	Size	Scale	Date	Created by	Reviewer
A3	NTS	27/03/20	CL	MCE					
Drawing Nr:								07	Rev
									01

Existing View



Photomontage view of the proposed refurbishment




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Viewpoint

Viewpoint 6:
Looking east across Porth Namarch Bay from the Isle of Anglesey Coastal Path

- Photograph Parameters
- Date taken: 24/02/20
 - Camera: Nikon D600 (full frame sensor)
 - Lens: 50mm prime.
 - Camera height: 1.5m
 - Horizontal Field of View: 90°
 - For photograph locations refer to Drawing 04

Client	Anglesey County Council			
Project	Holyhead Breakwater Refurbishment Scheme			

Title					Photomontage View 6					
Size	A3	Scale	NTS	Date	27/03/20	Created by	CL	Reviewer	MCE	
Drawing Nr:				08			Rev			
							01			

Appendix 15

Cultural Heritage

Contents	
15.1	Desk Based Assessment and Heritage Statement

15.1 Desk Based Assessment and Heritage Statement

REPORT

Appendix 15.1 Desk Based Assessment and Heritage Statement

Holyhead Breakwater Refurbishment Scheme

Client: Isle of Anglesey County Council

Reference: PB9014-RHD-BW-XX-RP-C-0161

Status: S0/P01.01

Date: 17 December 2020

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Document title: Appendix 15.1 Desk Based Assessment and Heritage Statement

Document short title: Holyhead Breakwater DBA and HS
Reference: PB9014-RHD-BW-XX-RP-C-0161
Status: P01.01/S0
Date: 17 December 2020
Project name: Holyhead Breakwater Refurbishment Scheme
Project number: PB9014
Author(s): Victoria Cooper

Drafted by: Victoria Cooper

Checked by: Jamie Gardiner

Date: 21/12/2021

Approved by: Jamie Gardiner

Date: 21/12/2021

Classification

Project related

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Table of Contents

1	Introduction	1
2	Description of the Proposed Scheme	1
3	Study Area	2
4	Consultation	2
5	Desk-Based Assessment	5
5.1	Sources	5
5.2	Designated Historic Assets	6
5.3	Non-designated Historic Assets (Onshore)	8
5.4	Non-designated Historic Assets (Offshore)	10
6	Settings Assessment	13
6.1	Approach	13
6.2	Stage 1	13
6.3	Stage 2	15
6.3.1	Holyhead Beach Conservation Area	15
6.3.2	Breakwater County Park	17
6.3.3	Holyhead Mountain Village Conservation Area	19
6.3.4	Salt Island	20
6.4	Step 3	22
6.5	Step 4	23
7	Holyhead Breakwater and Lighthouse	24
7.1	Historic Background	24
7.2	Surviving Structure	26
7.3	Statement of Significance	26
7.4	Impact Statement	28
8	Summary of Potential Impacts	30
9	References	31

Table of Figures

Figure 4-1 Heritage Study Area	3
Figure 5-1 Designated historic assets	7
Figure 5-2 Non-designated Heritage Assets	9

Table of Tables

Table 1: The Principle Historic Values of the Holyhead Breakwater and Lighthouse	27
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Table of Plates

Plate 1: View towards the Breakwater from Porth y Felin House (DRaW (UK) Ltd)	16
Plate 2: View northwards from Holyhead Beach Conservation Area	17
Plate 3: Elevated view of the Breakwater during ascent of Holyhead Mountain from Breakwater Country Park	18
Plate 4: View towards Breakwater from Gunpower Magazine in Breakwater Country Park	19
Plate 5: View eastwards, southwards of the proposed batching plant location showing the George IV Arch (5773) in the foreground towards the Admiralty Pier (14757), showing the Lighthouse on Admiralty Pier (14758) in the distance.	21
Plate 6: View from the of the Harbour Office (5772), looking eastwards, across the proposed locations batching plant location towards the Lighthouse on Admiralty Pier (14758)	21

Appendices

A1	Holyhead Breakwater Level 4 Building Record
A2	Proposed scope of the Visual and Heritage Setting Assessments
A3	Refurbishment Options and Impacts to Heritage Significance Note
A4	Gazetteer of Designated Historic Assets
A5	Gazetteer of Non-Designated Historic Assets (Onshore)
A6	Gazetteer of Non-Designated Historic Assets (offshore)

1 Introduction

The Port of Holyhead is a strategically important international ferry port, providing the main transport link between Ireland and mainland UK. Constructed between 1848 and 1873, Holyhead Breakwater (“the Breakwater”) forms part of the essential infrastructure for the operation of the Port, providing sheltered waters for berthing ferries and other vessels and providing protection to the surrounding coastline from coastal erosion and flooding. The Breakwater is a Grade II* listed Victorian structure and, at a total length of 2.4km, is the longest Breakwater in the UK. At the end of the Breakwater (the roundhead) sits the Grade II-listed Holyhead Breakwater Lighthouse. The Breakwater is formed by a wide rubble mound with a crest around the waterline and a vertical blockwork-walled superstructure on top.

