

Aberdeen Harbour Expansion Project

Updated marine licence application: Marine Construction

May 2016

Drawings

Drawing reference	Description
01. Location plan Q2582	Location of existing Aberdeen Harbour and proposed harbour expansion
02. Boundaries Q2582	Marine licence boundary, Harbour Revision Order boundary and Planning Permission in Principle boundary
03. Layout and development boundary Q2582	Harbour layout showing development boundary
04. Layout 2015001-002-B	Harbour layout
05. Areas to be dredged 121106-1300	Areas to be dredged and dredge depths
06. Areas of rock dredging 121106-1014	Areas of rock to be dredged
07. Offshore disposal site 121106-1010	Location plan and bathymetric survey of licensed offshore disposal site
08. Cross section north breakwater DKR5379_100_D101	Representative cross section through the north breakwater
09. Cross section south breakwater DKR5379_100_D201	Representative cross section through the south breakwater
10. Cross section North Quay closed 121106-2702	Representative cross section through the North Quay (solid quayside)
11. Cross section North Quay open 121106-2706	Representative cross section through the North Quay (open piled quayside)
12. Cross section East Quay 121106-2703	Representative cross section through the East Quay (solid quayside)
13. Cross section West Quay 121106-2701	Representative cross section through the West Quay (open piled quayside)
14. AHB jurisdiction 2015001-504	Extent of statutory harbour authority jurisdiction (Aberdeen Harbour Board)
15. Coordinates 121106-1301	Harbour layout showing coordinates



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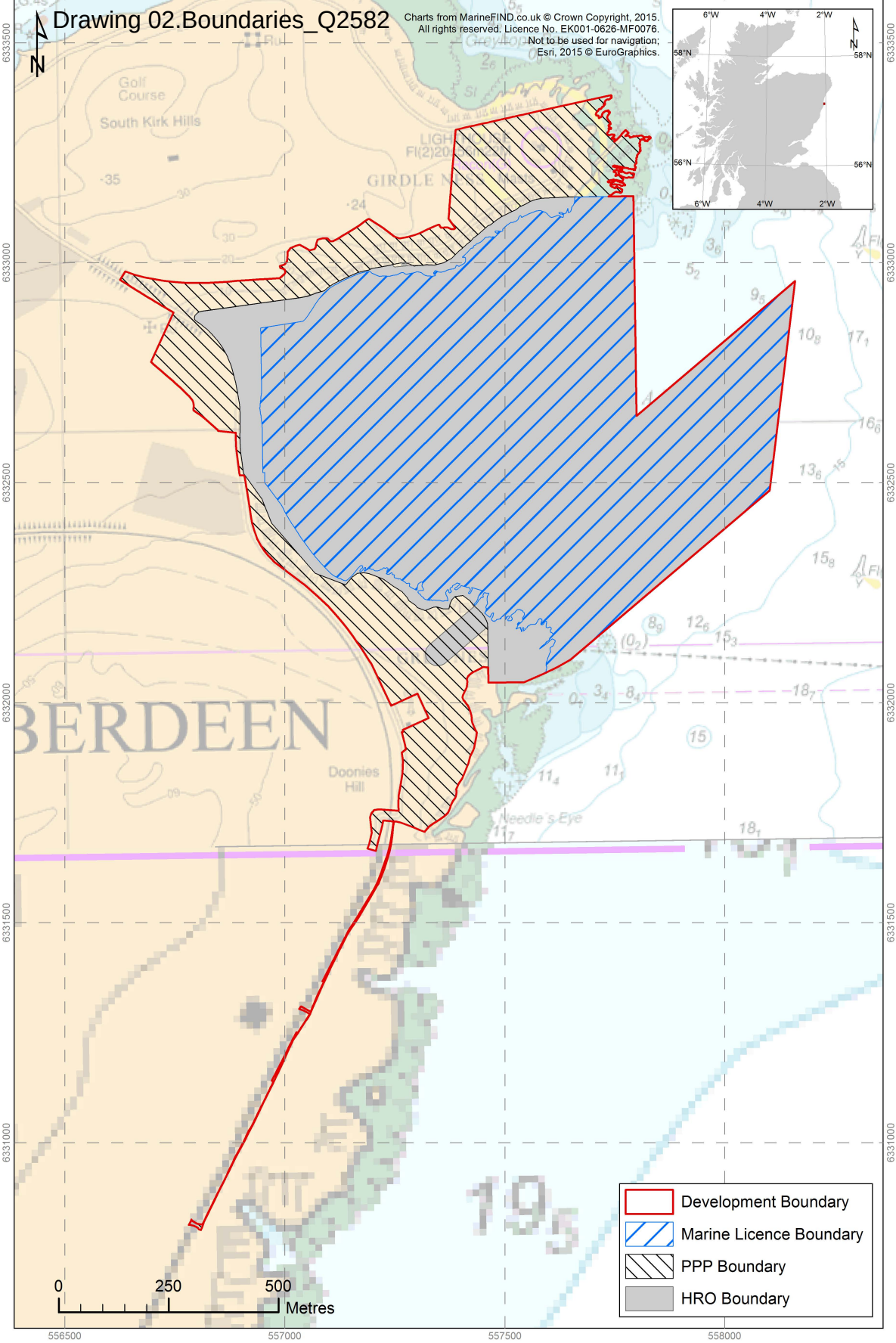
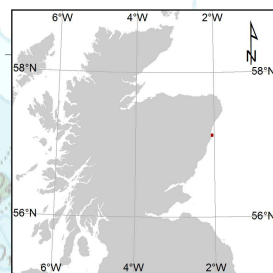
Existing Aberdeen Harbour

