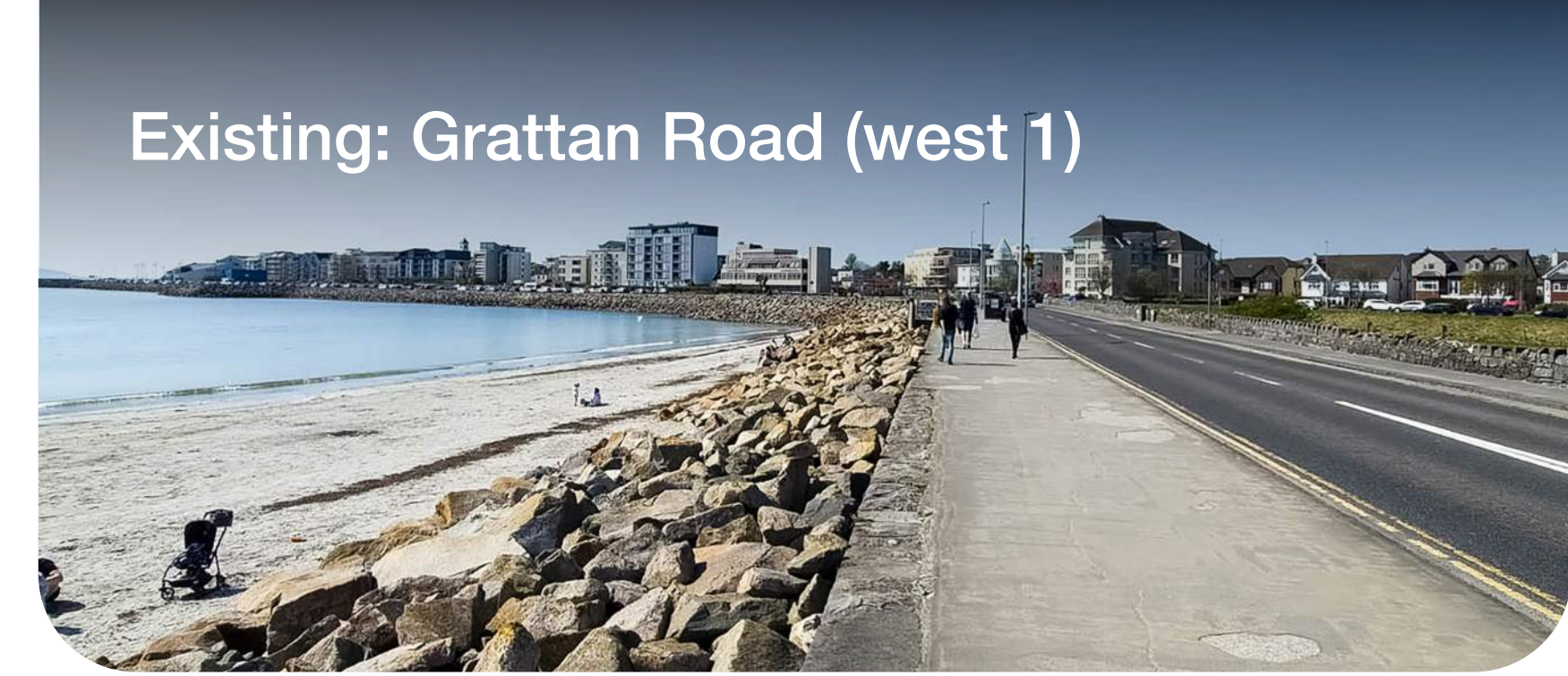


Salthill is a residential area at risk from tidal and wave overtopping flooding. In the Grattan Road area behind Grattan Beach, the main flooding mechanism is wave overtopping. The proposed measures aim to protect properties and infrastructure while trying to minimise the impact on sea views, the promenade,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



