



APPENDIX 13-2

PHOTOMONTAGE BOOKLET



Rialtas na hÉireann
Government of Ireland



Ama chomhchastú ag
an Aontas Eorpach
Co-funded by the
European Union



Tionól Reigiúnach
Oirthir agus Lár-Tíre
Eastern and Midland
Regional Assembly



Fáilte
Ireland



Coastal Community
Ros Comáin
County Council



The Hodson Bay Waterfront Park Project is co-funded by the Government of Ireland and the European Union through the EU Just Transition Fund



Hodson Bay Waterfront Park -
Co. Roscommon

Appendix 13-2 Photomontage Booklet

PHOTOMONTAGE OVERVIEW

Photomontages are photorealistic visualisations that superimpose an image of a proposed development upon a photograph or series of photographs. They are intended as graphical representations of how a proposed development will appear in the existing landscape and are used as a tool to inform Landscape and Visual Impact Assessment (LVIA).

This photomontage booklet contains verified photomontages captured and produced by MKO. The verified photomontages are classified as Type 4 Visualisations in the Landscape Institute Technical Guidance Note 06/19 (Landscape Institute, 2019).

The methodology below details the tools and processes used to produce Type 4 photomontages. Photomontages require the use of equipment and processes which provide quantifiable verification data, such that they may be checked for accuracy (as per industry-standard 'AVRs' or 'Verified Views'). Precise survey of features and viewpoint/camera locations. Type 4 visualisations are generally reproduced with scale representation and represent the highest level of accuracy and verifiability.



METHODOLOGY

PHOTOGRAPHY & GNSS GPS SURVEY

Photographic imagery was captured from viewpoint locations using a Full Frame Sensor (FFS) camera with a 50mm focal length prime lens to minimise image distortion. This approach ensures that the photomontages are survey and scale verifiable, reliable, and meet industry standards for visual accuracy.

The camera was mounted on a tripod at an above ground height of approximately 1.5 metres. In line with guidance, the tripod and camera height can be raised above this height by up to 20cm to 1.7 metres (a worse-case scenario) to ensure an unobstructed shot of the landscape if this is required due to interference in the foreground.

Control points within the visible landscape are surveyed using a Trimble DA2 GNSS receiver for the GNSS positioning service. GPS coordinates are recorded for the exact location and position of the tripod mounted camera lens (viewpoint location). Coordinates of each viewpoint location are recorded for each viewpoint in the Photomontage Booklet.

3D MODELLING & RENDERING

A 3D digital model of the Proposed Development was created using 3D modelling software. The scaled digital model is built using the drawings and specifications supplied by the developer. The 3D architectural model is then integrated into a high-resolution topographical model (from the DSM data at 25cm accuracy) together with the viewpoint capture locations in the 3D modelling software.

The model of the proposal is positioned relative to the virtual camera location for photo-matching relative of perspective and scale. 3D models are then rendered into the photographic imagery to show the Proposed Development as a realistic match in terms of perspective, lighting, and scale.

A rendering is applied to the imagery that best represents the proposed materials from which the proposed development will comprise in the light conditions when the photomontage was captured.

LAYOUT & PRESENTATION

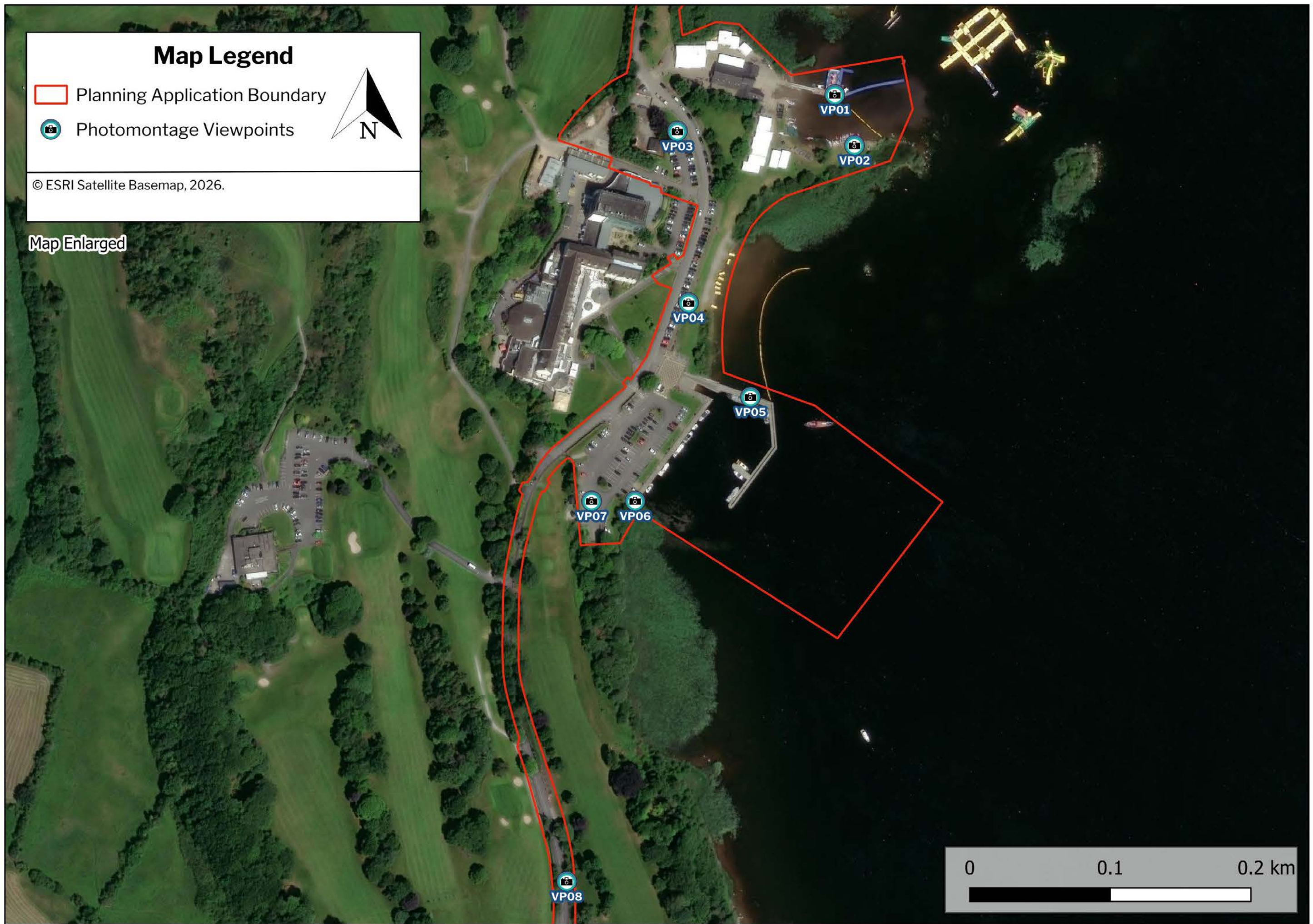
The photomontages are presented at a 39.6° field of view, along with viewpoints which illustrate a 73.7° field of view. The 73.7° field of view due to their very close proximity to the site and ensure as much of the proposed development is included in the photomontage and provide adequate context for the impact assessment.. For scale on A3 paper, best practice guidance recommends presentation of photomontages at 39.6°. The viewpoint's coordinates, the time and date of capture, as well as the camera and lens employed, are recorded. The visualisations in this booklet are presented in the following layouts:

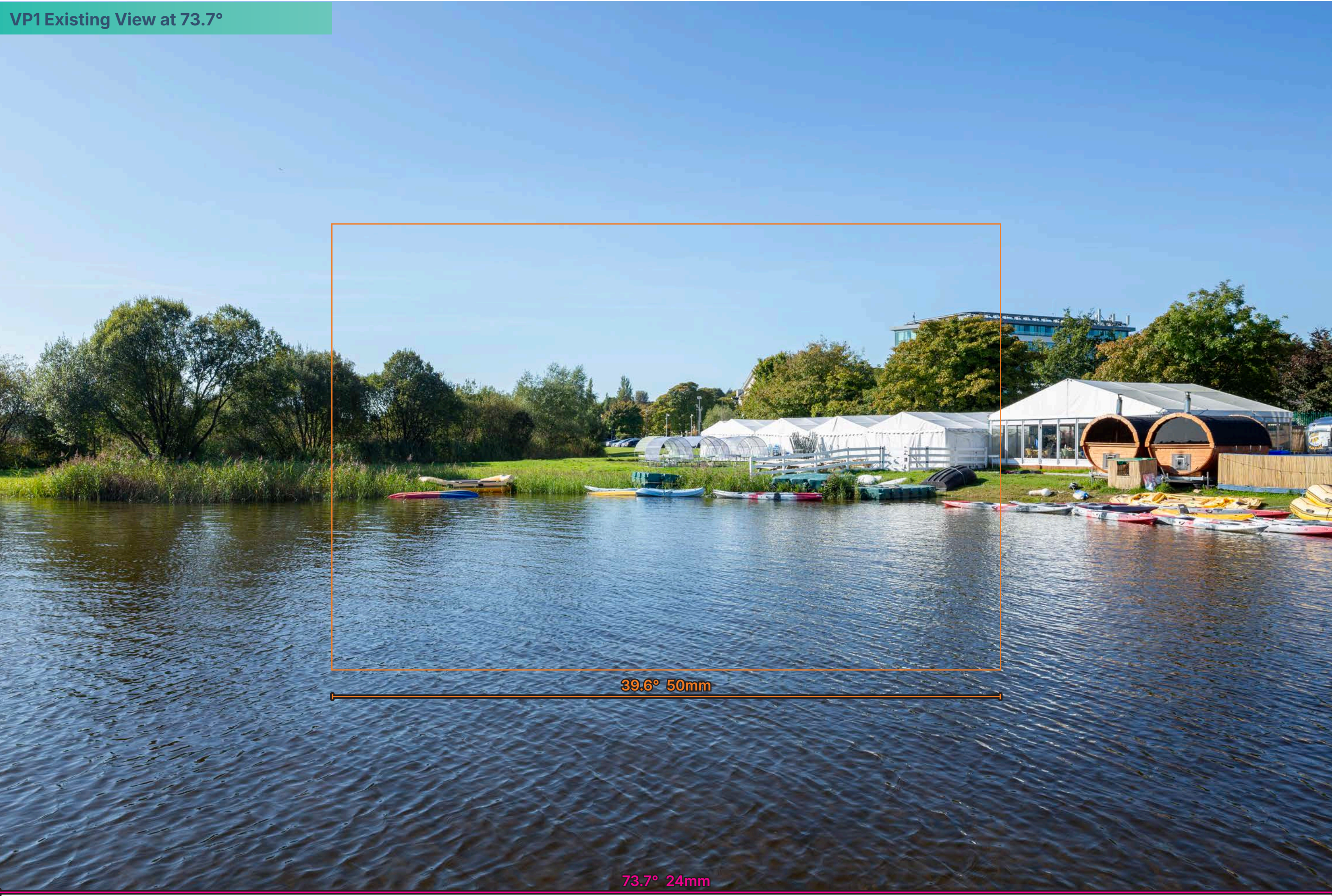
•**Existing Wide Angle View at 73.7° horizontal (24mm lens):** Shows the baseline landscape conditions as it currently exists, with wide angle context.

•**Proposed Wide Angle View at 73.7° horizontal (24mm lens):** Shows a scaled verified render of the Proposed Development within the current landscape with wide angle context.

•**Existing View at 39.6° horizontal (50mm lens):** Shows the baseline landscape conditions as it currently exists, with a focused view.

•**Proposed View at 39.6° horizontal (50mm lens):** Shows a verified render of the Proposed Development within the current landscape with a focused view.