Aberdeen Harbour
Expansion Project

0 0.5 1 Km

Drawing 02.Boundaries_Q2582

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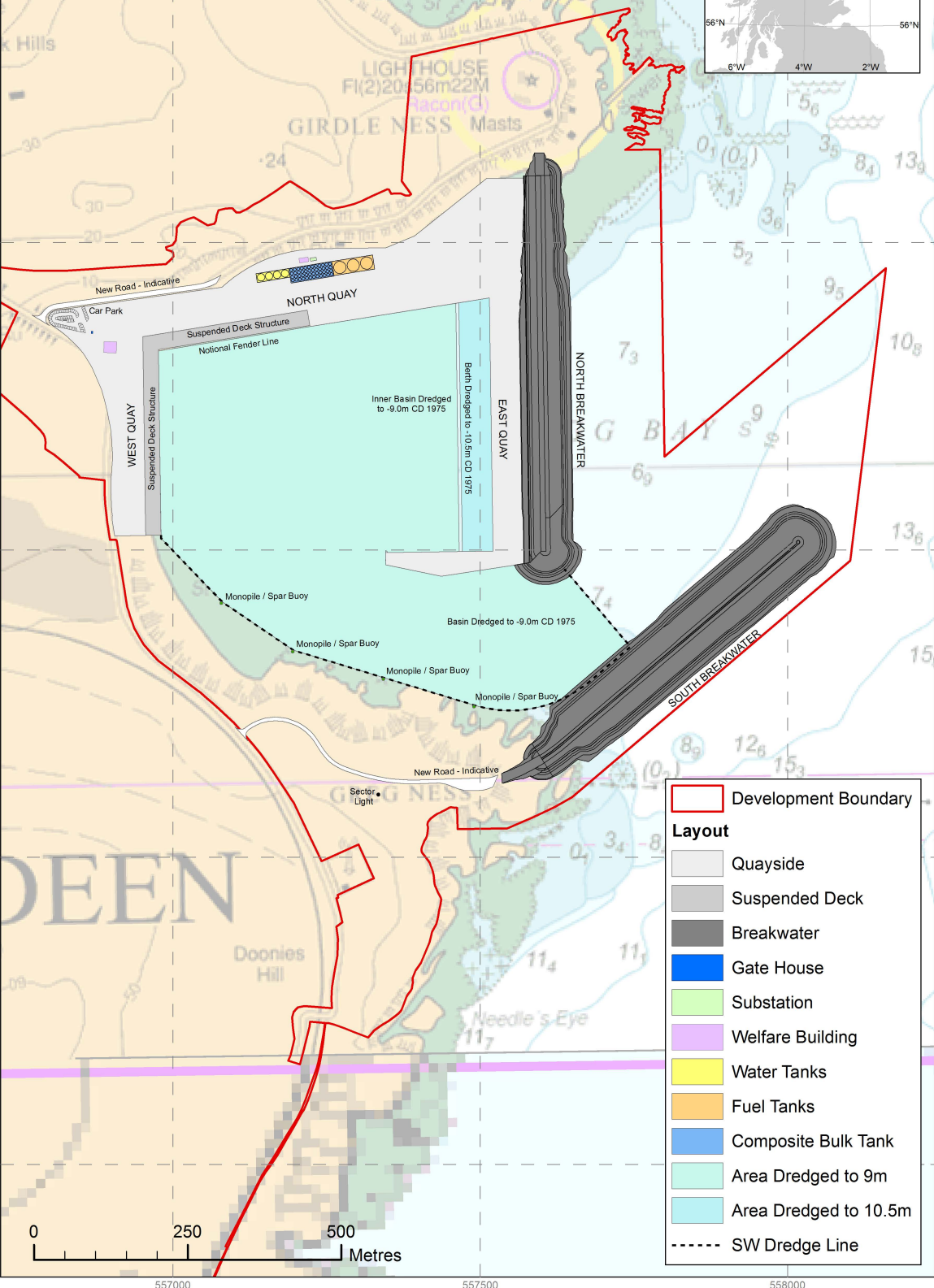
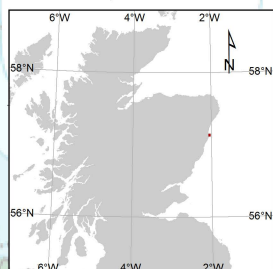
- Development Boundary
- Marine Licence Boundary
- PPP Boundary
- HRO Boundary

557000 557500 558000 6333500 6333000 6332500 6332000 6331500



Drawing 03.Layout_and_development_boundary_Q2582

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Development Boundary

Layout

Quayside

Suspended Deck

Breakwater

Gate House

Substation

Welfare Building

Water Tanks

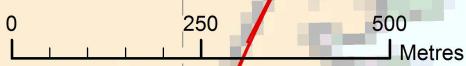
Fuel Tanks

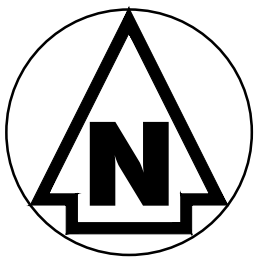
Composite Bulk Tank

Area Dredged to 9m

Area Dredged to 10.5m

SW Dredge Line





DRAWING REFERENCES:	
COMPANY:	DRAWING NUMBER:
ABERDEEN HARBOUR BOARD	2015001-002A
ARCH HENDERSON	121106-2502A
HR WALLINGFORD	DKR5379/100/D010 REV04
FAIRHURST	100011-1909F