Over time the Breakwater has been subject to considerable wave action, which has led to the displacement and erosion of the rock that makes up the rubble mound and, consequently, a loss of integrity of the rubble mound itself. As a result, the rubble mound has been subject to regular, expensive maintenance through the partial replacement of lost material. The vertical blockwork wall superstructure is subject to periodic damage, which is repaired on an ongoing basis.

In 2017, the Isle of Anglesey County Council (IoACC) commissioned Royal HaskoningDHV to provide an Outline Business Case (OBC) (Royal HaskoningDHV, 2017), the aim of which was to identify a cost-effective, long-term and sustainable solution to the erosion of the rubble mound so that it can continue to provide a stable foundation for the superstructure in order to:

- Maintain Holyhead as a viable commercial centre and support opportunities for regeneration; and,
- Maintain Holyhead as a functioning port.

Following Environmental Impact Assessment (EIA) screening, it was determined that an EIA was required in order to gain Planning Permission for the Holyhead Breakwater Refurbishment Scheme (“the proposed scheme”) from the IoACC. Additionally, in consultation with Natural Resources Wales (NRW) it was determined that an EIA was to be submitted, by agreement, in order to obtain the marine licence. In addition, Listed Building Consent (LBC) will be required from the IoACC.

This report presents the results of a desk based assessment (DBA) (**Section 5**), and settings assessment (**Section 6**) to inform the EIA, and also includes a separate heritage impact statement for the Holyhead Breakwater and Lighthouse (**Section 7**) in support of the LBC application. In 2017, a Level 4 Building Record of the Breakwater was completed by Gwynedd Archaeological Trust (GAT) in accordance with the descriptions of recording levels set out in in *Understanding Historic Buildings: A guide to good recording practice* (Historic England, 2016). The Level 4 Building Record is included in full in **Appendix A1**.

2 Description of the Proposed Scheme

In summary, the proposed scheme comprises the following:

- Seaward side – installation of concrete armour onto the existing rubble mound along the length of the Breakwater, in the form of 18.1m³ Tetrapod units and reinforcing 120-tonne Z-shaped concrete units to prevent displacement;
- Breakwater roundhead (i.e. the terminal section of the Breakwater on which the Lighthouse stands) – rock placement to widen the existing rubble mound, with installation of Tetrapod units and reinforcing Z-shaped blocks on top; and,

- Leeward side – restoration of the existing rubble mound along sections of the Breakwater through the installation of an articulated concrete block mattress (ACBM), and a rock revetment where the existing rubble mound is too steep to accommodate the ACBM.

Two options have been considered with regards to the provision of the concrete armour units:

1. a concrete batching plant and casting yard located on Salt Island; and,
2. Offsite production of the units at a licenced facility to be delivered to site by sea.

3 Study Area

The study area for the DBA comprises the maximum working area for the planned works to the Breakwater plus a 1km buffer. With regard to potential impacts upon the setting of designated historic assets, the study area has been expanded to include a 3km buffer. This area was considered sufficient to encapsulate historic assets that may subject to impact, either directly (physically) or indirectly (physically and non-physical changes to the setting of historic assets), as a result of the proposed scheme. The study area is illustrated on **Figure 4.1**.

4 Consultation

Full details of the scoping responses and pre-application consultation relevant to heritage considerations are set out in Chapter 6 of the EIA Report. A summary of this consultation is presented below.

The local planning authority for Holyhead is the IoACC while NRW is the regulatory authority for marine licensing in Welsh inshore and offshore waters. An EIA Scoping Report was submitted to the IoACC and NRW on 20th April 2020, and formal scoping opinions were issued on 20th August 2020 and 23rd July 2020, respectively.

The responsibilities of the Ministers of the Welsh Government with regard to archaeological and built heritage matters, which extend offshore to the 12nm territorial limit, are administered by Cadw. In addition, there are four regional archaeological trusts in Wales which provide advice on the historic environment across Wales and Anglesey is covered by the GAT; however, it is important to note that archaeological advice to the Local Planning Authorities of North-West Wales, and to others engaged in development in the public and private sectors, is provided by the Gwynedd Archaeological Planning Service (GAPS), a separate and autonomous section of GAT. Consenting authorities will also consult the Royal Commission on the Ancient and Historical Monuments of Wales (RCAHMW) about underwater sites affected by applications for consents and marine licences.

A stakeholder pre-application meeting was held on the 24th of April 2019. Heritage attendees included Keith Williams (Senior Planning Officer (Conservation), IoACC) and Jenny Emmet (GAPS). Following the meeting, pre-application advice was provided by GAPS via email.