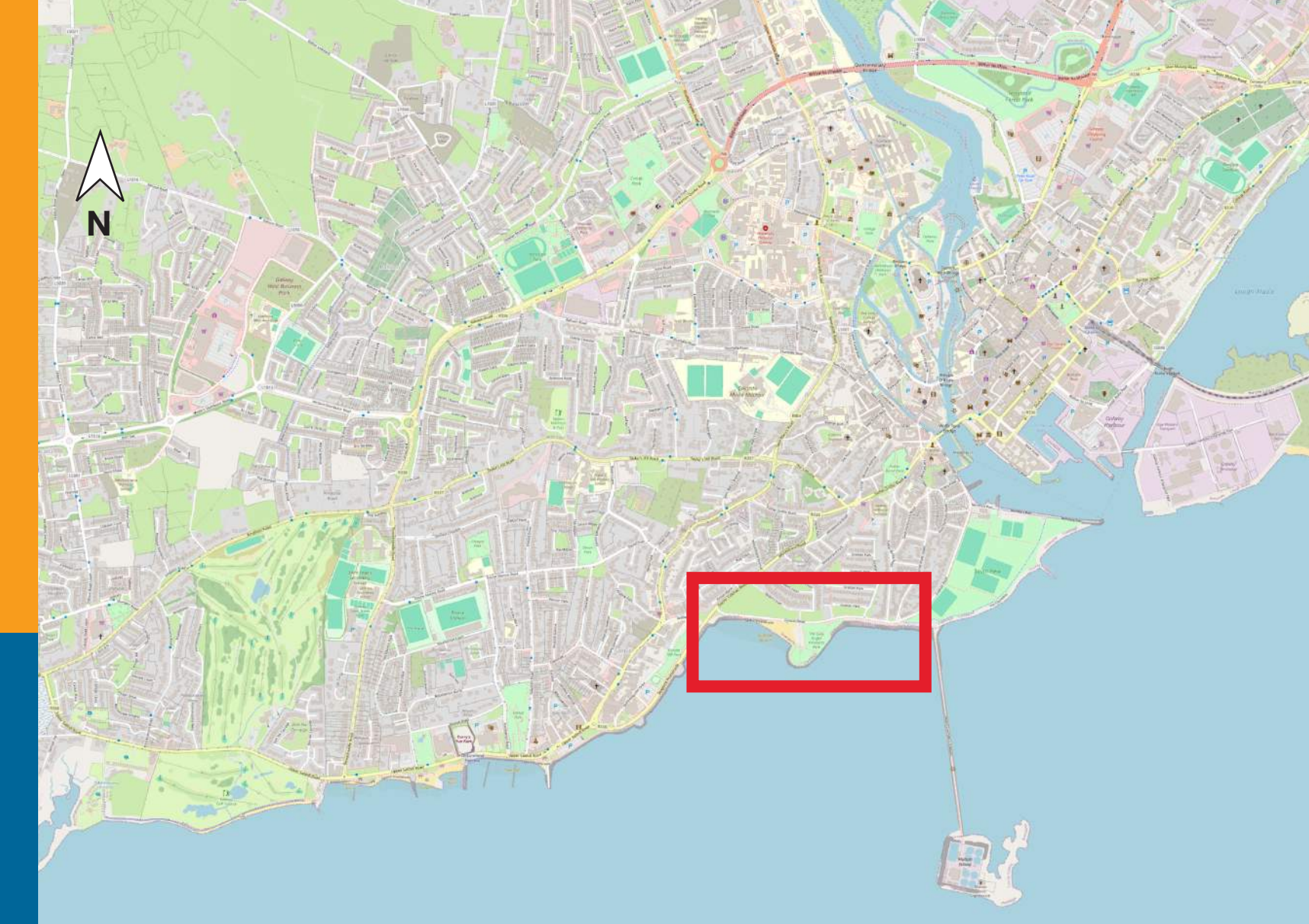


Salthill – Grattan Road



Salthill is a residential area at risk from tidal and wave overtopping flooding. In the Grattan Road area behind Grattan Beach, the main flooding mechanism is wave overtopping. The proposed measures aim to protect properties and infrastructure while trying to minimise the impact on sea views, the promenade, parks, access to Grattan Beach, and activities in this location, such as walking and running