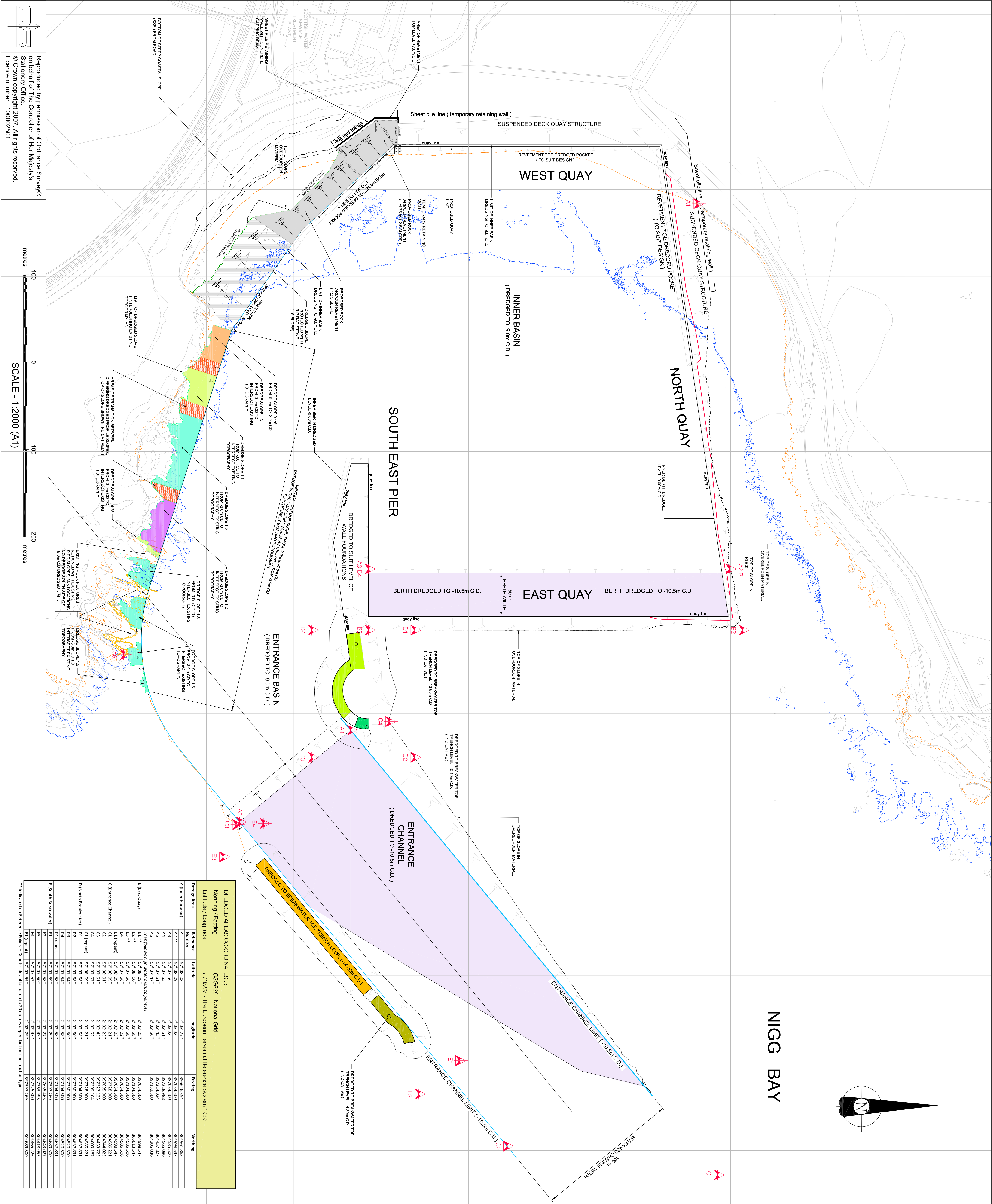
B	15/10/15	Slope arrangement at south end of West Quay updated as per Arch Henderson drawing	S.B.
		number 121106 - 2502A. Harbour Revision Order limit added to entrance channel.	
A	09/09/15	External Boundary Amended. Channel Dredge Limits Amended to suit HRW drawing	
		Fairhurst drawing updated.	S.B.
Rev:	Date:	Revision:	By:

**Aberdeen
Harbour**

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Title: **Aberdeen Harbour Expansion Project
Overall Layout 6**

Date: 29/05/2015	Designed by: Drawn by: S. Buchan	Drawing Number: 2015001-002-B
Scales(s): 1:2500 (A1)	Checked by: J. Wilson Approved by: K. Young	



DREDGED AREAS CO-ORDINATES...				
Northing / Easting		OSGB36 - National Grid		
Latitude / Longitude		ETRS89 - The European Terrestrial Reference System 1989		
Dredge Area	Reference	Latitude	Longitude	Easting
A (Inner Harbour)	A1	57° 08' 00"	2° 02' 30"	397454.34
	A2	57° 08' 00"	2° 02' 02"	397024.500
	A3	57° 07' 56"	2° 02' 02"	397024.500
	A4	57° 07' 55"	2° 02' 51"	397218.988
	A5	57° 07' 45"	2° 02' 51"	397218.988
	A6	57° 07' 42"	2° 02' 56"	397123.500
B (East Quay)	Then follow high water mark to point A1			
	B1	57° 08' 09"	2° 02' 03"	397024.500
	B2	57° 08' 10"	2° 02' 58"	397104.500
	B3	57° 07' 58"	2° 02' 58"	397104.500
	B4	57° 07' 56"	2° 02' 02"	397024.500
	B5	57° 08' 09"	2° 02' 21"	397024.500
C (Entrance Channel)	C1	57° 08' 09"	2° 02' 21"	397024.500
	C2	57° 07' 54"	2° 02' 51"	397218.988
	C3	57° 07' 54"	2° 02' 51"	397218.988
	C4	57° 07' 57"	2° 02' 53	397209.164
	C5	57° 08' 09"	2° 02' 58"	397104.500
	C6	57° 07' 54"	2° 02' 51"	397218.988
D (North Breakwater)	D1	57° 08' 09"	2° 02' 21"	397024.500
	D2	57° 07' 54"	2° 02' 50"	397250.000
	D3	57° 07' 54"	2° 02' 58"	397250.000
	D4	57° 07' 54"	2° 02' 58"	397250.000
	D5	57° 07' 54"	2° 02' 58"	397250.000
	D6	57° 07' 54"	2° 02' 58"	397250.000
E (South Breakwater)	E1	57° 07' 58"	2° 02' 27"	397454.34
	E2	57° 07' 58"	2° 02' 27"	397454.34
	E3	57° 07' 58"	2° 02' 27"	397454.34
	E4	57° 07' 58"	2° 02' 27"	397454.34
	E5	57° 07' 58"	2° 02' 27"	397454.34
	E6	57° 07' 58"	2° 02' 27"	397454.34

* Indicated on Reference Point - Denotes deviation of up to 20 metres dependent on construction type.

NOTES...

- THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT ARCH HENDERSON PERFORMANCE SPECIFICATION AND ALL OTHER RELEVANT DOCUMENTS ISSUED BY THE PROJECT MANAGER.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE GIVEN IN METRES ABOVE ADMIRALTY CHART DATUM (mC.D.).
- CO-ORDINATES ARE TO ORDNANCE SURVEY GRID (O.S.G.B. 1936)

DRAWING LEGEND...

