

Harbour Works Consent – Project Detail & Method Statement

Hamble Point Marina

Pier Extension

Project Detail

Hamble Point Marina is located east of Southampton at the mouth of the Hamble river. The marina currently has a waiting list, and there is generally a high demand for berths on this stretch of the river, therefore it is planned to redevelop the existing marina to improve berth availability.

The marina consists of eight piers in total, and this reconfiguration aims to extend five of these piers by adding an additional walkway extension to each and moving the hammerhead pontoons farther out. Single finger pontoons will be added on either side of the extended walkway to provide four new berths on each of the five piers. The newly created berths will be of a similar size to the existing berths on each side of the pier.

The length of the additional walkway sections are variable depending on the width required to allow new berths to be created, but range from 9m to 16m. The pier extensions and associated berths will remain entirely within MDL's title boundary.

New piles will be required to secure some of the finger pontoons and main walkways, the expected diameter of which is in the region of 400mm – 450mm. Some existing piles will also require extracting and re-driving in new locations. It is expected that there will be no more than three new piles to install, and ten existing piles to extract and re-drive.

This project will not require any dredging.

Method

Timeframe for work: September to December 2017

The works will be phased to minimise the disruption to the marina, and boats moored within the works area will be relocated to other MDL sites on the river if they cannot be relocated within the marina itself.

The existing pontoons and associated equipment will be temporarily removed to allow the new pontoon sections to be installed. Once the existing hammerheads have been removed, any piles requiring relocation will be extracted and re-driven. The new pontoon sections will arrive by flatbed lorry and be assembled on-site prior to installation.

The work barge is held in position with spud legs to prevent movement during the piling operation, and the piles will be pitched and driven by onboard crane and piling equipment. The new piles are 16m long, and are to be embedded to a depth of 7 to 8 metres. Existing piles will be extracted and re-driven in their new locations by the same method as the new piles.

Once the new piles have been installed and existing piles re-driven in their new locations, the assembled pontoon sections will be craned into the water using the on-site mobile crane. These pontoon sections will then be towed round to their new locations by a small dory boat and fixed into place by attachment to the existing pontoon sections and installed piles.

All redundant materials will be disposed of at a suitable licensed facility.