



Fair Isle Harbour Improvement Works

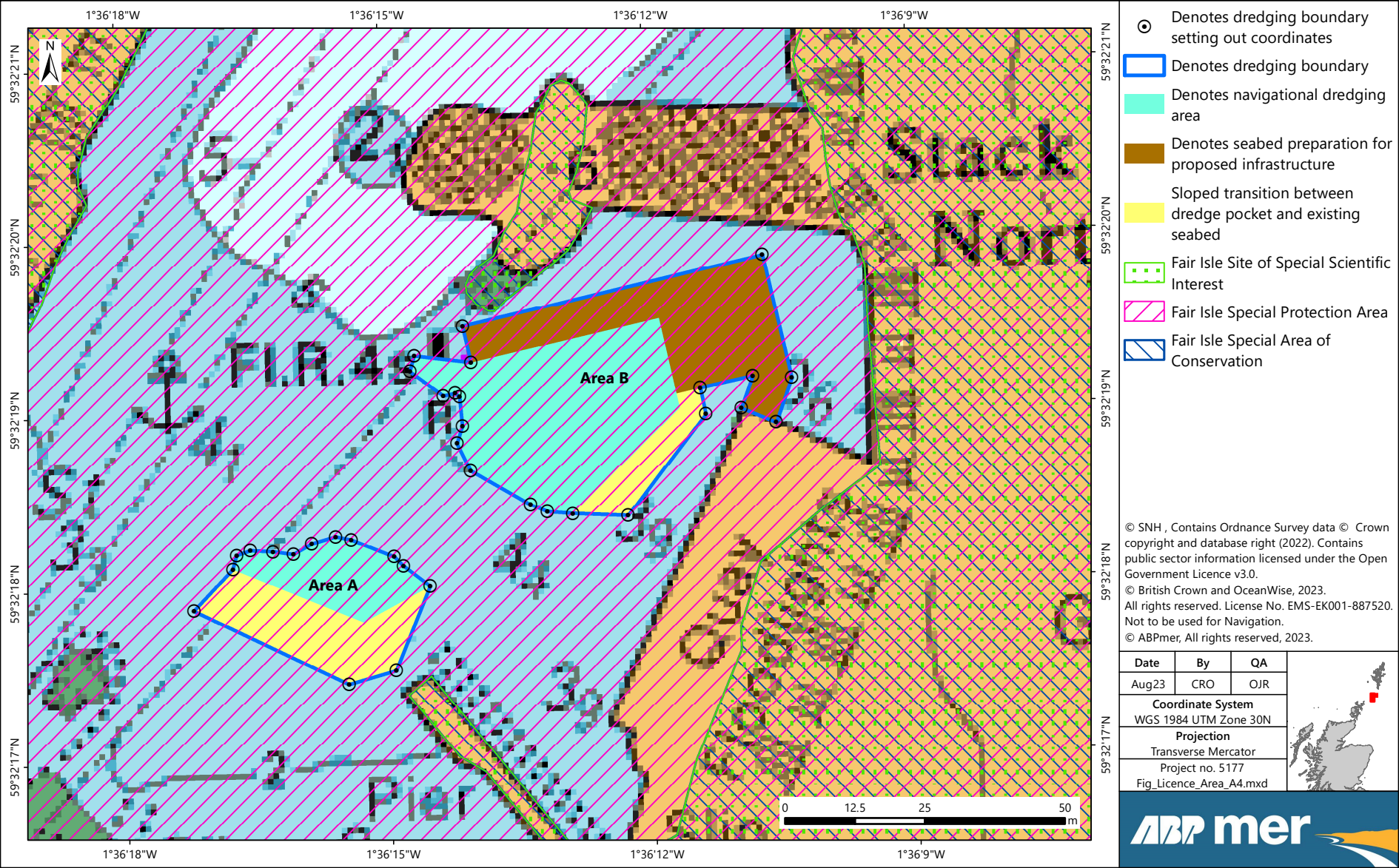
Appendix 02 Figures

On behalf of **Shetland Isle Council (SIC)**



Project Ref: 11168 | Rev: Version 1.0 | Date: April 2023

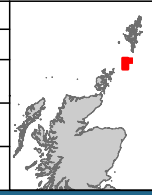
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- Denotes dredging boundary setting out coordinates
- Denotes dredging boundary
- Denotes navigational dredging area
- Denotes seabed preparation for proposed infrastructure
- Sloped transition between dredge pocket and existing seabed
- ⋯ Fair Isle Site of Special Scientific Interest
- ▨ Fair Isle Special Protection Area
- ▨ Fair Isle Special Area of Conservation

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Date	By	QA
Aug23	CRO	OJR
Coordinate System		
WGS 1984 UTM Zone 30N		
Projection		
Transverse Mercator		
Project no. 5177		
Fig_Licence_Area_A4.mxd		





Seabed preparation for new structures.
Dredging to -4.0mCD

Navigational dredging. Capital dredge to -4.5mCD. Maintenance dredge to -4.0mCD. Area of dredging to be confirmed. Rock dredging may be required. Rockhead level to be confirmed by Ground Investigation

Sloped Transition between dredge pocket and existing seabed. Slope to be 1 in 8 to 1 in 12 depending on existing seabed material.