M.H.W.S

EXISTING MEAN HIGH WATER TIDE LIMIT

M.L.W.S

EXISTING MEAN LOW WATER TIDE LIMIT

TOP OF SLOPE - OVERBURDEN MATERIAL (PROPOSED)

TOP OF SLOPE IN EXISTING ROCK (PROPOSED)

DREDGED AREA - SETTING OUT POINT and REFERENCE NUMBER

A1

B	06/05/16	DREDGING CO-ORDINATE C1 REVISED	K.M	T.C.Y
A	06/05/16	DREDGING CO-ORDINATES SHOWN	K.M	T.C.Y
REV	DATE	REVISION DESCRIPTION	ORN	CHK

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Arch Henderson

1919

Arch Henderson

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Our Engineers

Arch Henderson

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PROJECT :

ABERDEEN HARBOUR BOARD

Aberdeen Harbour Expansion Project

TITLE :

MARINE LICENCE APPLICATION

DREDGING WORKS - GENERAL PLAN

DRAWN :

K.M

DATE :

27-4-16

CHECKED :

T.C.Y

DATE :

27-4-16

SCALE (A1)

1:2000

DRAWING STATUS:

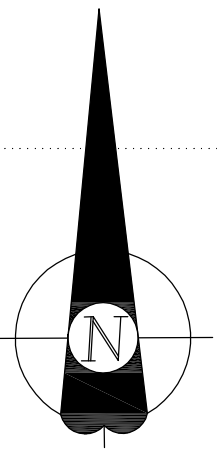
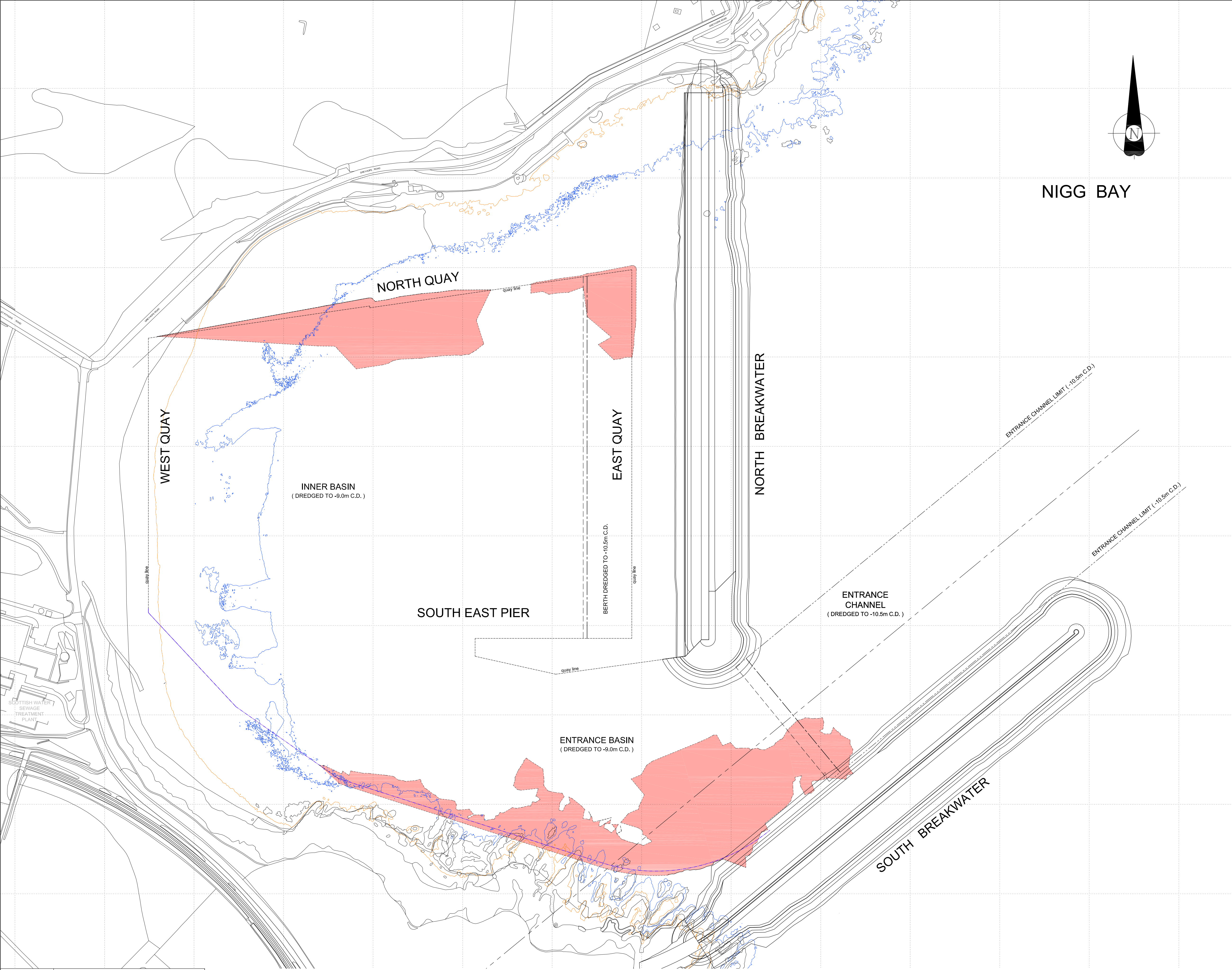
INFORMATION

DRAWING NO.:

121106 - 1300

REV.:

B



NIGG BAY

NOTES...:-

1. ALL LEVELS ARE GIVEN IN METRES ABOVE ADMIRALTY CHART DATUM (mC.D).
2. CO-ORDINATES ARE TO ORDNANCE SURVEY GRID (O.S.G.B.1936)

