

TMS Maritime is a leading UK specialist in marine civil engineering, ancillary floating plant and diving services

Client: Plymouth City Council

Duration: 10 Weeks

Project: Devils Point Sea Wall & Footpath Reconstruction

Project Value: £150,000

Requirement:

The Sea Wall & Footpath at Devils Point in Plymouth was damaged due to the storms in 2017. The weather & sea conditions removed most of the wall within the storm and erosion and failure of the cliff started to form, causing it to be undermined and unsafe to the public. TMS were instructed to rebuild the sea wall and remove and reposition the public footpath.



Solution:

TMS used local natural limestone, C50 concrete, foam concrete and mortar for the rebuild of the Sea Wall. TMS constructed a new foundation and rebuilt the wall to the designed specification. A C50 toe foundation was laid, which was cut out of the surrounding rock with 10mm stainless L bars drilled in to act as anchors. The natural limestone was built in 1 meter high sections with stainless bars every 450mm centres and was back filled with foam concrete, this process was carried on until all walls were to the acquired height and completed.

The second part of the job was to reposition the footpath. TMS installed flat top edgers that outline the new footpath which was made up of type 1 base material, 20mm asphalt bitumen base and 6mm asphalt bitumen toppings. A new galvanised handrail was installed to aid the protection of the public. The job was finished within budget and ahead of schedule.



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