

# COMMUNITY NEWSLETTER

Stornoway Port Authority  
Deep Water Terminal

November 2022

Issue 04

## Deep Water Terminal progress in October



Rock platforms as of November 4, 2022

Works undertaken in October include:

- Blasted 115,000 tonnes of rock – this takes the total to 352,000 tonnes
- This rock has been used to create rock bunds 315m long

which now form the outline of the finished quay walls

- Set up piling equipment on rock platform
- Final delivery of steel for quay walls

## Two cranes installed on site



Two Leibherr cranes have been installed on the site of the new Deep Water Terminal.

The cranes were shipped over in sections and built on site.

The LR1300, a 300t crawler crane, has a fixed jib and will be used for installing piles.

The LTR 1100 is a 100t crawler with a telescopic jib. It is a support crane, lifting the access platform for engineers.

## Bunds



The rock bunds will enclose the area of seabed to be reclaimed. This will be 6.5 hectares in size.



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## Piling works under way

Piling started in the first week of November. A total of 140 steel tubular piles and 270 sheet piles will be installed to form the quay walls.

The tubular piles are 1200mm diameter and between 27m and 30 long, each weighing around 20 tonnes.

To ensure piles are positioned in the correct location, they are placed in a metal frame called a piling gate.

The gate takes four tubular piles and ensures that they stay vertical as they are driven into the seabed.

Once the four piles have been driven to the required depth, the piling gate is moved to the location of the next set.

The gap between the tubular piles is filled with the steel sheets, which are fitted into guides on the side of each tubular pile.

## November workplan

Work to be carried out over the course of the month includes:

- Progress installation of piles along north quay wall
- Continue rock blasting and placing material to extend rock platforms
- Start formation of the link road along the shoreline to the Arnish Industrial Estate

## Careers programme

As part of the contract's community benefits requirements, McLaughlin & Harvey is delivering an eight-week programme of activities to a group of S2 pupils at the Nicolson Institute. This will showcase the range of career opportunities in civil engineering. The programme started with a visit to the site compound, where pupils met members of the site management team.



**Nicolson Institute pupils standing beside one of the tubular piles in the site compound**