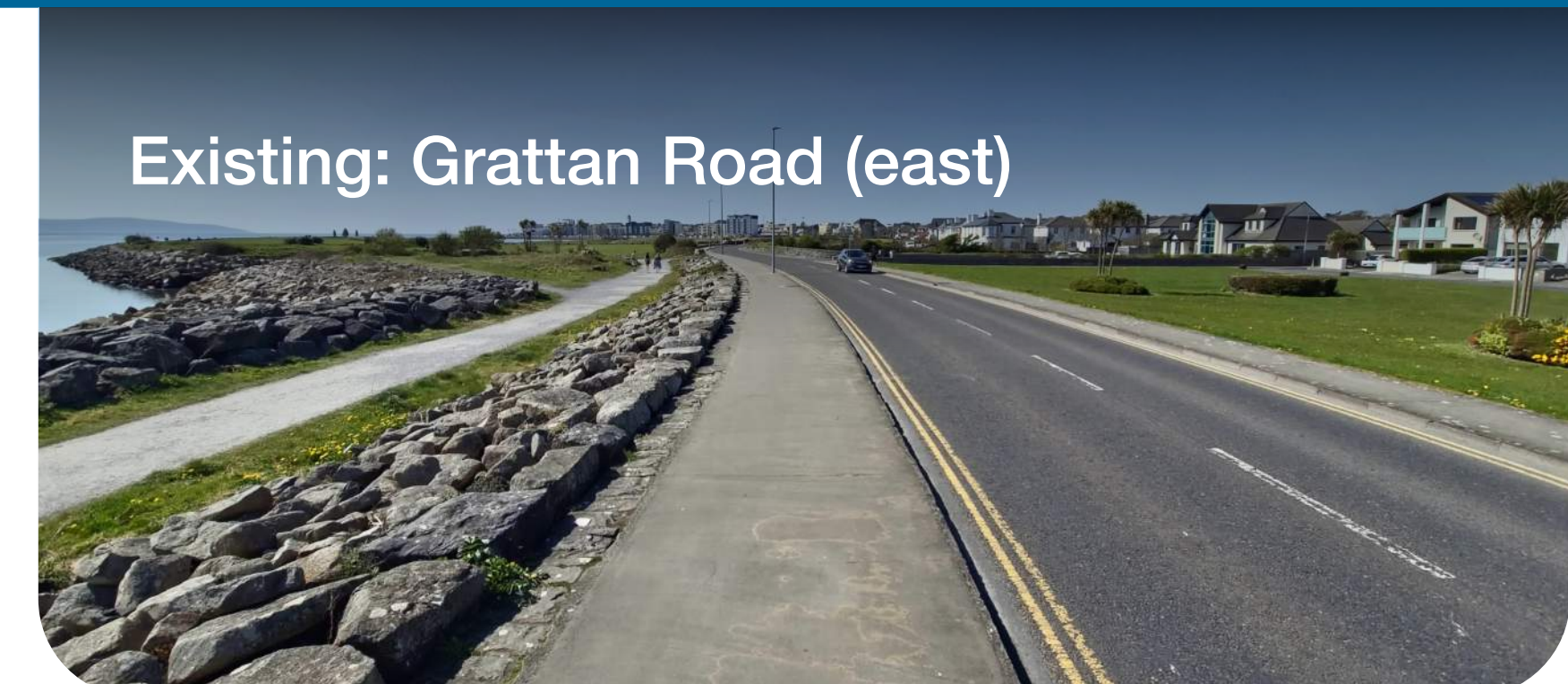
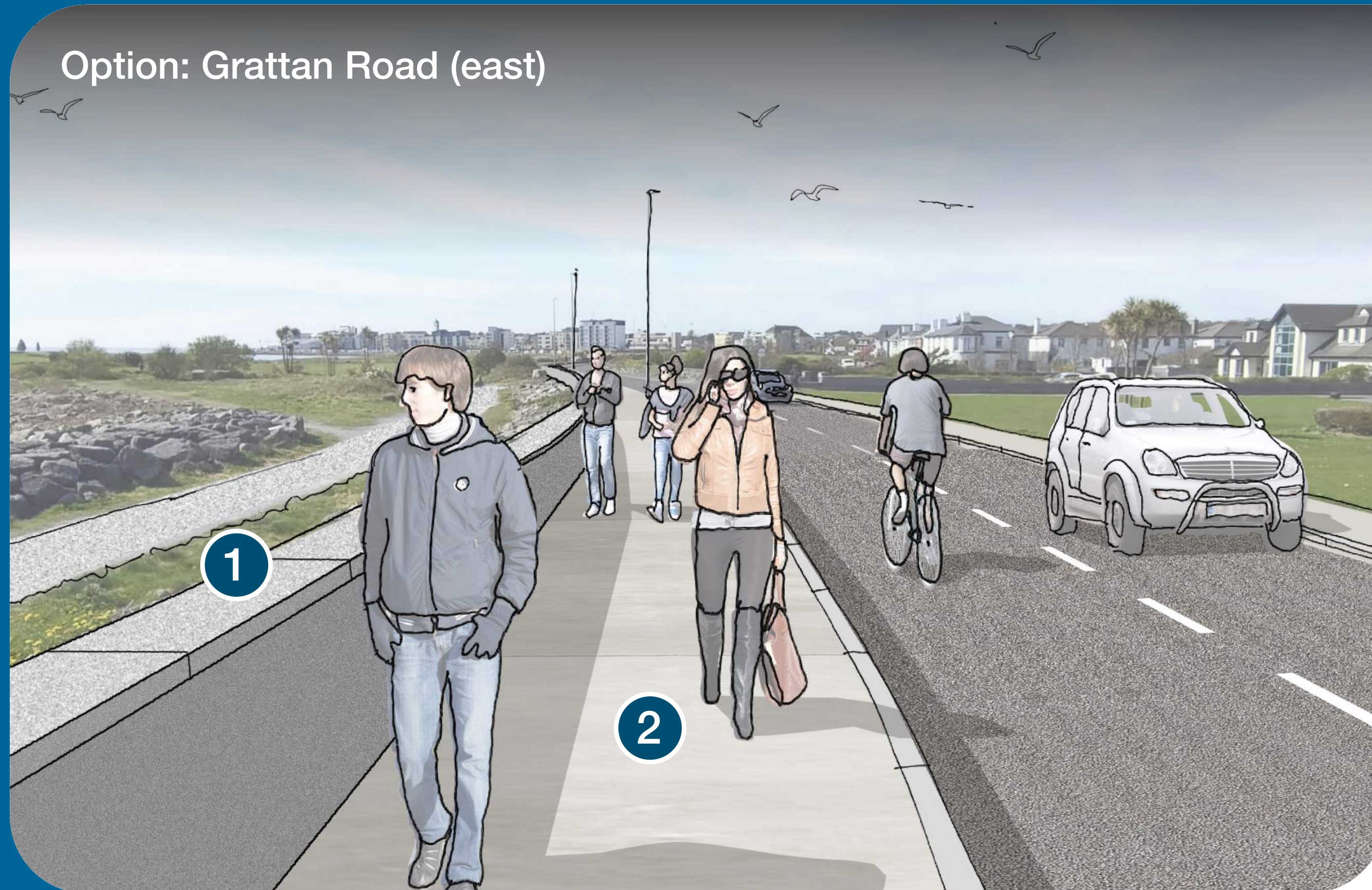
Key Features