DRAWING LEGEND...:-

- AREA OF ROCK REMOVAL
- M.H.W.S MEAN HIGH WATER TIDE LIMIT
- M.L.W.S MEAN LOW WATER TIDE LIMIT

REV	DATE	REVISION	DRN	CHK
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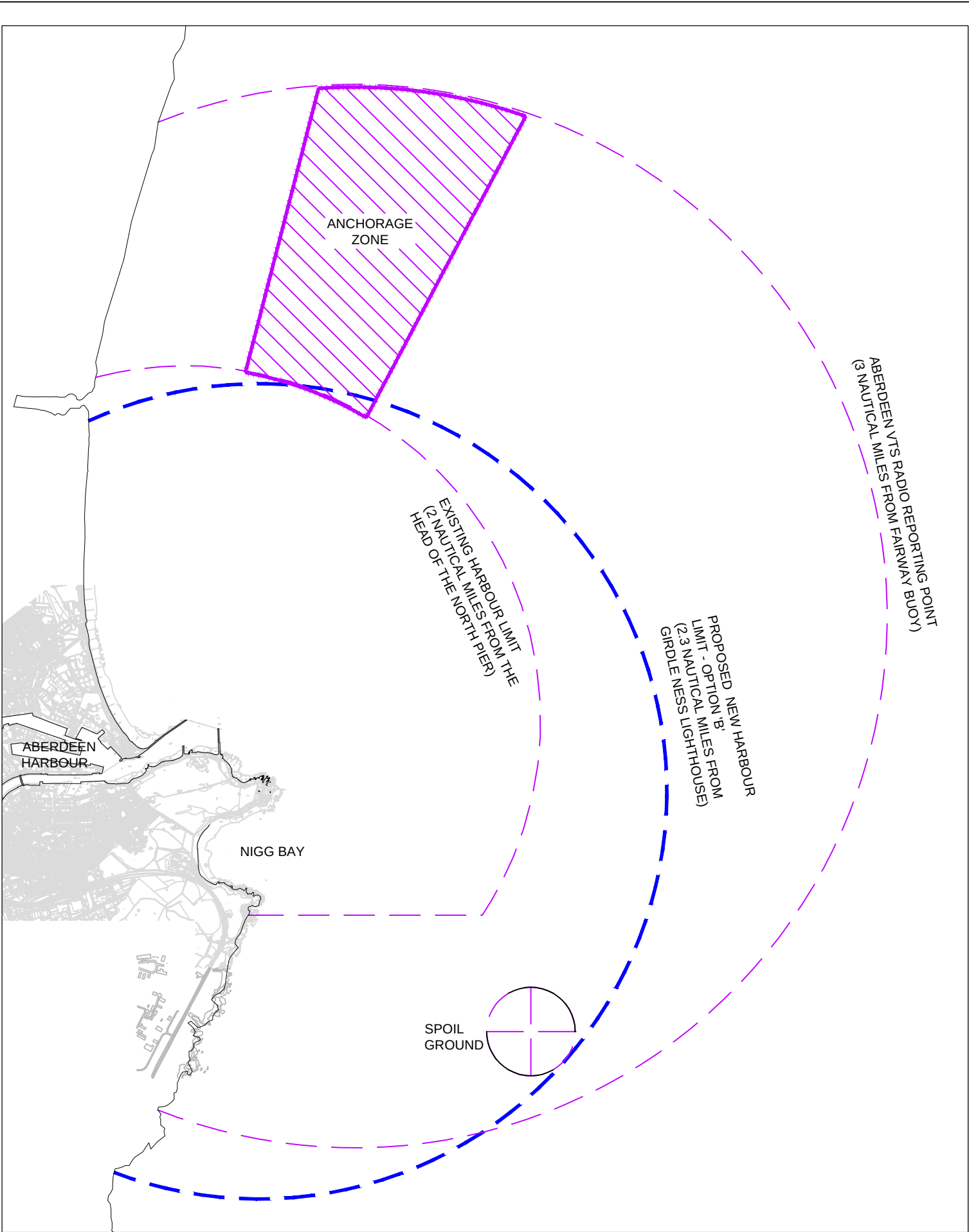
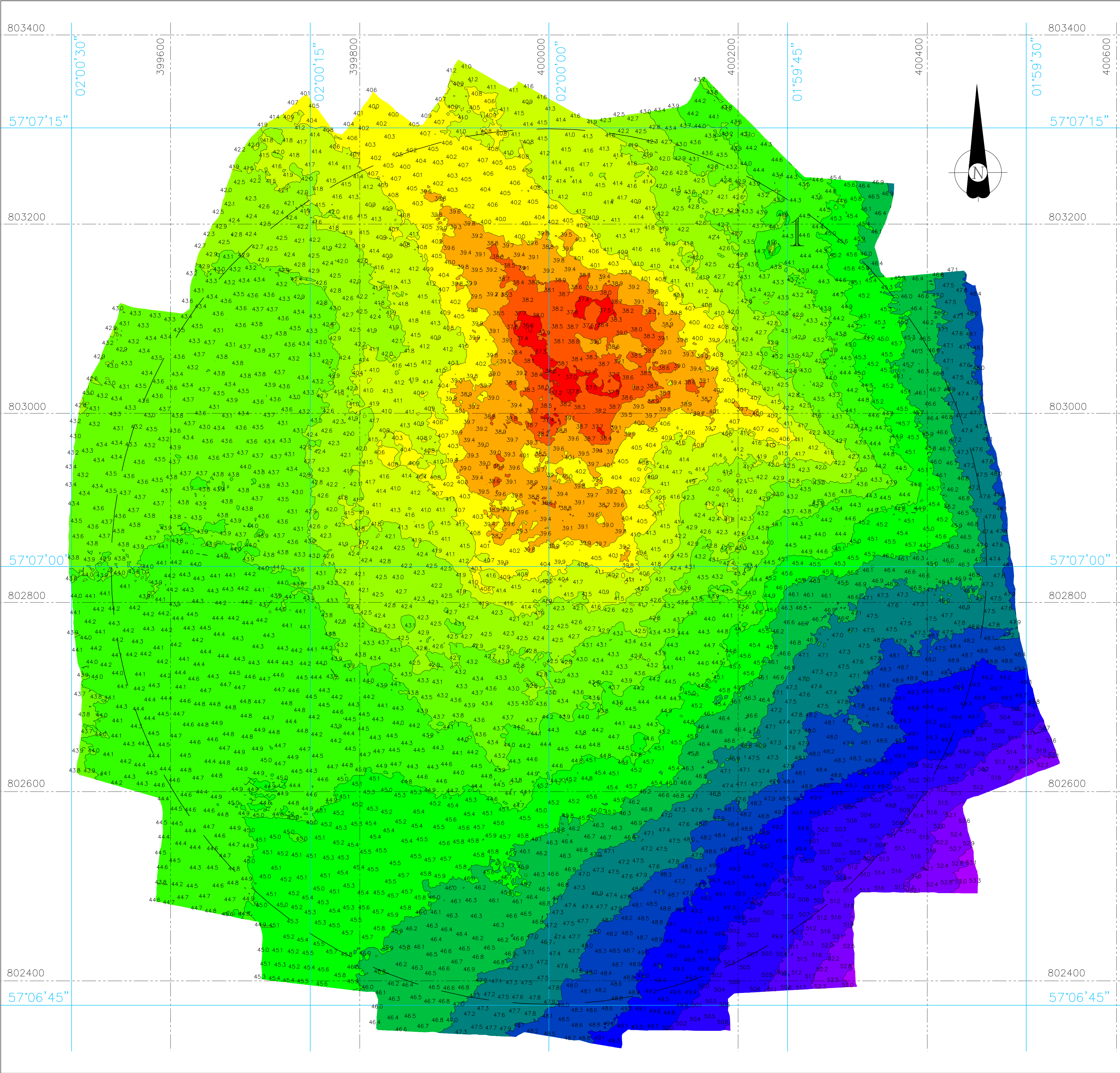
PROJECT :
ABERDEEN HARBOUR BOARD
Aberdeen Harbour Expansion Project