Grattan Road Considerations



Existing Scenario

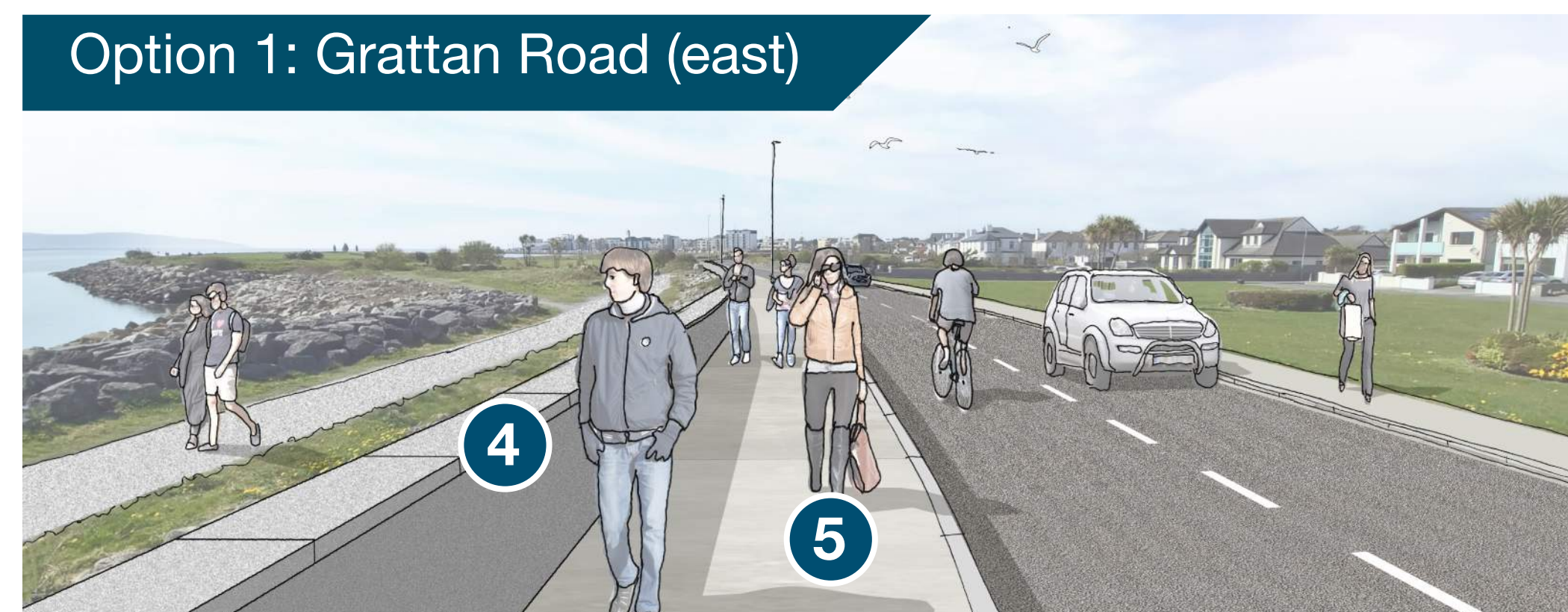
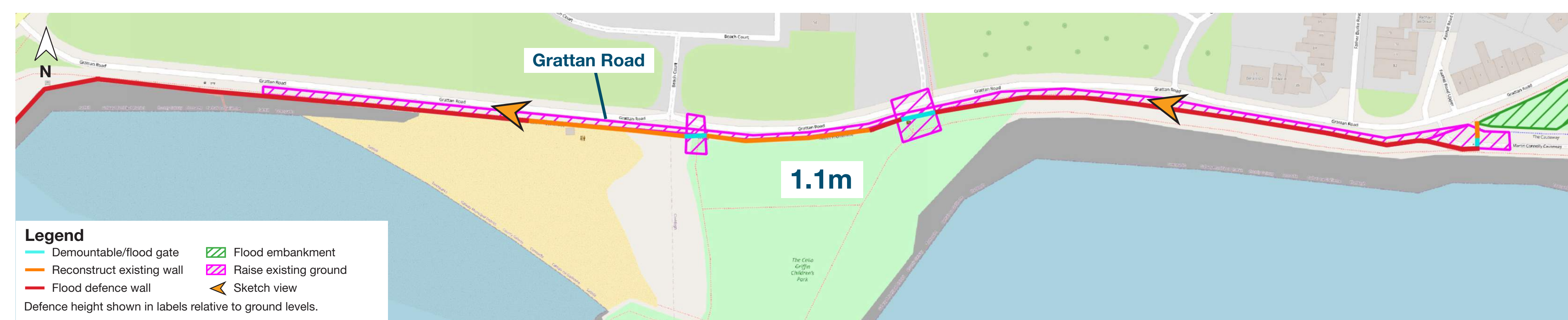


