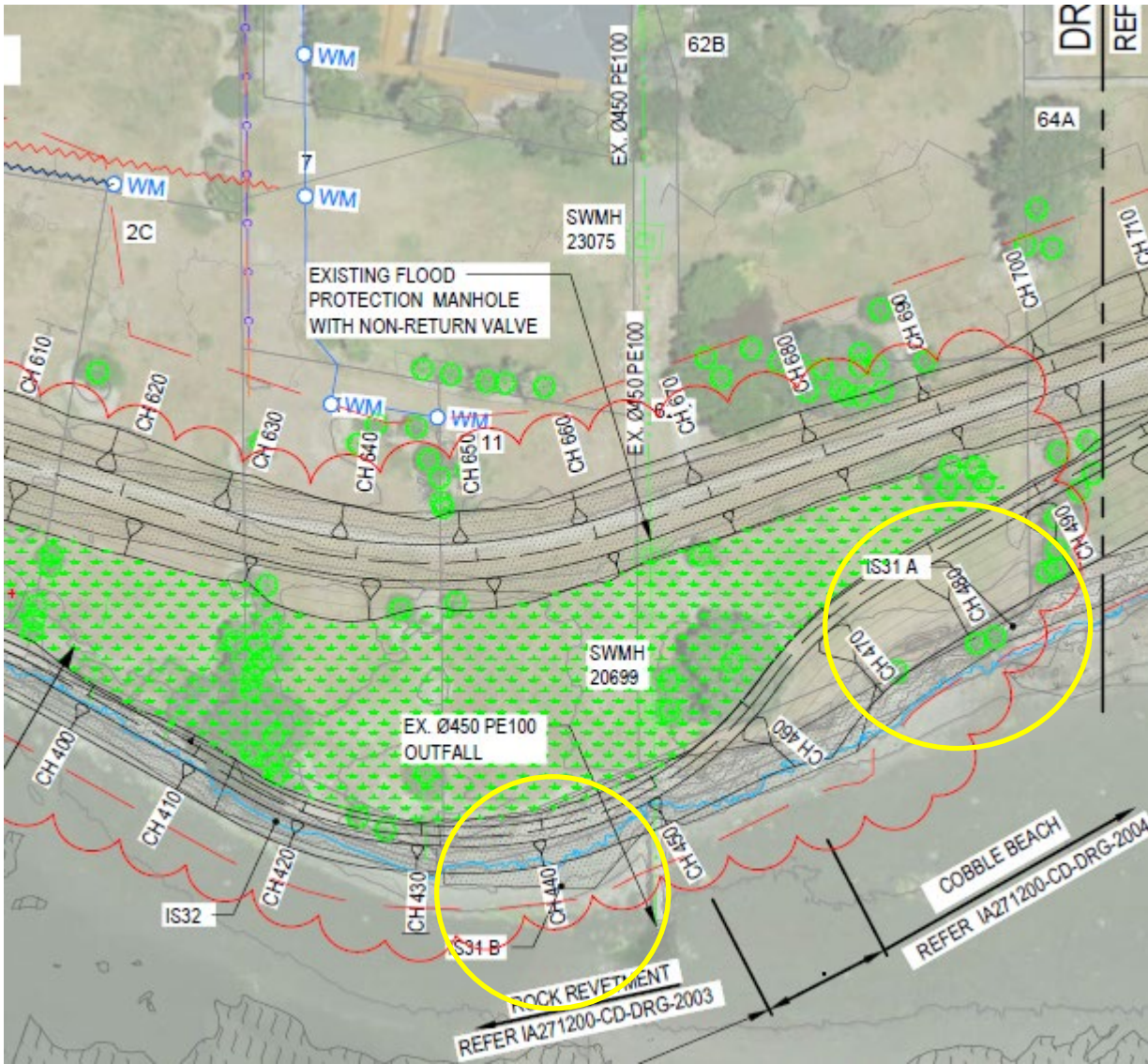


Table 1 | Current Resource Consents

Consent Reference	Description of structure	Drawing Reference	Snip of location	Comment
CRC084411	De Minimis Structural works within the Coastal Marine Area - landscaping	General Arrangement Drawing Sheet 4		No detail on the approved structure available via ECan's consent search function (https://www.ecan.govt.nz/data/consent-search//consentdetails/CRC084411/CRC084411#related) Landscape structure adjacent to the former 11A Kingfisher Avenue property boundary extent is assessed as forming part of the consented environment. Consented – the length of wall relating to the former property boundary along this section.