TITLE :
DREDGING WORKS - EIA REPORT
INDICATIVE AREAS OF ROCK DREDGING

DRAWN : K.M.	DATE : 16-10-15	CHECKED : I.T.	DATE : 16-10-15
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SCALE : (A1) 1:2000	DRAWING STATUS : INFORMATION
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DRAWING No : 121106 - 1014	REV : -
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LOCATION PLAN
(SCALE 1:50,000)

Notes

- Spoil ground Centre co-ordinate = 400000,802838 (57° 07' N, 02° 00' W)
 - Spoil ground dimension = 0.25 Nautical Miles radius (462.8 Metres)
 - Survey carried out using Reson 7125sv Multibeam Echo Sounder, Applanix PosMV Positioning System and Hypack Data Acquisition and Post Processing Software.
 - Co-ordinates are to Ordnance Survey Grid(O.S.G.B.1936)
 - All soundings are reduced to Admiralty Chart Datum 1975 in Metres
 - Tidal corrections are from the Aberdeen Harbour tide gauge
 - Obstruction 1 = 3.6 Metre projection from the seabed over a length of approx. 13 and 6M Metres (Wreck)
 - [Drawing Reference...](#)
- CH12-006-SG - Spoil ground Bathymetric Survey (29-11-12)
Post Capital Dredge of Channel
(Aberdeen Harbour Board)

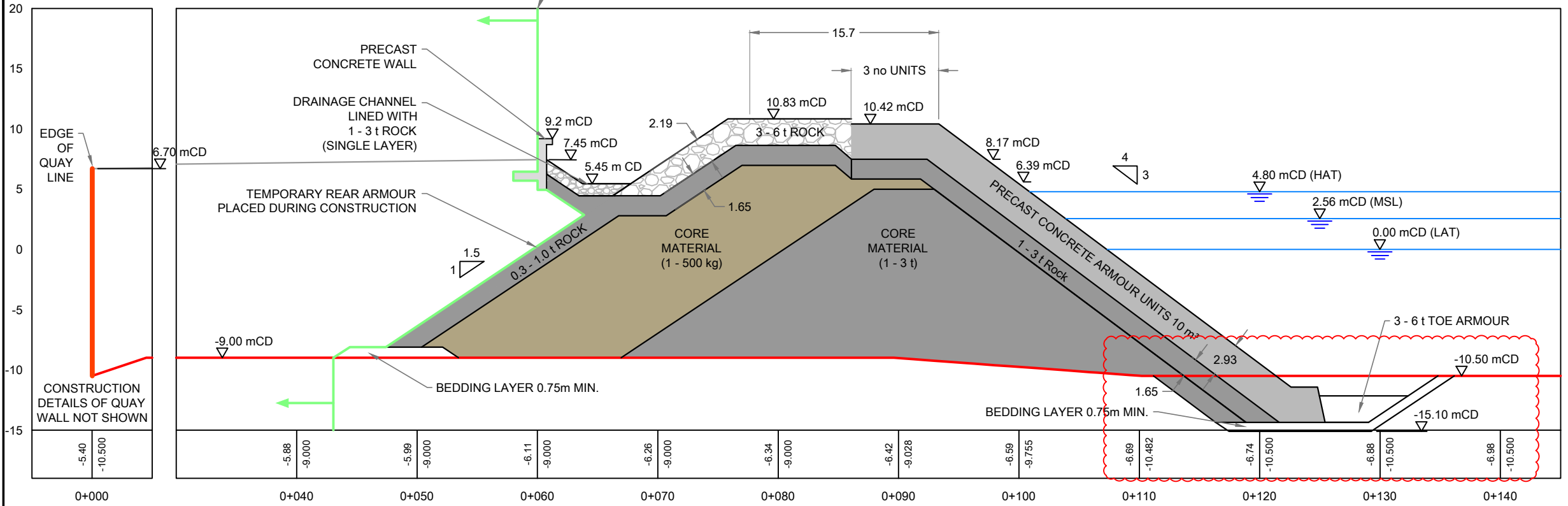
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PROJECT : ABERDEEN HARBOUR BOARD Aberdeen Harbour Expansion : Nigg Bay.				
TITLE : Aberdeen Harbour Board - Spoil Ground Bathymetric Survey. Date : 12-11-29				
DRAWN : K.M	DATE : 13-05-15	CHECKED : G.W.A.	DATE : 07/08/14	
SCALE : (A1) 1:50000, 1:2500		DRAWING STATUS : INFORMATION		
DRAWING No : 121106 - 1010			REV : -	

16/10/15 RER \\hvw-uk.local\projects\live\dkr5379\drawings\DKR5379_100_D101-D104_4.dwg

