

REPORT

Outline Method Statement

Portavadie

Client: CMAL

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Status: S5/P01

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Project related



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1 Outline Marine Method Statement

1.1 Project Title: Portavadie Enabling Works

1.1.1 Project Overview

1.1.1.1 Description of Works

- Dredging works to establish required under keel clearance for new vessel.
- Widening of the existing slipway incl. works to install new scour protection and a new section of rock revetment.

1.1.2 Location and Coordinates

Site Address: Portavadie Ferry Terminal, Portavadie, Argyll, PA21 2DA

Coordinates (WGS84):

Point	Easting	Northing
1	005° 19.044' W	55° 52.621' N
2	005° 19.025' W	55° 52.614' N
3	005° 19.029' W	55° 52.61' N
4	005° 18.997' W	55° 52.599' N
5	005° 19.005' W	55° 52.593' N
6	005° 18.996' W	55° 52.582' N
7	005° 19.04' W	55° 52.6' N
8	005° 19.049' W	55° 52.6' N

1.1.3 Tidal Considerations

- Reference Levels: Works are situated below mean high water springs (MHWS)
- Working Window: Works below mean sea level may be carried out at low tide.

1.2 Operational Methodology

This document serves as an outline only; the detailed method statement will be developed by the contractor.

1.2.1 Site Access & Setup

- Land Access: If required plant will access the foreshore at low tide from the existing slipway or marshalling area.
- Marine Access: by sea from Loch Fyne
- Compound: A secure compound including site offices and material storage will be established within an area to the south which is outwith the terminal site.

1.2.2 List of Plant & Equipment

The following plant is expected to be used during the works. This list is not exhaustive.

Plant

- Work boat with davit crane
- Rescue boat
- Backhoe dredger + pontoon
- Hopper barge
- Tracked excavators (10T-30T)
- Wheeled dumper
- Fuel and Water bowsers

Exact plant type and models are unknown at this stage.

Equipment

- Compaction plates
- Breakers
- Rotary percussion drills
- Angle grinders/ concrete saws
- Battery drill/drivers
- Hand tools

1.3 Sequence of Works

- Mobilisation: Site fencing erected and welfare units established.
- Activity A: Dredging to front of main slipway and approach
 - Initial bathymetry survey to establish existing seabed levels using work boat and survey equipment.
 - Pontoon with backhoe dredger will position itself in front of the slipway and load barge with dredge material for disposal.
 - Final bathymetry survey to establish post dredge seabed levels using work boat and survey equipment.
- Activity B: Removal of existing scour protection and excavation to formation level along the edge of slipway.
 - Activity B is likely to be a combination of low tide working in the dry with some elements by work boat.
- Activity C: Installation of mass concrete edge beam
 - Activity C is likely to be a combination of low tide working in the dry with some elements by work boat.
- Activity D: Installation of Precast and in situ concrete panels for slipway widening.
 - Activity D is likely to be a combination of low tide working in the dry with some elements by work boat.
- Activity E: Install scour protection and rock revetment
 - Activity E is likely to be a combination of low tide working in the dry with some elements by work boat.
- Demobilisation: Removal of all waste, plant, and temporary works.

Environmental Management

All works are to be executed in accordance with industry best practices and relevant statutory regulations. The Contractor shall develop and submit an Environmental Management Plan (EMP) prior to the commencement of works. As a minimum, this plan must explicitly address specific control measures for:

- Pollution Prevention: Strategies to prevent soil, water and air contamination.
- Waste Management: Protocols for the segregation, storage, and disposal of site waste.
- Noise Control: Mitigation strategies to minimise noise and vibration impact on the surrounding area.
- Biosecurity: Protocols to prevent the transfer of marine invasive non-native species.

Programme & Timing

- Duration: Estimated start and end dates: June' 26 – May' 27
- Working Hours: Assumed normal working hours Monday to Friday
- Tidal Restrictions: Part of the works will be carried out at low tide