Circled in yellow.

CRC193248

Retrospective – emergency works to repair and widen existing bund and erosion protection works including rock armouring

Scope of resource consent CRC193248

On the afternoon of 21 July 2017 an extreme weather event in Christchurch led to extensive tidal flooding of roads and private property in South New Brighton (SNB) and Southshore. In response, Christchurch City Council (Council) carried out emergency works, pursuant to s330 of the Resource Management Act 1991(the Act), to construct a flood risk reduction bund along the existing access path, adjacent to the Jellicoe Marsh, in the Southern Section of the South New Brighton Park (SNBP). Emergency works were also undertaken further south on Residential Red Zone (RRZ) land, in Southshore, to fill critical gaps in the existing high ground and to extend the existing landscape feature further south.

On the 24 August 2017 Council considered a staff report on Southshore Floodplain Management Short Term Options, including the Beca options report and Aurecon peer review of a report commissioned by the community. Council resolved that the short term flood risk reduction structures, created at the time of the flooding, would remain, in-situ, until such a time as wider solutions are found for floodplain management for Southshore and SNB.

Subsequently, CH2M Beca Ltd (Beca) has been engaged to prepare and apply for retrospective resource consent for the emergency works pursuant to s330A of the Act.

In addition to the emergency works the following further works are proposed and seek resource consent;

- Stabilisation of emergency works undertaken adjacent to the Jellicoe Marsh;
- Widening of the existing bund in the southern area of the Jellicoe Marsh; and
- Erosion protection works adjacent to the existing landscape feature including a total 50m of rock armouring at the Estuary edge within the Coastal Marine Area (CMA).



Figure 2 - Bund overview plan (Image source: Google Earth)

CRC193248 authorises a range of emergency works, originally carried out in 2016/2017 in response to repair works to the existing landscape feature, construction of a flood risk reduction bund along Jellicoe Marsh and a small portion (approximately 50 m) of erosion protection structure along the edge of the estuary within the CMA.

Screen captures of the description of the works and an overview plan are included in the column to the right. To summarise the following works are authorised by CRC193248:

- Works to the bund around Jellicoe Marsh including a new bund being constructed
- Infill / repairs to the landscape bund
- Erosion protection in the CMA at the end of Heron Street and adjacent to 44 A Rocking Horse Road (approximately 25 m in each location).

The application also confirms the landscape bund was formed by the Canterbury Earthquake Recovery Authority (CERA).

The Officer's report acknowledges the presence of informal debris placement within the CMA in this overall project area, noting specifically the length of time the debris has been present and that the applicant has not been involved in the placement of it. Additionally, the officer notes that without the applicant's project, debris would remain in the CMA and is unlikely to be removed, continuing to have an effect on the estuary edge (Para. 104 to 108, s42AReport, CRC193248).

At Para 110, the officer notes the *“formalisation of debris if likely to have a positive impact on the estuary edge in allowing local ecology to inhibit a formal structure that is more appropriately engineered for the estuary environment, such as structure is also less likely to be disturbed in the future.”*

At Para 111, the officer's assessment states *“I therefore consider that when assessing the potential adverse effects of the proposal, that it is appropriate to consider the effects assessment from the view that the informal debris has already had an impact on the quality of the environment and local ecology of the estuary edge, and that the estuary edge in this area is already a modified environment.”*

ECan's previous approach in relation to the informal structures located within the Southshore environment has been to accept these form part of the modified environment.

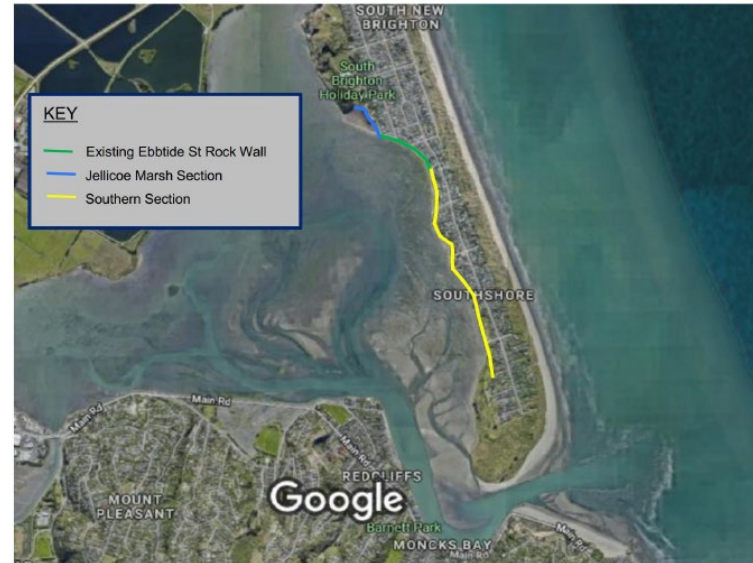


Figure 2: Overview of project site and location of works.