HARBOUR
SIDE

SEAWARD
SIDE

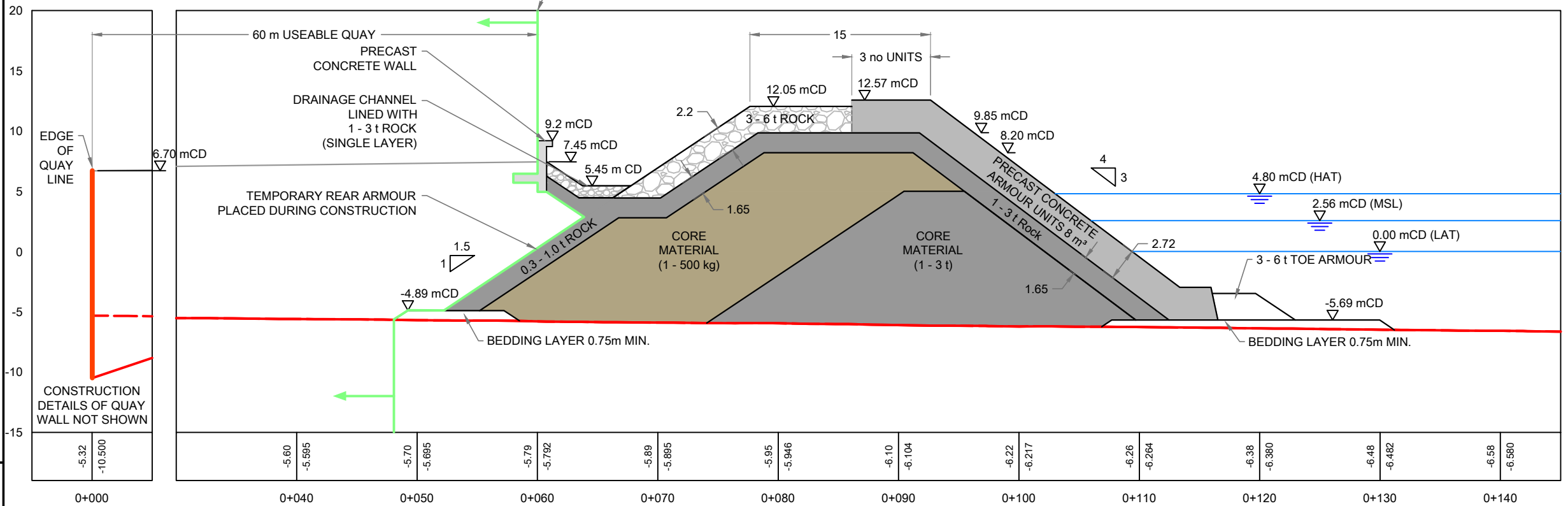
N 00



HARBOUR
SIDE

SEAWARD
SIDE

N 100



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03	REAR DETAIL REVISED	RER	JJH	ICC	05 JUN 15
02	ISSUED FOR PHYS MODEL	RER	JJH	ICC	14 APR 15
01	UNIT SIZES REVISED	RER	AUO	ICC	07 APR 15
00	DRAFT	RER	AUO	ICC	20 MAR 15
REV	DRAWING STATUS	DRN.	APPR.	AUTH.	DATE

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PROJECT:

ABERDEEN HARBOUR
EXPANSION PROJECT

DRAWING TITLE:

NORTHERN BREAKWATER SECTIONS
N00 & N100

SCALE:
1:400

SHEET SIZE:
A3

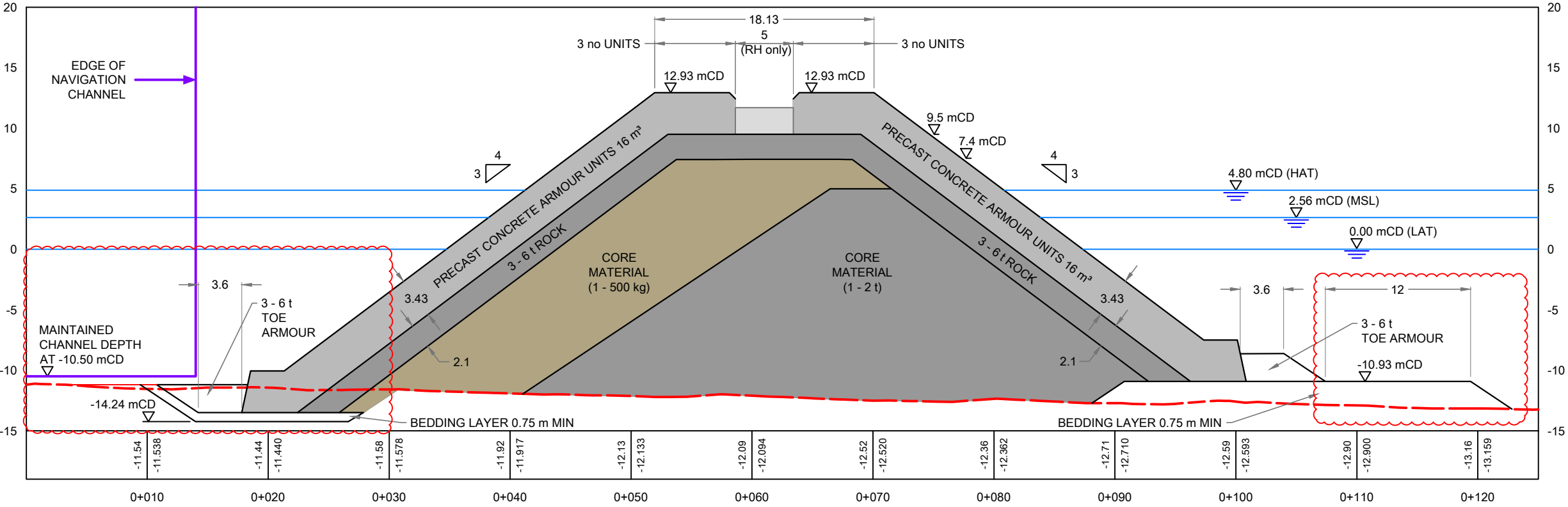
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DKR5379/100/D101

