

# COMMUNITY NEWSLETTER

Stornoway Port Authority  
Deep Water Terminal

May 2023

Issue 10



## Reclamation area's new gravel surface



## Update on April works

Works undertaken in April include:

- Installed final tubular piles at linkspan quay
- Continued placing blasted rock behind the quay walls
- Started attaching the tie rods to the quay walls
- Rock crushing to create 5,000 m<sup>3</sup> of gravel material for the surface of the reclamation area
- Laid water supply pipe alongside access road

Sub-contractor Breedon is crushing rock blasted from the site for use as a gravel surface material on the reclamation area.

The crusher takes large boulders and turns them into stones of no more than 75mm diameter.

This will be spread over the reclaimed material and will form a hard wearing surface.

## Tie rods fixed to quay

The contractor has started fixing tie rods to the back of the quay walls. This involves

attaching brackets to the piles, then connecting the first part of the tie rods to the brackets.

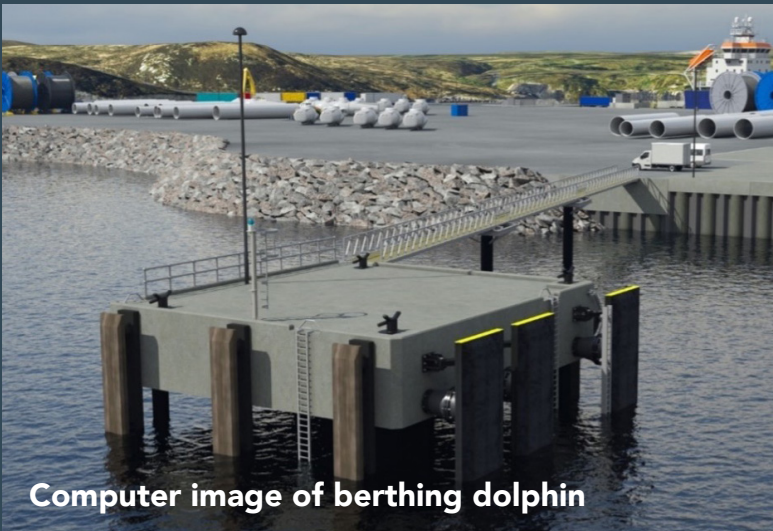
Once complete, the tie rods will provide support to the quay walls.





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## Construction begins on berthing dolphin



Computer image of berthing dolphin

Work will start in May on construction of the berthing dolphin. This is located 60m to the south of the main quay. It measures 15m x 16m on plan and will allow vessels over 300m long to berth at the main quay.

The berthing dolphin is a concrete deck support on steel piles driven into the seabed. The installation of the piles is complex as they are packed tightly

together, and some are installed at an angle. It will be connected to the main quay by a metal walkway, supported on two intermediate piles.

The first stage of work involves installation of 16 steel piles into the seabed. This will be done from a floating barge, the Wilcarray 1711. The workboat Coastbuster II will provide support for this operation.

## Linkspan quay



The contractor has installed the final tubular piles at the linkspan quay. As these are founded on rock, the piles must have rock anchors installed. This process involves a hole being drilled into the rock seabed at the bottom of the steel pile. Following this, the rock anchor is installed and grouted into the seabed and the bottom of the pile.

## Works in May

Work to be carried out in May includes:

- Continue fixing tie rods to the quay walls
- Continue rock blasting and the placement of blasted rock behind quay walls
- Start installation of steel piles for the berthing dolphin
- Continue formation of the link road to Arnish