

COMMUNITY NEWSLETTER

Stornoway Port Authority
Deep Water Terminal

December 2022

Issue 05

Deep Water Terminal progress in November



Platform/bund as of November 29

Works undertaken in November include:

- Blasted 128,000 tonnes of rock, approximately 60% of the total
- Rock platform/bund along line of main quay completed
- Rock platform/bund along southern edge is 50% complete
- Installed 35 tubular piles and 34 sheet piles to form the quay walls, 25% of the total
- Continued formation of link road to Arnish Point Industrial Estate

Rock platform build nears completion

The rock platform/bunds that will enclose the material deposited from the seabed dredging will be completed in mid December. These bunds are all formed from rock blasted on the site.

Dredging to increase water depths at the new quays and the approaches to the terminal, will commence in January and will be ongoing until March.

The dredged material will be deposited behind the platform/bunds to form a reclaimed hard standing area totalling 6.5 hectares.



Outline of rock platform/bund showing area to be completed in December



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For more information about the project, or to discuss any concerns, please contact Project Manager, Chris Penman, on mclh.5445@mclh.co.uk



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King pile being driven into the seabed, left, and sheet pile being driven into the seabed, right



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Quay walls taking shape

Good progress has been made of the installation of steel piles which will form the quay walls. As of the end of November, the piling had reached the junction of the two quays.

The type of quay walls at the deep water terminal are known as combi walls as they are made up of a combination of tubular and sheet piles. Combi walls are used as tougher alternatives to sheet pile walls.

Installation is a multi-stage process, as detailed:

- Tubular piles, referred to as 'king' piles, are installed with a gap of 1.45m between each one
- The king piles are driven into the seabed to a predefined depth. A hydraulic vibration hammer will undertake the initial installation, with the final depth being achieved using an impact hammer
- The sheet piles are subsequently installed between the king piles

Month ahead

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

- Progress installation of piles along the north/south quay wall
- Rock blasting and placing of material to complete southern edge of reclamation area
- Continue formation of the link road along the shoreline to Arnish Industrial Estate
- Set up shoreside equipment for dredging

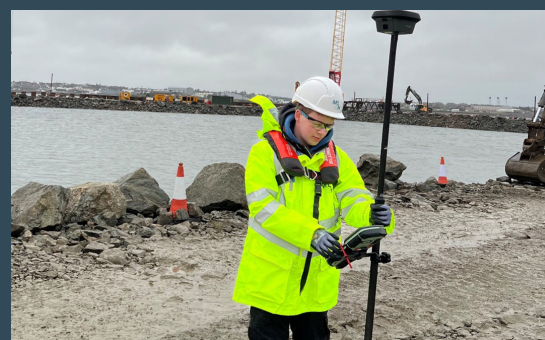
Work experience for local UHI student

Local student Gordon Cameron started a paid work experience placement on site in November. He is studying for a degree in Mechanical Engineering at UHI Outer Hebrides.

Gordon will be working one day a week on site until the end of the project. His role is to assist the site engineers.

This involves ensuring that all the components are installed in the correct place and measuring the completed works.

Gordon has been learning to use electronic survey equipment and is thoroughly enjoying his hands-on experience.



Gordon Cameron learning how to use survey equipment



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