39.6° 50mm

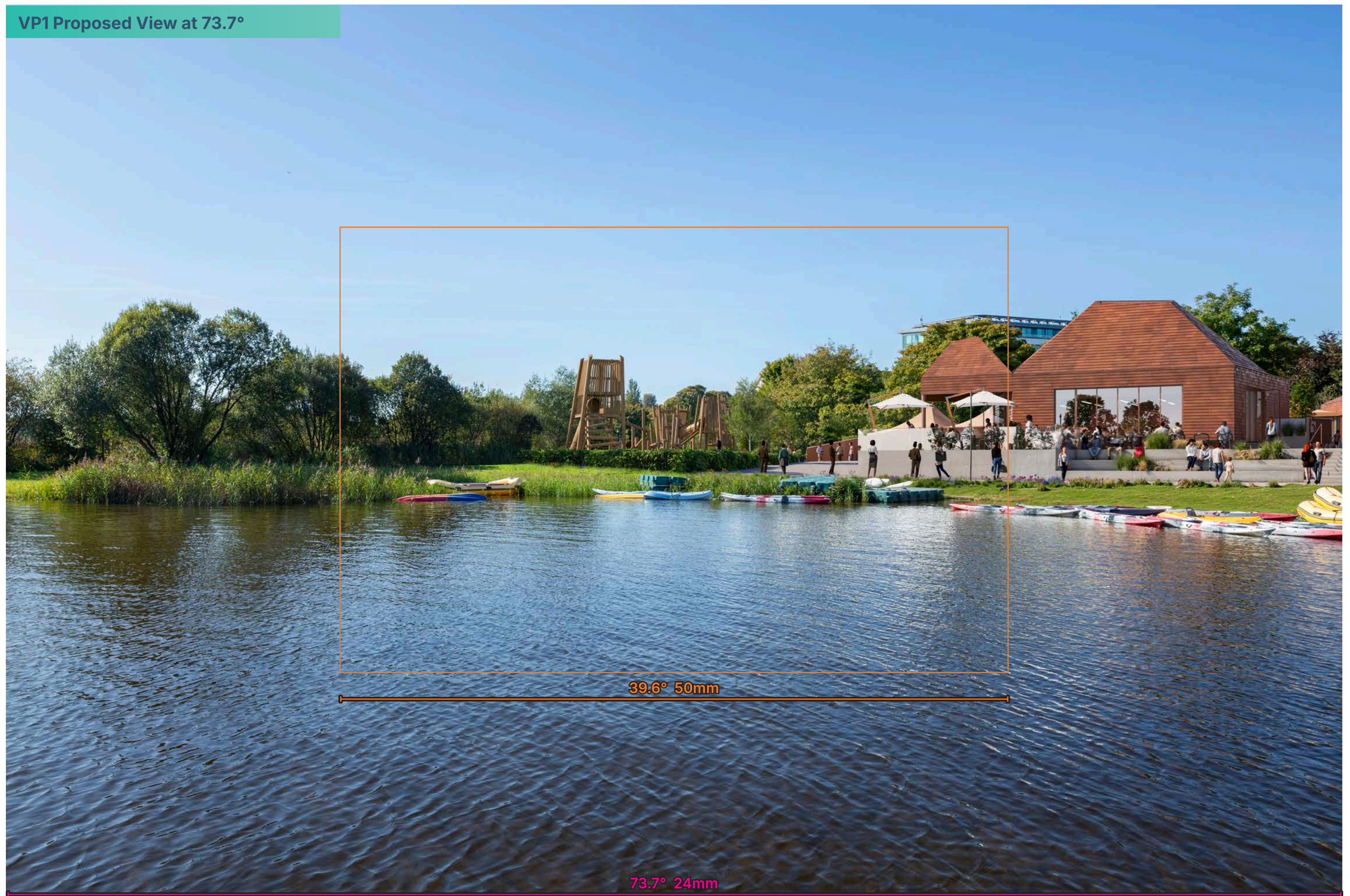
73.7° 24mm

Viewpoint 01: View from the existing pier at Baysports looking inland to the south, focused on the proposed Water Sports Pavilion Building and proposed waterfront and playground..

Viewpoint Location (ITM)
X: 600930 Y: 746590

Time: 11:34
Date: 23/09/2025

Camera:
Canon 5D Mark III



Viewpoint 01: View from the existing pier at Baysports looking inland to the south, focused on the proposed Water Sports Pavilion Building and proposed waterfront and playground..

Viewpoint Location (ITM)
X: 600930 Y: 746590

Time: 11:34
Date: 23/09/2025

Camera:
Canon 5D Mark III



Viewpoint 01: View from the existing pier at Baysports looking inland to the south, focused on the proposed Water Sports Pavilion Building and proposed waterfront and playground..

Viewpoint Location (ITM)
X: 600930 Y: 746590

Time: 11:34
Date: 23/09/2025

Camera:
Canon 5D Mark III

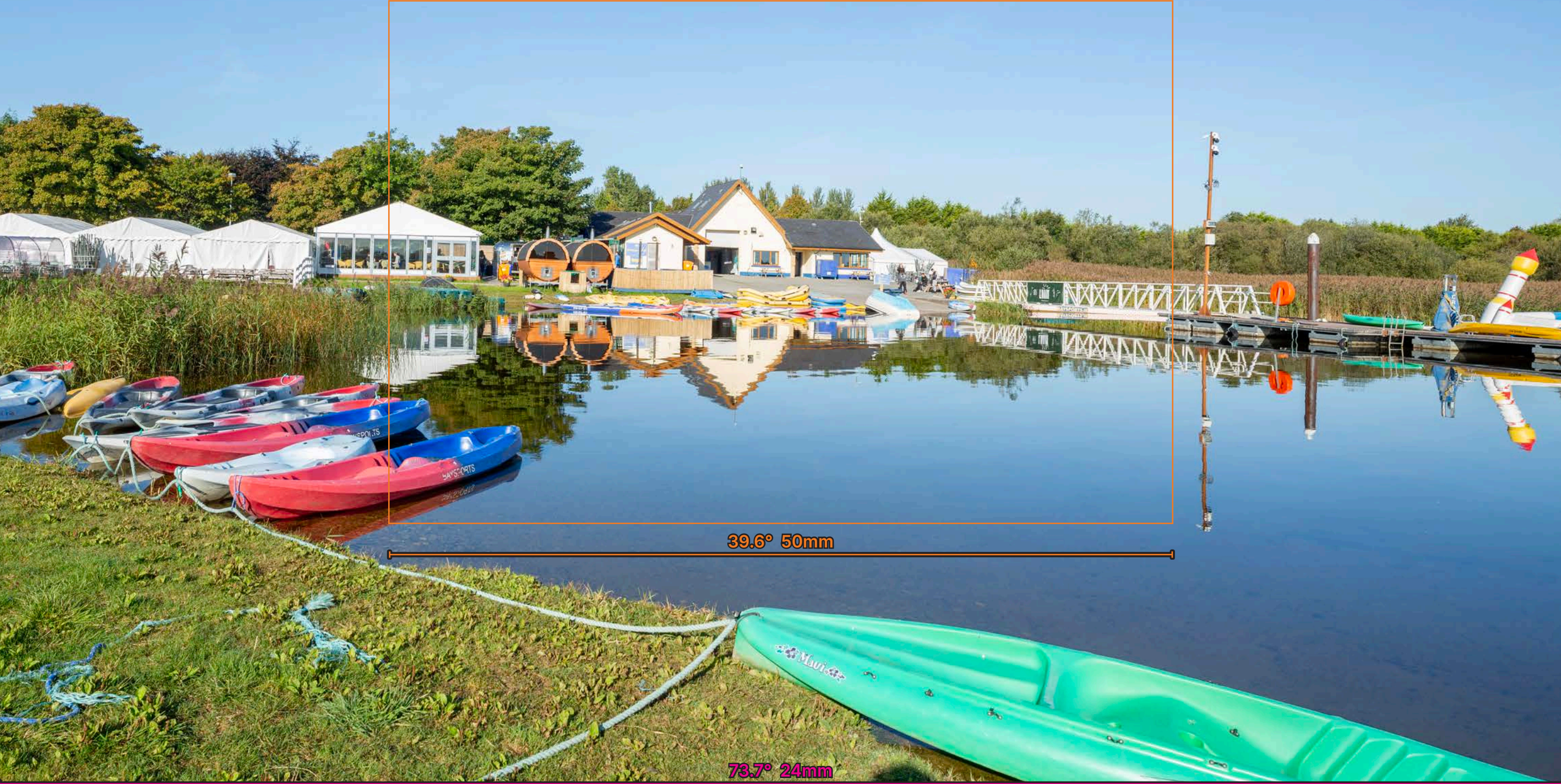


Viewpoint 01: View from the existing pier at Baysports looking inland to the south, focused on the proposed Water Sports Pavilion Building and proposed waterfront and playground..

