

Fairhaven to Church Scar Coast Protection Scheme Granny's Bay



Granny's Bay during the 2014 'design storm' (0.5% chance event)

Current Situation

Granny's Bay is in two very contrasting parts:



On the west half there is a small amenity beach; being the only remaining amenity beach before Pleasure Island.



On the east half there is a starved beach leaving a muddy foreshore, exposed rusting steel, and falls from height.

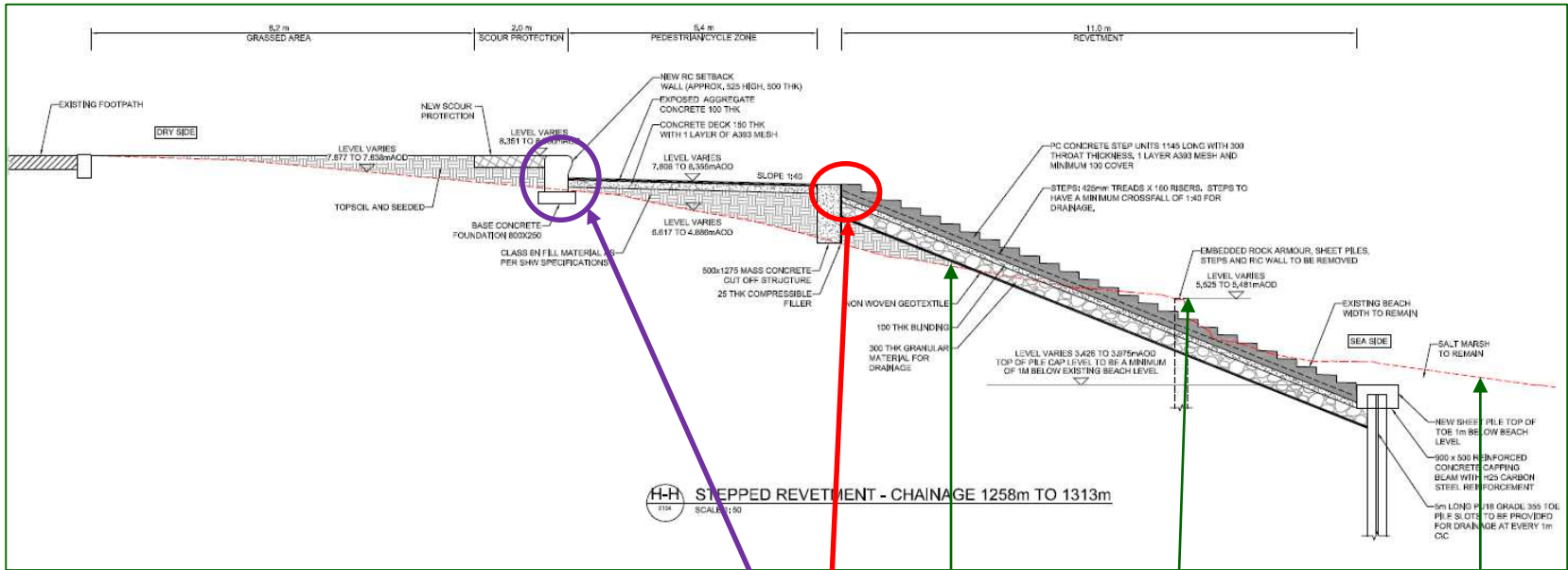
Current Situation

- The 'design storm', the storm required to be defended against as a condition of the grant, is the storm with a 0.5% chance of occurring.
- This 0.5% storm actually occurred in winter 2014/15.



- We had the benefit from the above storm in understanding the risk. The storm flood water just reaches the highway with the current position and levels of the coastline.
- If there is any change (erosion and/or sea level rise) at Granny's Bay then this will put residential properties at risk from this extreme storm.