Dredging - 1-500
1 : 500

S.O.P. - Dredging Zone 1

Setting Out Point	Easting (m)	Northing (m)
S.O.P. - 101	422455.620	1072561.233
S.O.P. - 102	422456.282	1072563.699
S.O.P. - 103	422458.738	1072564.523
S.O.P. - 104	422462.822	1072564.311
S.O.P. - 105	422466.482	1072563.766
S.O.P. - 106	422469.764	1072565.575
S.O.P. - 107	422474.016	1072566.790
S.O.P. - 108	422476.816	1072566.205
S.O.P. - 109	422484.451	1072563.094
S.O.P. - 110	422486.068	1072561.428
S.O.P. - 111	422490.825	1072557.733
S.O.P. - 112	422478.849	1072551.459
S.O.P. - 113	422484.542	1072542.801
S.O.P. - 114	422476.080	1072540.468
S.O.P. - 115	422448.543	1072553.912

S.O.P. - Dredging Zone 2

Setting Out Point	Easting (m)	Northing (m)
S.O.P. - 201	422516.458	1072570.364
S.O.P. - 202	422511.930	1072570.768
S.O.P. - 203	422508.939	1072572.041
S.O.P. - 204	422498.347	1072578.198
S.O.P. - 205	422495.971	1072583.144
S.O.P. - 206	422496.983	1072586.282
S.O.P. - 207	422496.530	1072591.458
S.O.P. - 208	422495.745	1072592.099
S.O.P. - 209	422493.633	1072591.681
S.O.P. - 210	422487.724	1072596.106
S.O.P. - 211	422488.521	1072598.870
S.O.P. - 212	422498.685	1072597.533
S.O.P. - 213	422532.325	1072605.028
S.O.P. - 214	422535.249	1072591.526
S.O.P. - 215	422535.800	1072588.970
S.O.P. - 216	422539.551	1072592.450
S.O.P. - 217	422540.482	1072587.726
S.O.P. - 218	422526.357	1072569.889
S.O.P. - 219	422497.228	1072604.073
S.O.P. - 220	422550.973	1072616.083
S.O.P. - 221	422555.904	1072594.016
S.O.P. - 222	422553.053	1072586.136
S.O.P. - 223	422546.880	1072588.760
S.O.P. - 224	422548.938	1072594.467

S.O.P. - Boreholes (Dredge)

Borehole Ref	Easting (m)	Northing (m)
BH101	422481.240	1072562.401
BH102	422506.324	1072590.920
BH104	422547.840	1072601.450
BH105	422529.635	1072604.779
BH108	422536.840	1072601.850

- Notes**
- All levels in metres relative to Chart Datum unless noted otherwise
 - Chart Datum is 0.92m below Ordinance Datum
 - All dimensions in millimetres unless noted otherwise.
 - DO NOT SCALE. Follow written dimensions only.
 - The Client accepts no liability for the accuracy of the topographical & bathymetrical information provided.
 - The Contractor shall verify all dimensions, elevations, coordinates, and site conditions prior to execution.
 - For general notes refer to drawing XXXXX-XXX-XX-XXXX (insert drawing no.)
 - This drawing shall be read in conjunction with the scope
 - The Project Manager shall be notified immediately of any discrepancy encountered on site.
 - Unless noted otherwise access for ferry operations shall be maintained at all times. Ferry operations shall not be disrupted by the Contractor.
 - Tide levels for the site are as follows:
 - MHW: +2.2m Chart Datum
 - MHW: +1.7m Chart Datum
 - MLWN: +1.0m Chart Datum
 - MLWS: +0.6m Chart Datum

Key to symbols

- Denotes Navigational dredging area
- Denotes Seabed preparation for proposed infrastructure
- Denotes dredging boundary
- Denotes dredging boundary setting out points
- Denotes Borehole location setting out points

Reference drawings

110173-MMD-FI-XX-DR-C-0100 - Topography
110173-MMD-FI-XX-DR-C-0100 - Bathymetry
Aspect Survey File
A7836_CD
Survey Date 16.06.2022

P01	11.08.23	GM	WORK IN PROGRESS	RC	MR
Rev	Date	Drawn	Description	Ch'k'd	App'd

Status Stamp
WORK IN PROGRESS

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Client
SHETLAND ISLANDS COUNCIL

Funded by UK Government

Title
Fair Isle and Grutness Replacement Ferry Fair Isle Ferry Terminal Dredging Plan

Designed	R. Crewe	RC	Eng. Check	R. Crewe	GS
Drawn	G. Mather	GM	Coordination	R. Crewe	RC
Dwg. Check	M. Simpson	MS	Approved	M. Ross	MR
MMD Project Number	110173		Scale at A0	1:500	
Suitability Description	Work In Progress			Suit. Code	S0
Drawing Number	110173-MMD-FI-XX-DR-C-0201			Rev	P01

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

It is a requirement that only experienced and competent contractors carry out the work described, using a recognised safe method of working. The following are specific significant residual risks identified by the designer and are additional to those hazards/risks normally associated with this type of work.

CONSTRUCTION:
OPERATIONS:
N/A
MAINTENANCE:
N/A
DEMOLITION:
N/A
FUTURE ANTICIPATED WORK:
N/A