Viewpoint Location (ITM)
X: 600930 Y: 746590

Time: 11:34
Date: 23/09/2025

Camera:
Canon 5D Mark III



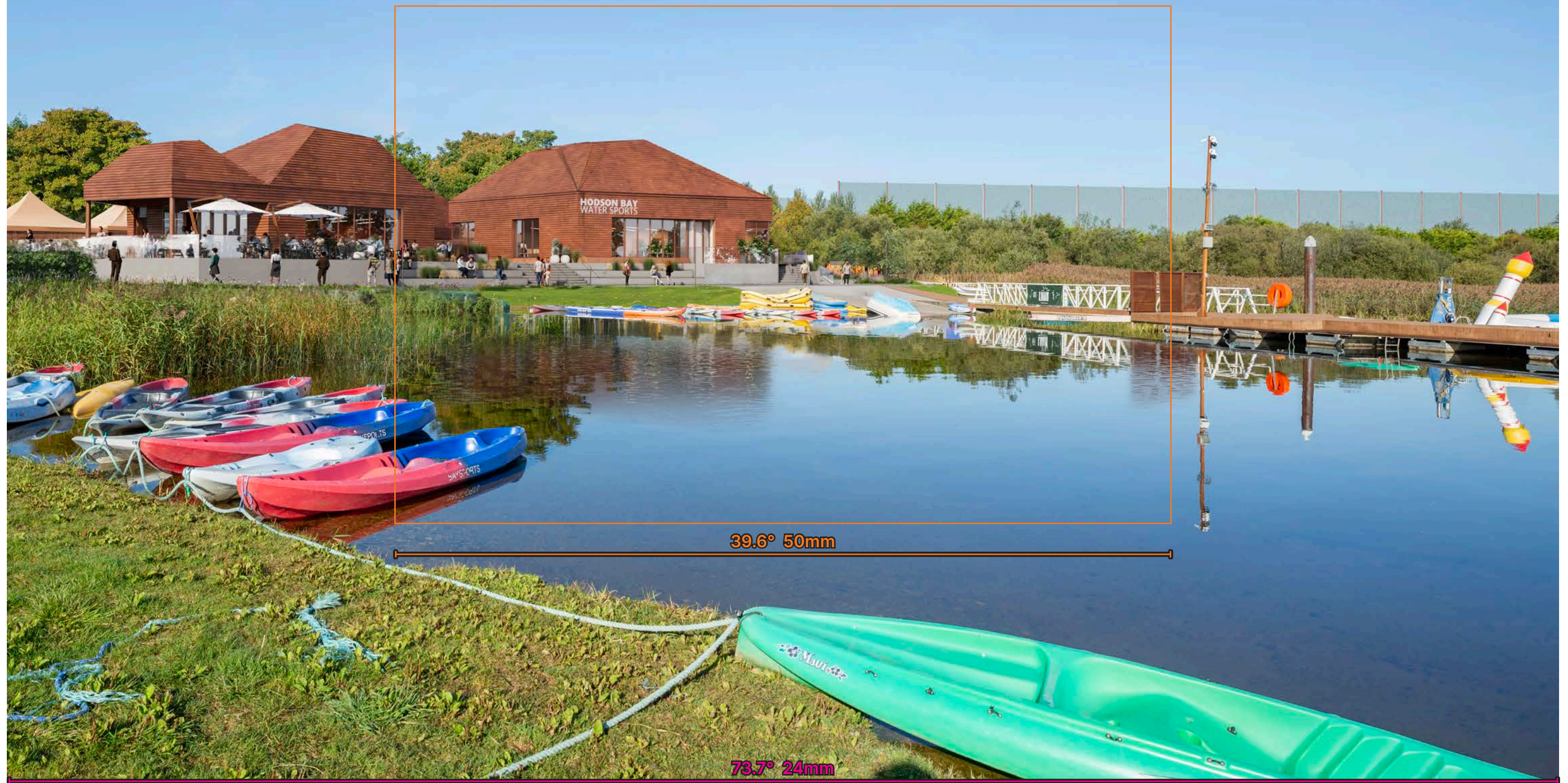
Viewpoint 02: View from the peninsula in front of Baysports, looking inland to the north, focused on the proposed Water Sports Pavilion Building and proposed pier and waterfront.

Viewpoint Location (ITM)
X: 600944 Y: 746554

Time: 10:24
Date: 23/09/2025

Camera:
Canon 5D Mark III





Viewpoint 02: View from the peninsula in front of Baysports, looking inland to the north, focused on the proposed Water Sports Pavilion Building and proposed pier and waterfront.

Viewpoint Location (ITM)
X: 600944 Y: 746554

Time: 10:24
Date: 23/09/2025

Camera:
Canon 5D Mark III



39.6° 50mm

Viewpoint 02: View from the peninsula in front of Baysports, looking inland to the north, focused on the proposed Water Sports Pavilion Building and proposed pier and waterfront.

Viewpoint Location (ITM)
X: 600944 Y: 746554

Time: 10:24
Date: 23/09/2025

Camera:
Canon 5D Mark III





Viewpoint 02: View from the peninsula in front of Baysports, looking inland to the north, focused on the proposed Water Sports Pavilion Building and proposed pier and waterfront.

Viewpoint Location (ITM)
X: 600944 Y: 746554

Time: 10:24
Date: 23/09/2025

Camera:
Canon 5D Mark III



Viewpoint 03: View from the current carpark located inland behind Baysports, looking towards the lake to the east, focused on the rear of the proposed canopy structure within the Water Sports Pavilion Building.

Viewpoint Location (ITM)
X: 600818 Y: 746564

Time: 11:45
Date: 23/09/2025

Camera:
Canon 5D Mark III





Viewpoint 03: View from the current carpark located inland behind Baysports, looking towards the lake to the east, focused on the rear of the proposed canopy structure within the Water Sports Pavilion Building.

