

Project title Atlantic College Slipway Repairs
Job number 31548000
File reference
cc
Prepared by Ove Arup and Partners Limited
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Subject Method Statement for Marine Licence

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1. Introduction

This method statement has been prepared by Ove Arup and Partners Limited on behalf of UWC Atlantic to support a Band 1 Marine Licence application for urgent repairs to a slipway.

1.1 Site Location

St Donat's Castle, Llantwit Major, Vale of Glamorgan, Wales. CF61 1WF.
See location plan uploaded to application.

2. Description of the activity

Band 1 eligible activity - Replacing concrete or render on a coastal surface

Repair to damaged surface of upper-level ramp of concrete slipway for safety reasons. The proposed works area measures approximately 37 x 15m.

Works only to repair the existing slipway structure (replacing damaged concrete), no works are proposed to expand the footprint of existing slipway.



Figure 1: Photo of damage to upper-level ramp of slipway

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2.1 Steps carried out to complete

Below is the current envisaged method of working:

- Cut back areas of damaged concrete and removal of any unsound concrete. Any cut concrete will be removed from site.
- In-situ concrete repair either applying concrete repair mortar for shallower damage or for deeper damage concrete and temporary formwork to be used. Associated concrete priming and finishing coats to be used.
- For deeper damage potential for steel reinforcement bars to be installed, which will then be covered in concrete.

2.2 How long the activity will last

Works in daylight hours and at low tide.

The marine licence is requested for a twelve-month duration to give greater flexibility when procuring a Contractor.

Works duration is expected to be no more than six weeks.

2.3 Details of any vehicle or vessel routes used to access the site

Works will take place using land-based plant. Vehicles will access the site through the grounds of UWC Atlantic College. No vessels will be used.

Any deliveries to site will be made to the area above the crest of the slipway where a site compound is expected to be established. The slipway is to be used to transport materials to lower areas of the slipway. Only small plant and equipment will access the slipway i.e. mini-excavator or small concrete dumper.

It is not envisaged this plant will need to access the foreshore and they will remain on the slipway.

2.4 Details of any material removed

No materials or objects will be removed from the seabed or beach.

Any cut-back unsound concrete from damaged slipway will be removed and suitably disposed of.

2.5 Details of any material deposited

Concrete and concrete repair mortar to repair the slipway. Potential for steel reinforcement bars to be installed, which will then be covered in concrete.

2.6 Measures taken to minimise risk to the environment

The Contractor's environmental management plan is expected to include:

- Standard best practice measures to be applied to all elements of the work, i.e. Guidance for Pollution Prevention.
- Pollution control methods will be in place to prevent spillages or other environmental incidents.
- All works shall be undertaken in the dry by working between tides. Works to be undertaken in sections to achieve this.

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- Materials used will be suitable for use in the marine environment.
- Any mixing of materials will take place at the area above the foreshore/slipway
- Regular visual monitoring during construction to determine any visible changes to the marine environment.
- Limiting plant movements to the existing slipway, plant not expected to require access to the foreshore.

2.7 Measures taken to maintain navigational safety and undue interference to others

No risks to navigational safety have been identified.

Slipway is private use of UWC Atlantic who are managing the works.

The site location is in a relatively isolated area. The Wales Coast Path runs along the top of the slipway crest, above the area of the proposed works. The Contractor's Construction Phase Plan will include appropriate measures to manage the public interface with the works.