Emergency works

16. Emergency works were undertaken within the Southern Section, specifically at the road ends of Godwit, Heron, Plover, Penguin and Tern Streets.
17. Emergency works were also required south of Tern Street extending the bund to the south and fronting private properties, namely 44A and 78 Rocking Horse Road in Southshore.
18. These works involved the deposition and compaction of aggregate directly on top of the existing ground. No excavation occurred during the emergency works in the Southern Section.
19. The emergency works partially encroach the CMA where it traverses 44A Rocking Horse Road and the road end of Heron Street. The works have now been topsoiled and hydroseeded.

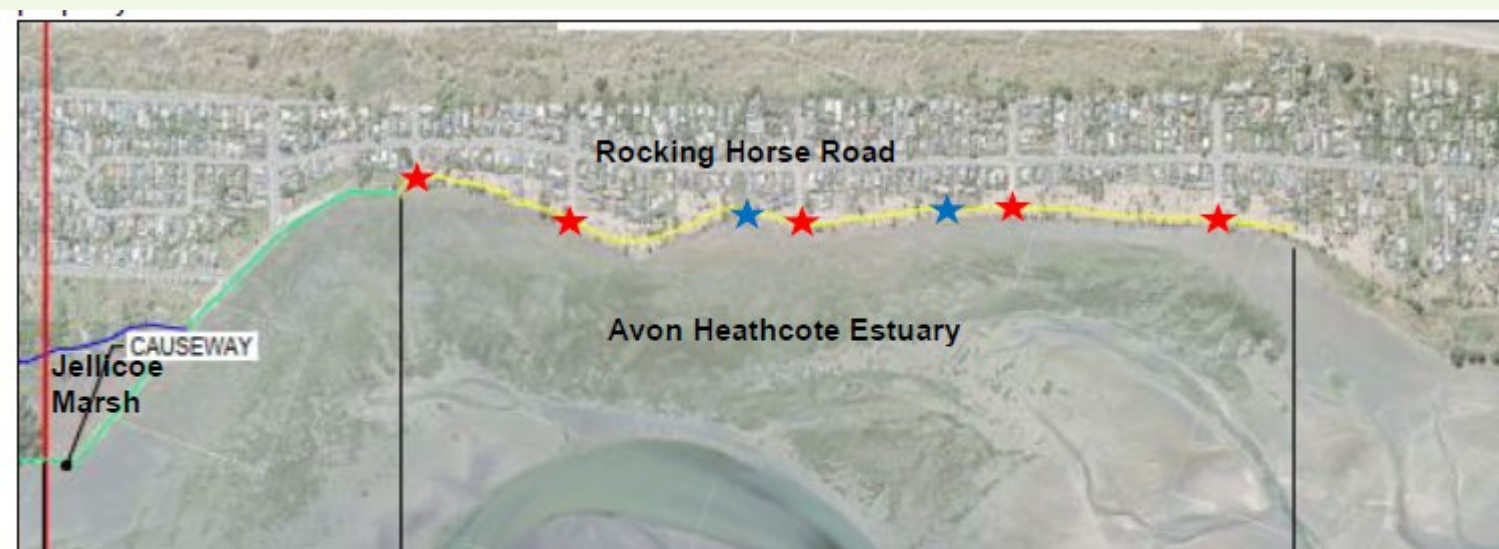
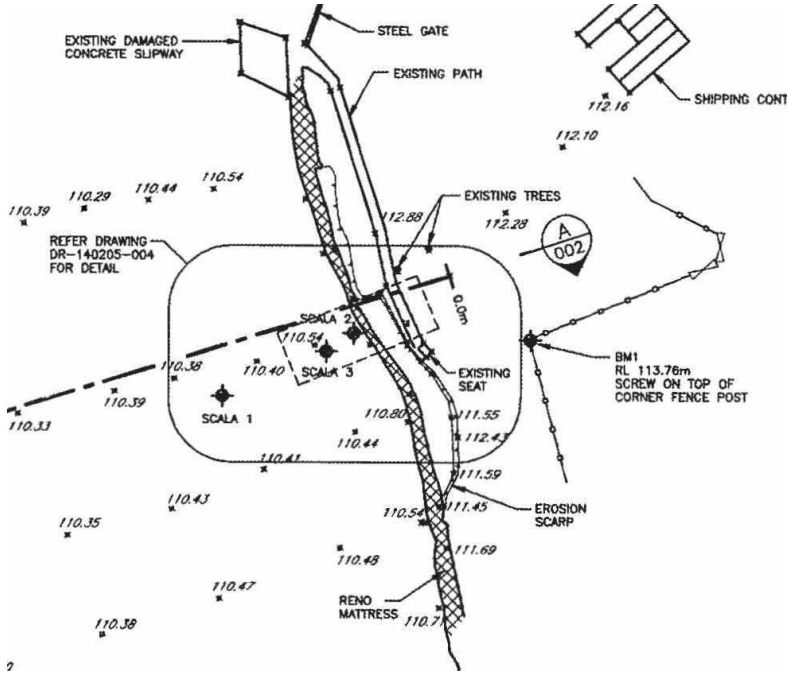