Viewpoint Location (ITM)
X: 600818 Y: 746564

Time: 11:45
Date: 23/09/2025

Camera:
Canon 5D Mark III



Viewpoint 03: View from the current carpark located inland behind Baysports, looking towards the lake to the east, focused on the rear of the proposed canopy structure within the Water Sports Pavilion Building.

Viewpoint Location (ITM)
X: 600818 Y: 746564

Time: 11:45
Date: 23/09/2025

Camera:
Canon 5D Mark III

VP3 Proposed View at 39.6°



39.6° 50mm

Viewpoint 03: View from the current carpark located inland behind Baysports, looking towards the lake to the east, focused on the rear of the proposed canopy structure within the Water Sports Pavilion Building.

Viewpoint Location (ITM)
X: 600818 Y: 746564

Time: 11:45
Date: 23/09/2025

Camera:
Canon 5D Mark III



VP4 Existing View at 73.7°



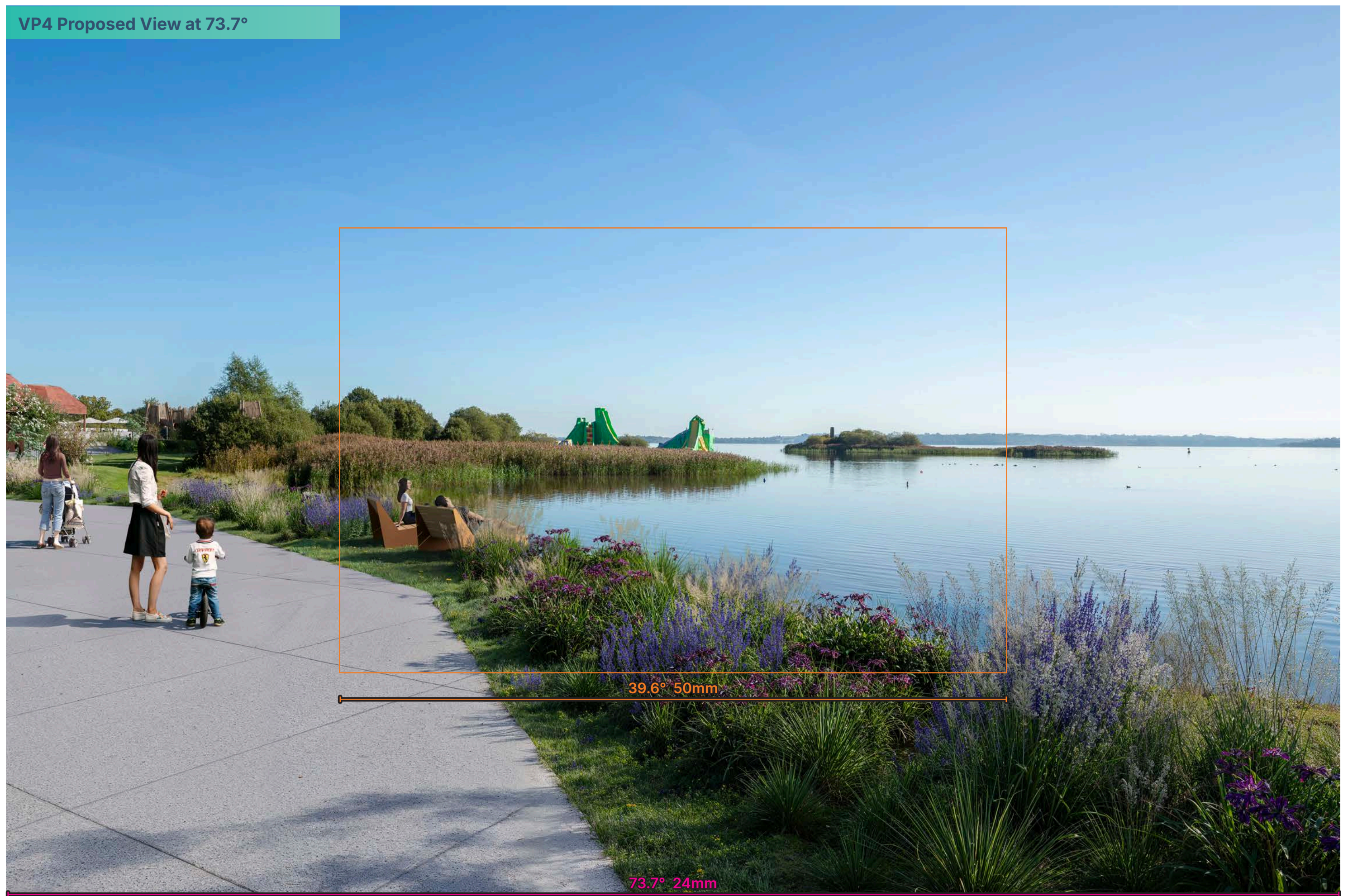
Viewpoint 04: View along the shoreline in front of Hodson Bay Hotel, looking north towards the central area of the proposed Public Realm Upgrades.

Viewpoint Location (ITM)
X: 600826 Y: 746442

Time: 10:03
Date: 23/09/2025

Camera:
Canon 5D Mark III





Viewpoint 04: View along the shoreline in front of Hodson Bay Hotel, looking north towards the central area of the proposed Public Realm Upgrades.

Viewpoint Location (ITM)
X: 600826 Y: 746442

Time: 10:03
Date: 23/09/2025

Camera:
Canon 5D Mark III



Viewpoint 04: View along the shoreline in front of Hodson Bay Hotel, looking north towards the central area of the proposed Public Realm Upgrades.