Option 1: Sea-side Wall

This option consists of a flood defence wall along the sea-side of the promenade. It protects the road and footpaths up to the standard of protection of the scheme. Existing access to the beach will be maintained through the use of demountables/ flood gates.

Key Features

- 1 1.1m flood defence wall above proposed ground
- 2 0.1 - 0.3m raising of existing footpath
- 3 Existing permeable wall
- 4 1.1m flood defence wall above proposed ground
- 5 0.1 - 0.3m raising of existing footpath

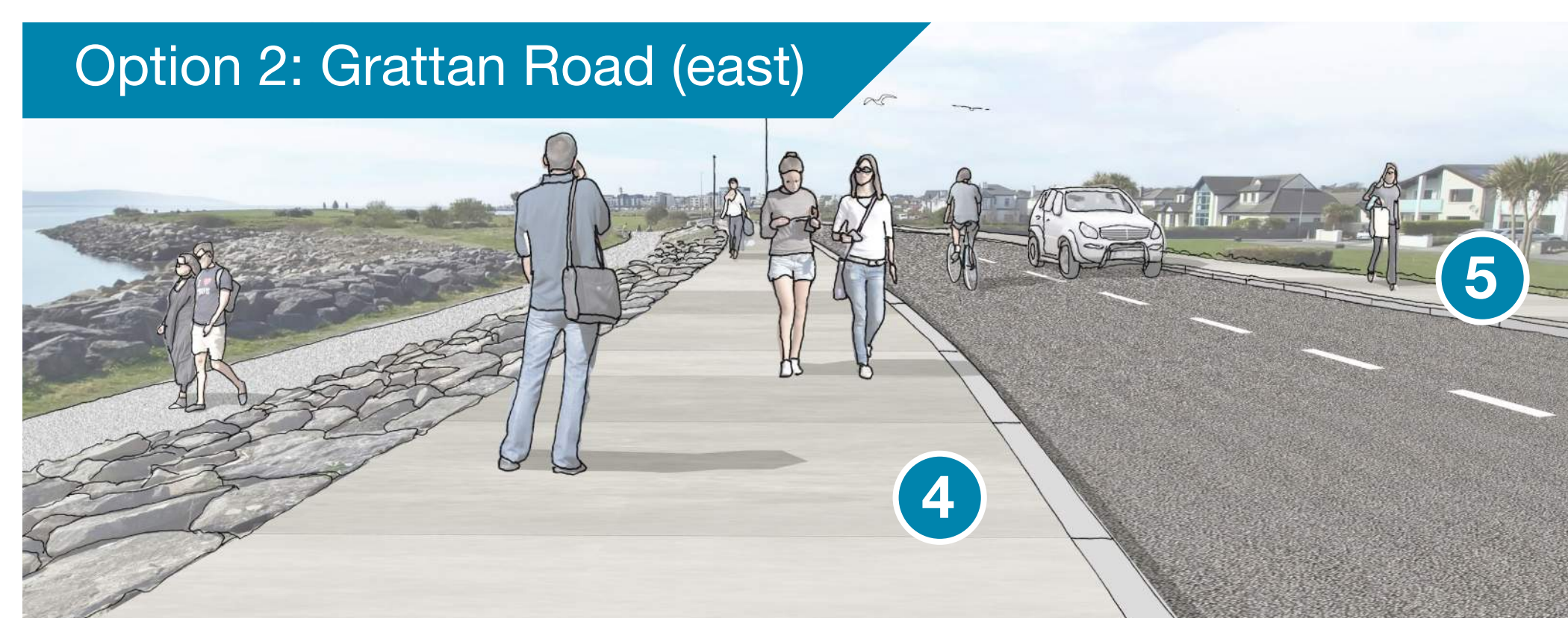
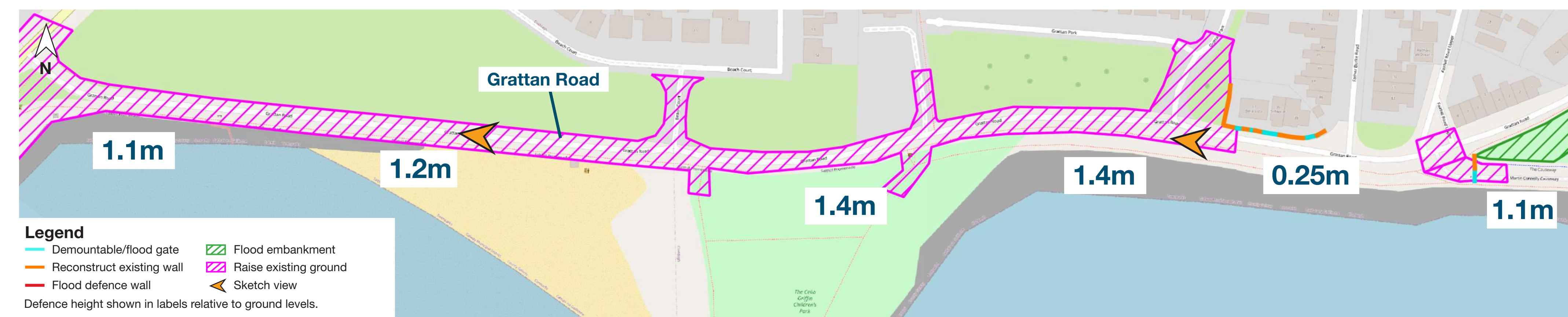