- 1 0.75 - 0.85m flood defence wall above existing ground



Key Features

- 1 Backside wall tying into the crest level of the regraded road
- 2 1.5m raising of existing road
- 3 Sea-side wall tying into the crest level of the regraded road



Key Features

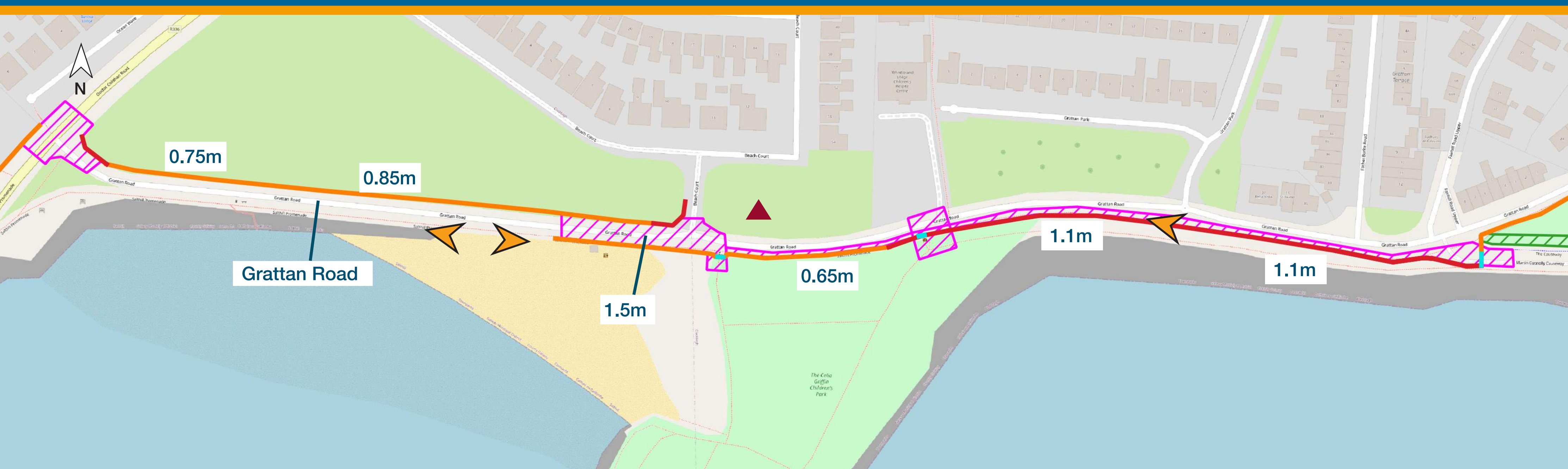
- 1 1.1m flood defence wall above proposed ground
- 2 0.1 - 0.3m raising of existing footpath



Emerging Preferred Scheme Sea-side and backside wall

This option consists of a flood defence wall located on the other side of the road, behind Grattan Beach. 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.

Further east, the backside wall transitions into a sea-side wall through regrading of the road.



Legend

- Demountable/flood gate
- Reconstruct existing wall
- Flood defence wall
- Raise existing ground
- Flood embankment
- Sketch view
- Pump Station*

*All pump stations will be located underground.

Defence height shown in labels relative to ground levels.

The artist's impression proposals shown above are intended for illustrative purposes only. The Emerging Preferred Scheme will be subject to detailed design, including but not limited to technical assessments, planning approvals, further public and stakeholder engagement, and other statutory or regulatory requirements. The construction materials used, and finish/visual appearance of features may differ from those illustrated. Consultation with other ongoing GCC infrastructure projects will continue to ensure alignment with the Emerging Preferred Scheme.