Viewpoint Location (ITM)
X: 600826 Y: 746442

Time: 10:03
Date: 23/09/2025

Camera:
Canon 5D Mark III



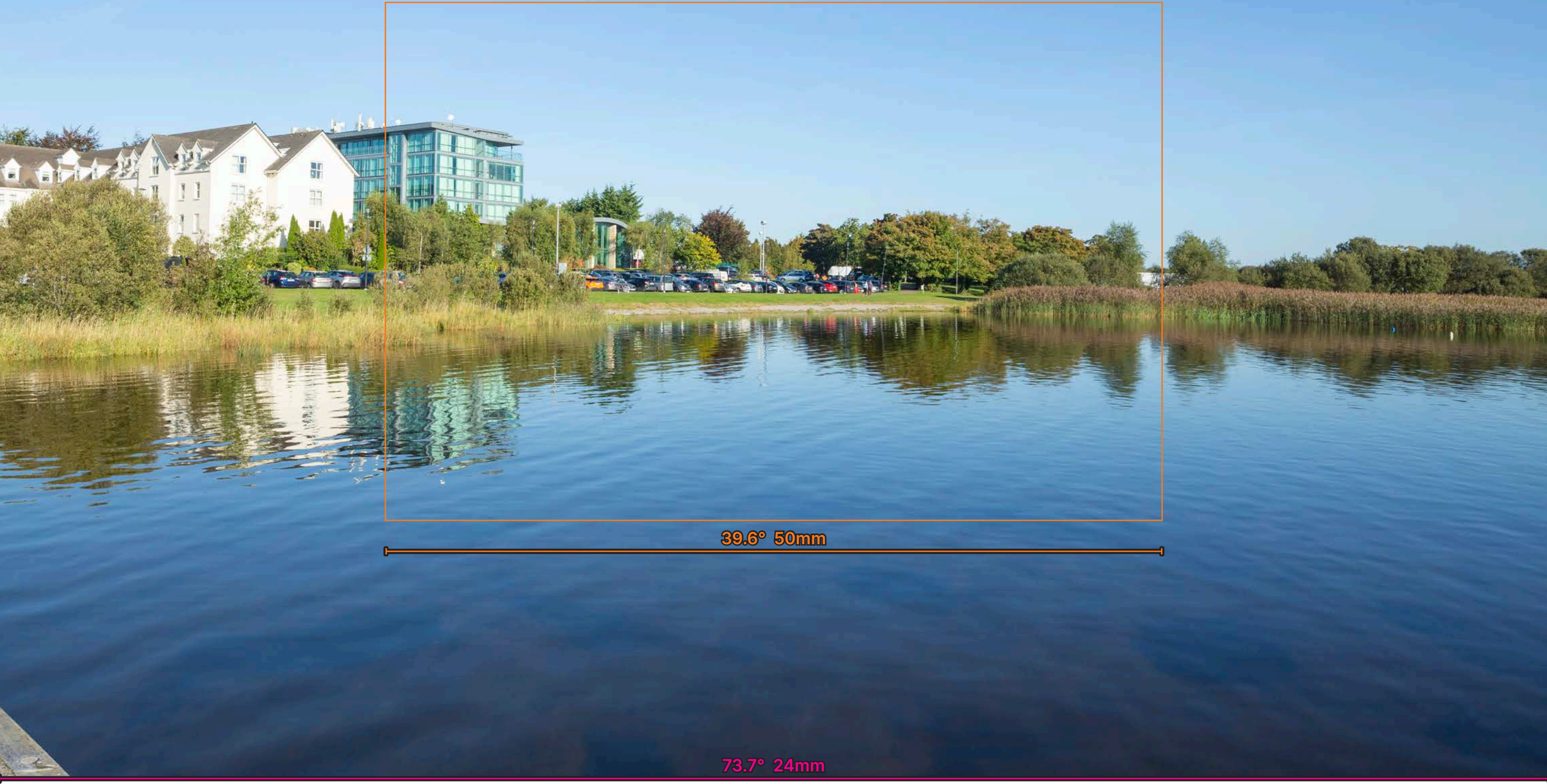


Viewpoint 04: View along the shoreline in front of Hodson Bay Hotel, looking north towards the central area of the proposed Public Realm Upgrades.

Viewpoint Location (ITM)
X: 600826 Y: 746442

Time: 10:03
Date: 23/09/2025

Camera:
Canon 5D Mark III

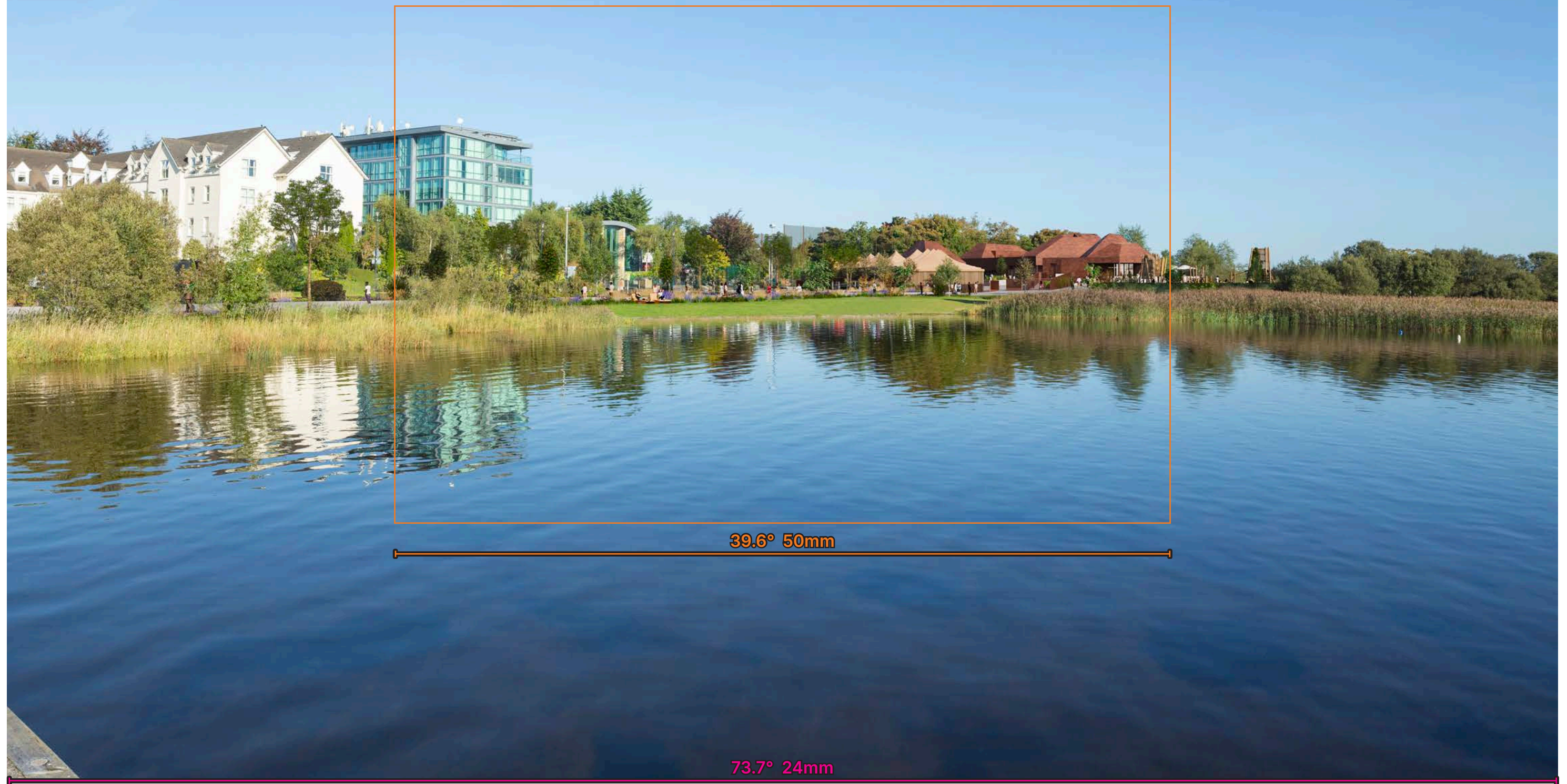


Viewpoint 05: View from the existing pier at Hodson Bay Marina, looking inland and along the shoreline to the north, focused on the proposed Public Realm Upgrades and the Water Sports Pavilion Building.