Solution

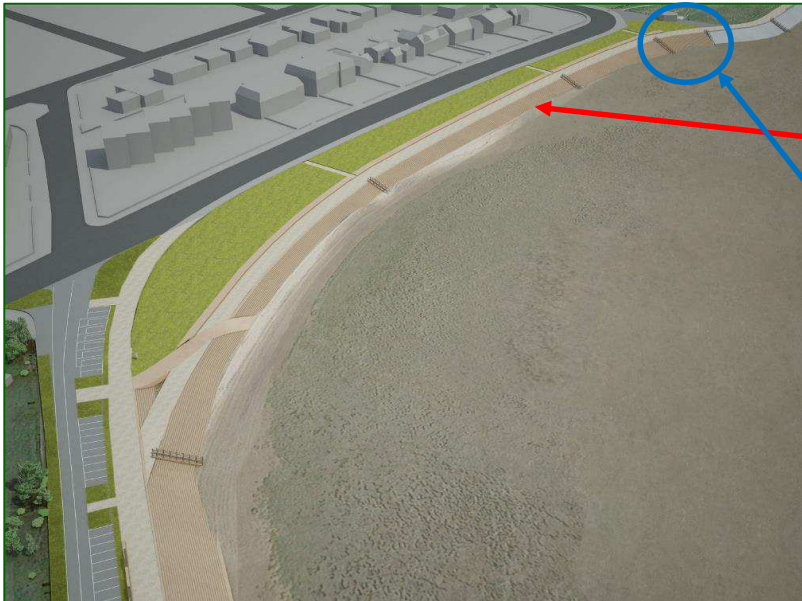


Current Grass Embankment	Current Structure	Current Beach Level
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New sand coloured stepped revetment higher than existing.

New increased height rear flood defence for sea level rise.

New, less sharp, transition to encourage beach growth & stability.



Funding

creating a better place



Environment
Agency

Mr Allan Oldfield
Chief Executive Officer
Fylde Council, Town Hall
St Annes Rd West
Lytham St Annes
FY8 1LW

Our ref:

Your ref: CPW3196

Date: 4th September 2018

Dear Allan,

The Flood & Water Management Act 2010 – Coast Protection Project

Application for Approval of FCERM4s for Release of Contingency and Change in Scope

Fairhaven to Church Scar Coast Protection Scheme, CPW3196

Thank you for your applications for the approval of your FCERM4s for the Fairhaven to Church Scar Coast Protection Scheme in Lytham St Annes. I am now pleased to inform you that both your FCERM4 applications have been approved.

You are now authorised to continue to proceed with the these works in accordance with the approved CPA2, PAR and associated FCERM4 documents, which are now estimated at £21,825k (including risk contingency).



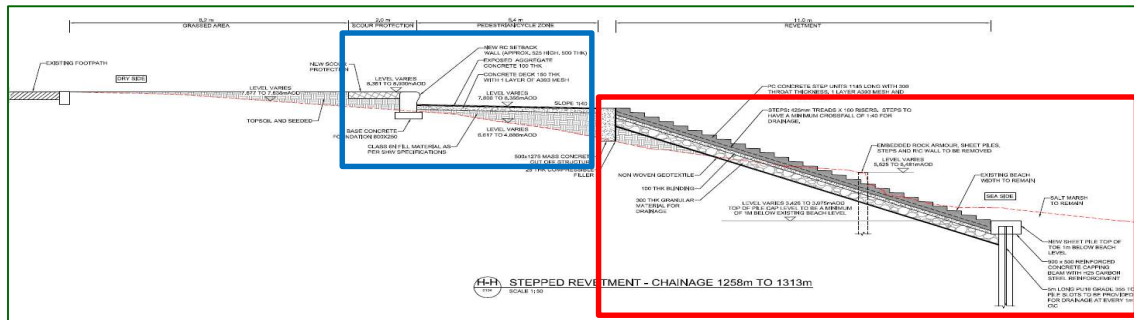
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Status

- All necessary license and consents have been obtained.
- The works have been procured through the Environment Agency's National Framework; with Fylde Council reserving its right to re-tender the works if mutually agreeable prices can not be achieved.
- Negotiations are underway with the current supplier, who is to price the works from the final construction design that it has been commissioned to undertake.

Status

- From the negotiations to date it may be the case that the £2m grant obtained from the Environment Agency will only cover the works in the red box below.



- There is currently a further c£1.8m in un-commissioned project contingency. Towards the end of 2019 most if the substantive risk ought to have passed. By this time there should be a strong indication of the remaining un-allocated project contingency, that could be invested into work in the blue box above.
- If not, then the fall back solution would be to re-instate the grass bank as below. This will address the immediate erosion risks, and further works can be undertaken to address long term sea level rise at a later date.

