

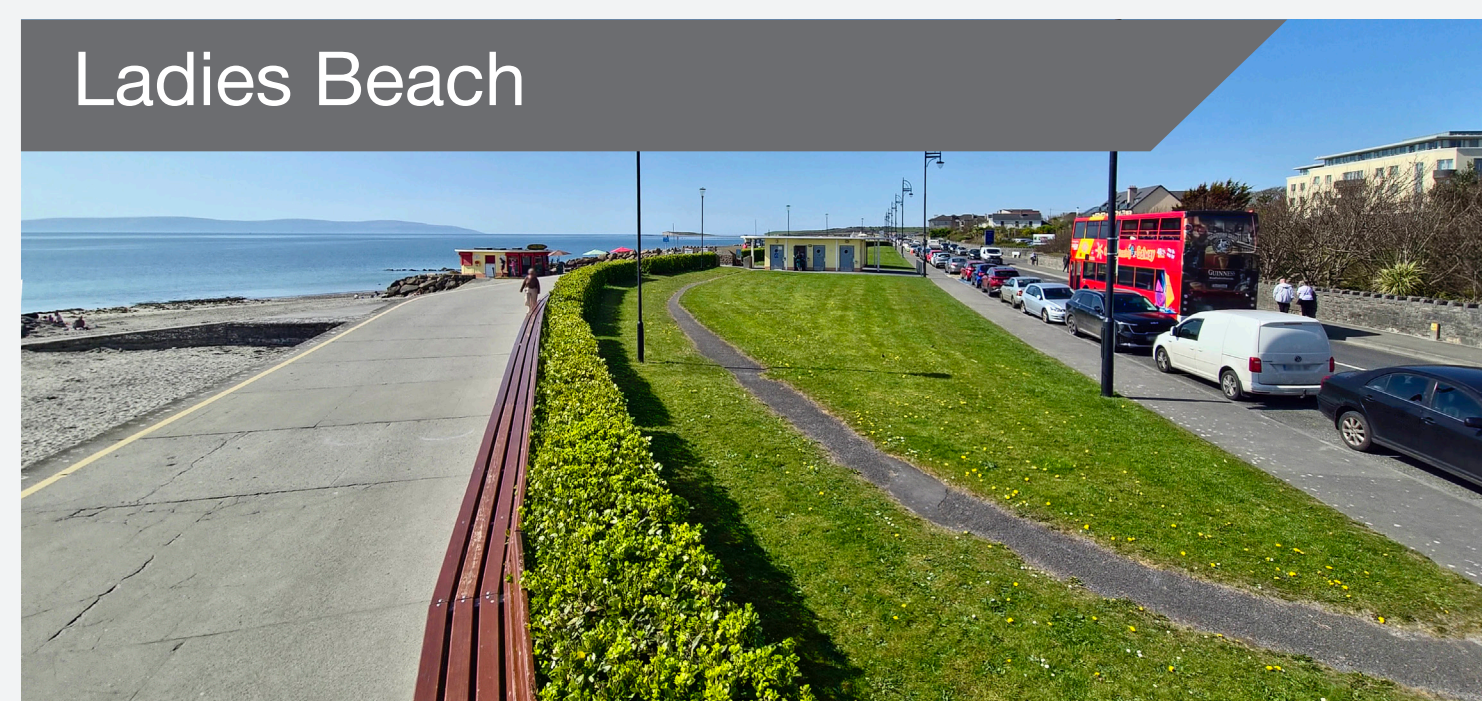
Upper Salthill Road

Upper Salthill Road is a coastal area at risk of tidal and wave overtopping flooding. Options 1 and 2 aim to protect properties and infrastructure while minimising the impact on sea views, the promenade and beaches, allowing extensive access. Option 3 protects all properties at risk of flooding with minimal intervention to reduce disruption to the area but does not mitigate flood risk to the road and associated infrastructure.

Upper Salthill Road Considerations



Existing Scenario



Option 1: Sea-side Wall

This option consists of a flood defence wall along the sea-side of the promenade. It protects the road up to the standard of protection of the scheme. Existing access to the beach will be maintained through the use of demountables/ flood gates. In some locations, the wall has been set back from the seafront to facilitate this access. Ground raising is proposed to reduce the relative feel of the wall height.

Key Features

- 1 0.4m raising of existing footpath
- 2 1.1m flood defence wall above proposed ground
- 3 Existing permeable wall
- 4 1.1m flood defence wall above proposed ground
- 5 1m raising of existing footpath
- 6 Raising the existing car park to match the proposed level of the sea-side footpath



Option 2: Roadside Wall

This option consists of a flood defence wall located behind the promenade. Setting back the wall allows for a reduction in its required height, as the promenade helps break the wave and weaken its energy before it reaches the wall. It protects the road up to the standard of protection of the scheme. Existing access to the beach will be maintained through the use of demountables/ flood gates. In some locations, the wall has been placed at the seafront to retain car parking space along Upper Salthill Road. Ground raising is proposed to reduce the relative feel of the wall height.

Key Features

- 1 0.6m flood defence wall above proposed ground
- 2 Existing permeable wall
- 3 1m flood defence wall above existing ground
- 4 Raising the car park to match the proposed level of the flood defence wall and ensure access and egress without the need of a demountable/flood gate.



Option 3: Minimal intervention

This option makes minimal changes to the existing landscape. It consists of protecting the properties at risk of flooding, while allowing the road, footpaths, and parks to flood during storm events. Alternative emergency access and egress to the Galway Bay Hotel and Ardoon Apartments during a flood event may be required.



Caravan Park

This area is characterised primarily by the Salthill Caravan Park and a settlement of approximately five mobile homes to the east of the park. The Caravan Park is bounded by tidal basin to the west and the sea to the south. The option presented aims to protect the area from tidal and wave overtopping flooding.

Option 1: Flood Defence Wall

This option consists of a flood defence wall surrounding the property up to the standard of protection of the scheme. Ground raising is included along the eastern beach path to block the flow pathway from the beach.

Caravan Park Considerations



Existing Scenario



The artist's impression proposals shown above are intended for illustrative purposes only. Preferred scheme option will be subject to detailed design, including but not limited to technical assessments, planning approvals, further public, and stakeholders' engagement and other statutory or regulatory requirements. The construction materials used and finish/visual appearance of features may differ from those illustrated.