Viewpoint Location (ITM)
X: 600870 Y: 746375

Time: 09:50
Date: 23/09/2025

Camera:
Canon 5D Mark III



Viewpoint 05: View from the existing pier at Hodson Bay Marina, looking inland and along the shoreline to the north, focused on the proposed Public Realm Upgrades and the Water Sports Pavilion Building.

Viewpoint Location (ITM)
X: 600870 Y: 746375

Time: 09:50
Date: 23/09/2025

Camera:
Canon 5D Mark III

VP5 Existing View at 39.6°



Viewpoint 05: View from the existing pier at Hodson Bay Marina, looking inland and along the shoreline to the north, focused on the proposed Public Realm Upgrades and the Water Sports Pavilion Building.

Viewpoint Location (ITM)
X: 600870 Y: 746375

Time: 09:50
Date: 23/09/2025

Camera:
Canon 5D Mark III



VP5 Proposed View at 39.6°



Viewpoint 05: View from the existing pier at Hodson Bay Marina, looking inland and along the shoreline to the north, focused on the proposed Public Realm Upgrades and the Water Sports Pavilion Building.

Viewpoint Location (ITM)
X: 600870 Y: 746375

Time: 09:50
Date: 23/09/2025

Camera:
Canon 5D Mark III



VP6 Existing View at 73.7°



Viewpoint 06: View from the shoreline at the southeast corner of the Hodson Bay Marina, looking towards the lake to the east, focused on the proposed breakwater of the Marina Redevelopment and Extension.

Viewpoint Location (ITM)
X: 600788 Y: 746301

Time: 12:49
Date: 23/09/2025

Camera:
Canon 5D Mark III



VP6 Proposed View at 73.7°



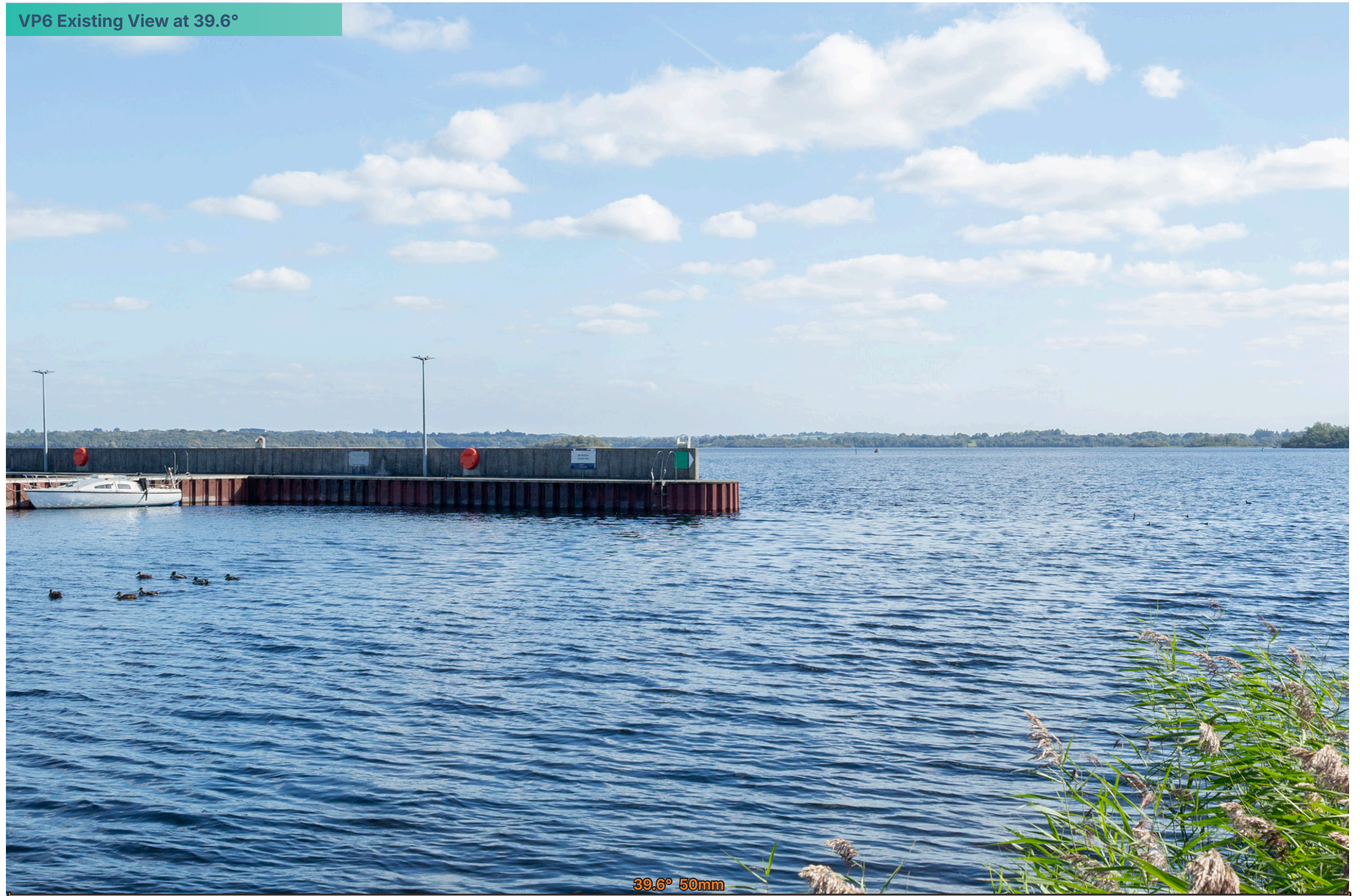
Viewpoint 06: View from the shoreline at the southeast corner of the Hodson Bay Marina, looking towards the lake to the east, focused on the proposed breakwater of the Marina Redevelopment and Extension.

Viewpoint Location (ITM)
X: 600788 Y: 746301

Time: 12:49
Date: 23/09/2025

Camera:
Canon 5D Mark III





Viewpoint 06: View from the shoreline at the southeast corner of the Hodson Bay Marina, looking towards the lake to the east, focused on the proposed breakwater of the Marina Redevelopment and Extension.