Figure 1. Application site. Blue line represents the Jellicoe Marsh Bund. Yellow line represents the existing LINZ landscape feature (grassed soil sections) over the Specific Purpose (Flat Land Recovery) Zone sites. Red stars represent the road end bunds, blue stars (roughly) represent the private property bunds (aggregate/quarry run sections). Green line represents existing hard engineered structures.

Consent Reference	Description of structure	Drawing Reference	Snip of location	Comment
CRC156492	To Erect a Structure, Disturb the foreshore and seabed, Deposition of material on the foreshore or seabed and occupy the common marine and coastal area. Specifically – authorises reno mattresses	General Arrangement Sheet 1		CRC156492 authorises the construction of a new boat launching ramp and associated erosion protection structures. This works authorised relate to the area of the proposal from CH00 to CH190 approximately. The consented drawings are not detailed so some estimation has been needed. Given CRC156492 authorises reno mattress installation, a reasonable conclusion is that all reno mattress in the location of the Yacht Club is linked to this resource consent.
CRC191613	Stormwater outfall including scour protection	General Arrangement Sheet 1		A small, localised area where scour protection has been installed to reduce erosion risk associated with a stormwater outfall pipe. The outfall is not shown on the project drawings.

Consent Reference	Description of structure	Drawing Reference	Snip of location	Comment
CRC145555	Repairs to stormwater outfalls located between Estuary Road and Silt Lane (15 in total, 8 identified as needing repair)	General Arrangement Drawings 3 to 7 inclusive.		This relates to repair works to a number of stormwater outfalls located along South New Brighton and Southshore. Works relating to protection of outfall discharge points, in reasonable proximity to the outfall structures, are assessed as consented.

Table 2 | Expired Consents

CRC981649	Disturb CMA, deposit sand / gravel and replant foreshore for protection of residential properties	General Arrangement Sheet 3 and 4		No information is publicly available via ECan’s database. This consent allows for foreshore disturbance, deposition of material in the CMA up to 1,700 m³, replanting and construction of an informal pathway located at or near Mean High Water Springs to facilitate access. The location of map reference NZMS 260 M35:892-406 puts this work at an approximate location of works between Godwit Street and Heron Street. Of note, the purpose of the consent relates to the protection of residential properties.

CRC921853	Construct a boardwalk and tidal protection works to the Ebbtide carpark.			Replacement consent – CRC000123. No information is publicly available via ECan's database. This consent expired in December 1993. The timber boardwalk and tidal protection works / structures around the Ebbtide Street car park area are authorised structures.
CRC000123	Beach replenishment to protect the boardwalk established under CRC921853			No information is publicly available via ECan's database. Consent expired April 2010.
CRC951916	To disturb the foreshore and place structures on the foreshore in the CMA			No information is publicly available via ECan's database. Install structures in the CMA (outlet and boardwalk) near the South New Brighton Camp Ground area. Expired in May 1998.
CRC930700	Install structure (reno mattress) to abate severe erosion			Along the South New Brighton Park area. Reno mattress installation for the purpose of protection works. Structures between the Yacht Club and Jellicoe Marsh are assessed as consented structures.
CRC080909	Disturbance of foreshore and seabed			Removing macro-algae and natural material. Replacement of CRC030113. Not relevant to this project.
CRC980961	Disturbance of foreshore and seabed			Removing natural material. Replaced by CRC030113. Not relevant to this project.