

Phase 3 Dredging  
Option 1: -15m CD  
Area = 22,500m<sup>2</sup>

MV Les Alizes 240m x 52m  
320,991m<sup>2</sup>

Phase 3 Dredging  
Option 1: -15m CD  
Area = 22,500m<sup>2</sup>

OIC Tug and Pilot  
Boat Vessels

Rock Armour Revetment

Site Water Tanks

Potential Industrial  
Warehousing Site

Potential Industrial  
Warehousing Site

40m HLM

Concrete Deck Slab (2685m<sup>2</sup>)

Site Parking - 40 Spaces

Site Parking - 45 Spaces

Service Trench to Quays

Security Fence

40m HLM

Security Fence

Service Trench to Site

40m HLM

Site Entrance Building:  
Site Security;  
Switchgear; First Aid

Concrete Deck Slab Adjacent to Quay  
~46m wide, Deck Area 12300m<sup>2</sup>  
Deck Loading Capacity 25T/m<sup>2</sup>

40m HLM

Rock Armour Revetment

40m HLM

40m HLM

Hardcore Surfaced Storage Area  
Storage Capacity 25T/m<sup>2</sup>  
Shaded Area - Reclaimed Land  
55,500 m<sup>2</sup> / 5.550 Ha / 13.71 Acres

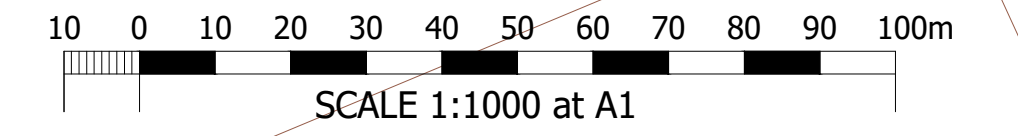
Hardcore Surfaced Storage Area  
Storage Capacity 25T/m<sup>2</sup>  
Total Area  
113,000 m<sup>2</sup> / 11.300 Ha / 27.92 Acres

Hardcore Surfaced Storage Area  
Storage Capacity 25T/m<sup>2</sup>  
Excavated Land  
57,500 m<sup>2</sup> / 5.750 Ha / 14.21 Acres

Chart Datum (Scapa Flow)	Ordnance Datum (Newlyn)	Quay Heights and Tide Data Scapa Deep Water Quay
+7.00m	+5.31m	Quay Edge Level
+3.60m	+1.91m	Mean High Water Spring Tides
+1.69m	0.00m	Ordnance Datum (Newlyn)
+0.70m	-0.99m	Mean Low Water Spring Tides
0.00m	-1.69m	Chart Datum (Scapa Flow)
-5.00m	-6.69m	
-10.00m	-11.69m	
-15.00m	-16.69m	
-20.00m	-21.69m	

ORKNEY ISLANDS COUNCIL  
SCAPA DEEP WATER QUAY  
PHASE 1 SITE LAYOUT

Scale 1: 1000



SCALE 1:1000 at A1  
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Overburden from site clearance stored in bund above site

REV	DATE	REVISION	DRN	CHK
-	16.05.2023	E.I.A. Application Issue	JJM	SSJ



Scapa Deep Water Quay  
Phase 1 Overall Layout

**Arch Henderson** 1919  
Civil Engineers  
Structural Engineers  
Architects  
CDM Co-ordinators  
Geotechnical services  
Environmental services  
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DRAWN	DATE	CHECKED	APPROVED
JJM	May 2023	SSJ	APS

SCALE: (A1)  
As Shown  
DRAWING STATUS:  
EIA Application

DRAWING No: 202042/EIA- 400  
REV: -