Viewpoint Location (ITM)
X: 600788 Y: 746301

Time: 12:49
Date: 23/09/2025

Camera:
Canon 5D Mark III



Viewpoint 06: View from the shoreline at the southeast corner of the Hodson Bay Marina, looking towards the lake to the east, focused on the proposed breakwater of the Marina Redevelopment and Extension.

Viewpoint Location (ITM)
X: 600788 Y: 746301

Time: 12:49
Date: 23/09/2025

Camera:
Canon 5D Mark III



Viewpoint 07: View from the existing carpark at Hodson Bay Marina, looking towards the lake to the east, focused on the proposed landscaping and reconfiguration of parking as part of the Marina Redevelopment and Extension.

Viewpoint Location (ITM)
X: 600757 Y: 746301

Time: 12:40
Date: 23/09/2025

Camera:
Canon 5D Mark III



Viewpoint 07: View from the existing carpark at Hodson Bay Marina, looking towards the lake to the east, focused on the proposed landscaping and reconfiguration of parking as part of the Marina Redevelopment and Extension.

Viewpoint Location (ITM)
X: 600757 Y: 746301

Time: 12:40
Date: 23/09/2025

Camera:
Canon 5D Mark III

VP7 Existing View at 39.6°



Viewpoint 07: View from the existing carpark at Hodson Bay Marina, looking towards the lake to the east, focused on the proposed landscaping and reconfiguration of parking as part of the Marina Redevelopment and Extension.

Viewpoint Location (ITM)
X: 600757 Y: 746301

Time: 12:40
Date: 23/09/2025

Camera:
Canon 5D Mark III



VP7 Proposed View at 39.6°



Viewpoint 07: View from the existing carpark at Hodson Bay Marina, looking towards the lake to the east, focused on the proposed landscaping and reconfiguration of parking as part of the Marina Redevelopment and Extension.

Viewpoint Location (ITM)
X: 600757 Y: 746301

Time: 12:40
Date: 23/09/2025

Camera:
Canon 5D Mark III





Viewpoint 08: View from the L2020 Local Road facing north, focused on the area of road widening along the site access route, with mature trees and golf-stop netting to be altered on either side of the road..

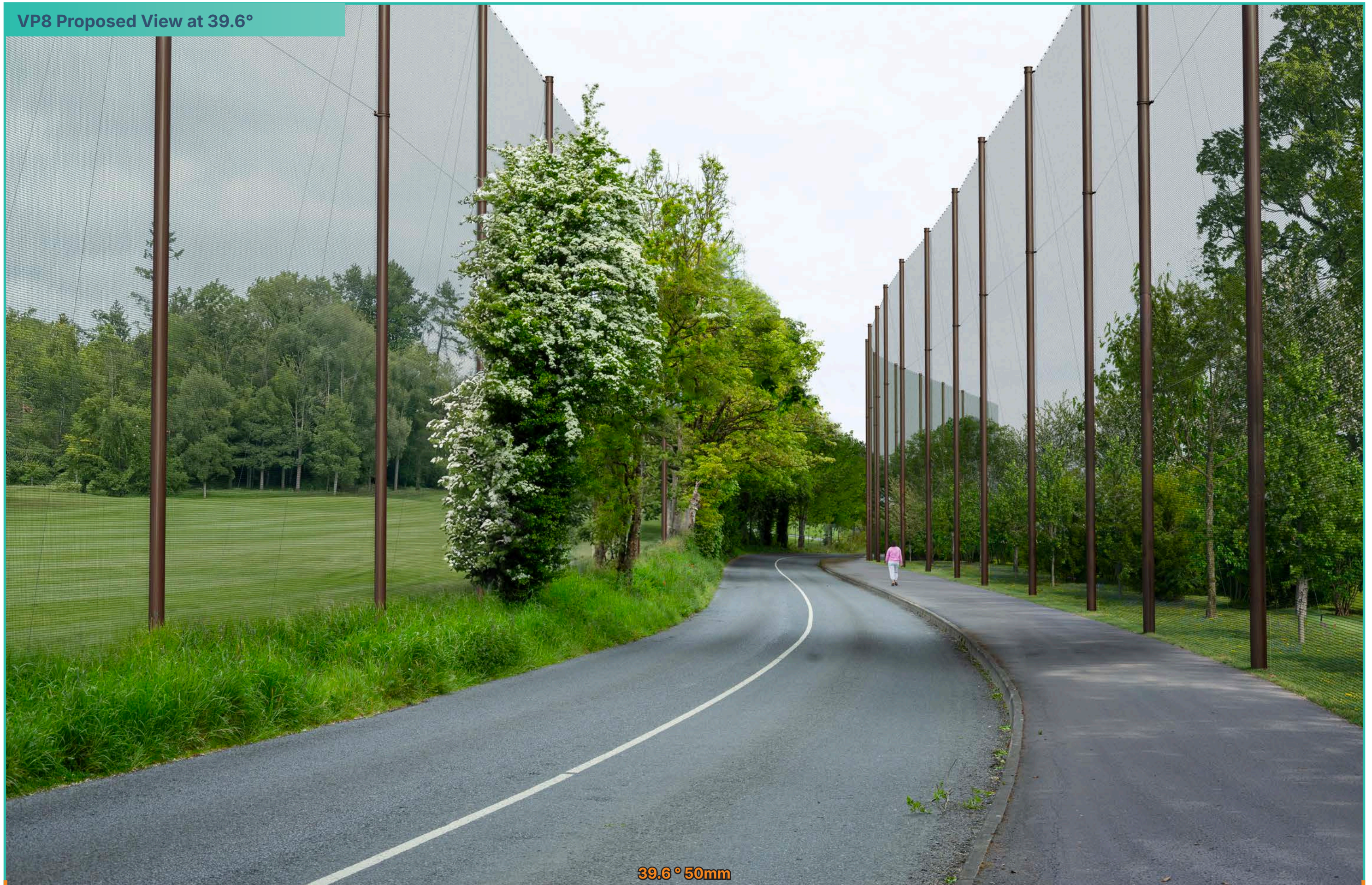
Viewpoint Location (ITM)
X: 600739 Y: 746030

Time: 09:31
Date: 15/05/2026

Camera:
Canon 5D Mark III + 50mm Lens



VP8 Proposed View at 39.6°



39.6° 50mm

Viewpoint 08: View from the L2020 Local Road facing north, focused on the area of road widening along the site access route, with mature trees and golf-stop netting to be altered on either side of the road..

Viewpoint Location (ITM)
X: 600739 Y: 746030

Time: 09:31
Date: 15/05/2026

Camera:
Canon 5D Mark III + 50mm Lens