Option 2: Road Raising

This option consists of raising of the road and footpaths. The road and footpaths are protected up to the standard of protection of the scheme. This option maintains sea view from the road and footpaths.

Key Features

- 1 1.1m permeable railing above proposed ground
- 2 1.1 - 1.4m raising of existing road and footpath
- 3 1.1m permeable railing
- 4 1.4m raising of existing road and footpath
- 5 Sloped green area to tie in with existing green space



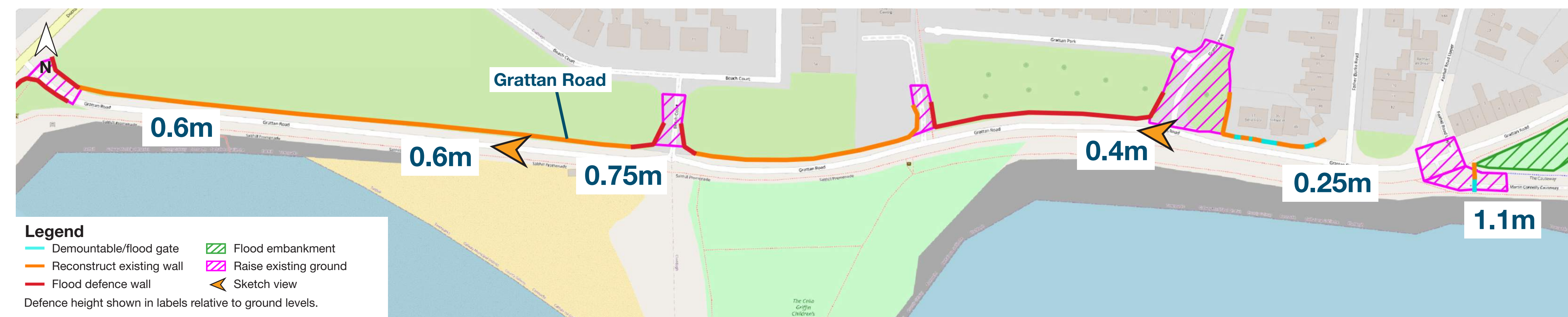
Option 3: Backside Wall

This option consists of a flood defence wall located on the other side of the road. The existing wall will be reconstructed as a flood defence wall. 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. This option does not provide protection to the road or footpaths. Beach access is not impacted.

Key Features

- 1 0.6 - 0.75m flood defence wall above existing ground
- 2 0.25 - 0.4m flood defence wall above existing ground

Note: In combination with the above, raising the ground or adding a low wall on the sea-side of the promenade would provide a higher standard of protection for the road and footpath than currently exists. This would reduce the frequency of road closures during minor flood events.



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.