REV:
04

NORTH/HARBOUR
SIDE

S 00

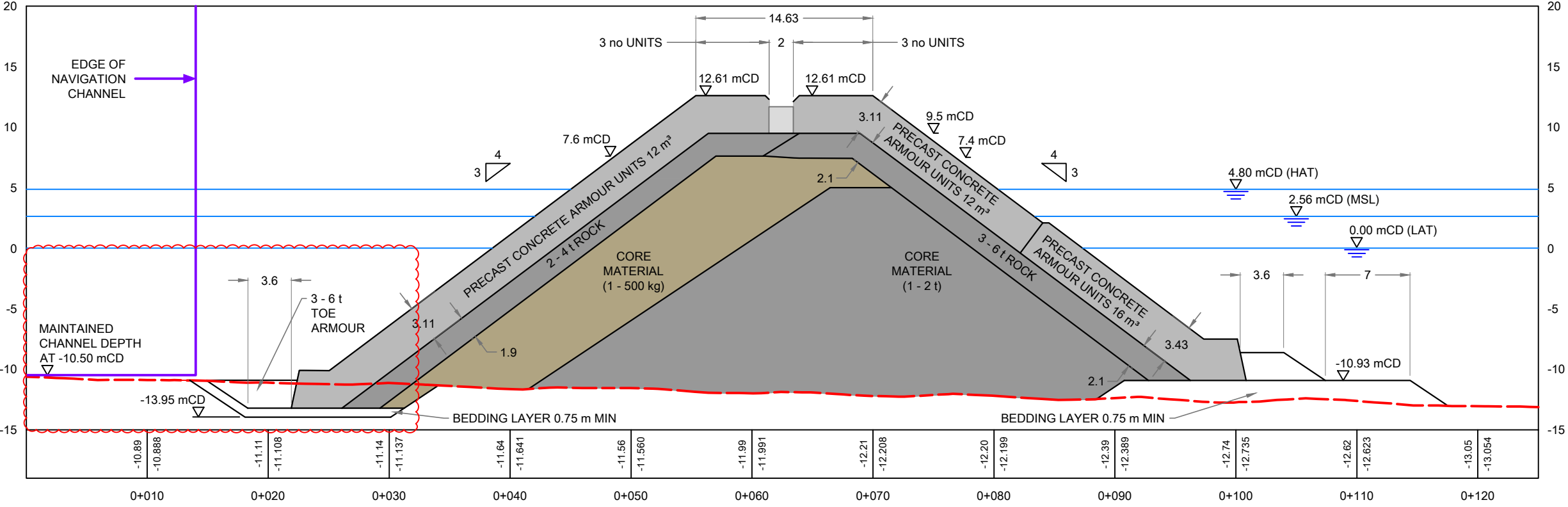
SOUTH
SIDE



NORTH/HARBOUR
SIDE

S 100

SOUTH
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02	ISSUED FOR PHYS MODEL	RER	JJH	ICC	14 APR 15
01	UNIT SIZES REVISED	RER	AUO	ICC	08 APR 15
00	DRAFT	RER	AUO	ICC	20 MAR 15
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**ABERDEEN HARBOUR
EXPANSION PROJECT**

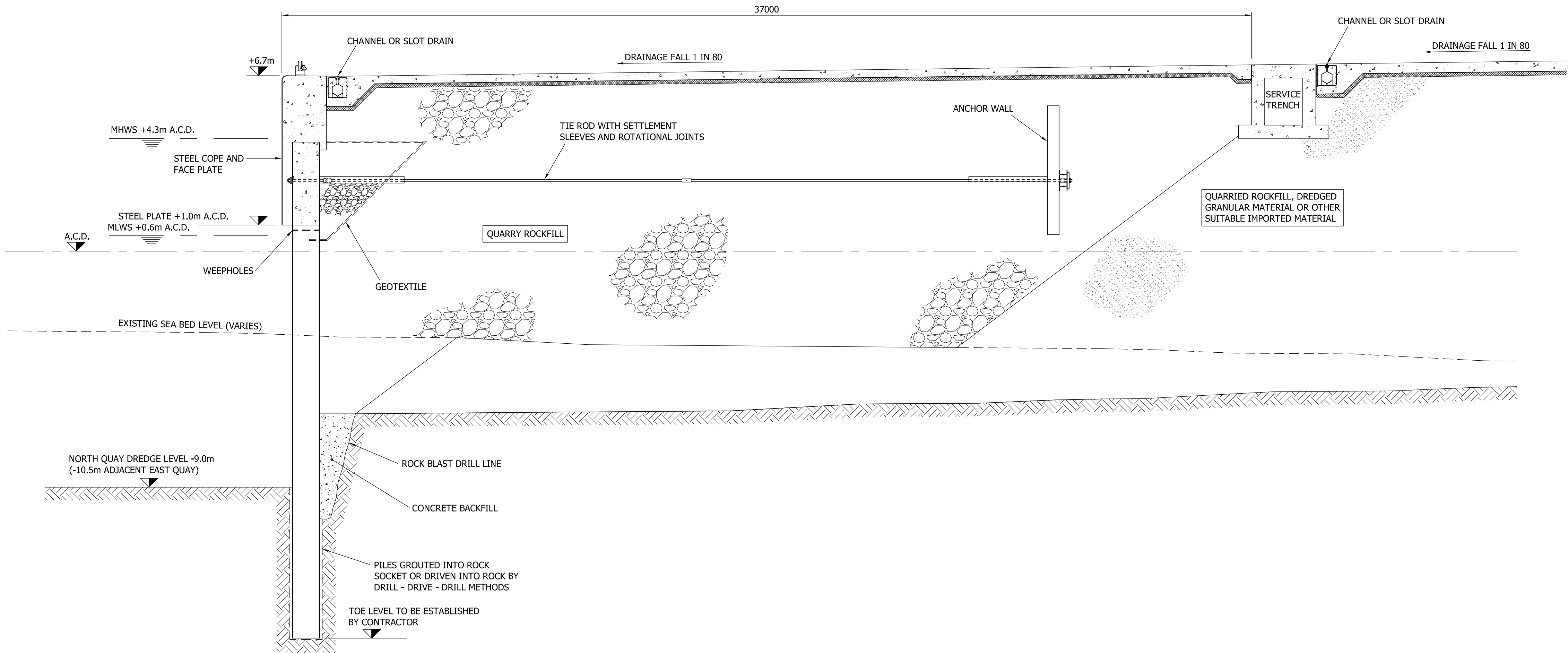
DRAWING TITLE:
**SOUTHERN BREAKWATER SECTIONS
S00 & S100**

SCALE:
1:400

SHEET SIZE:
A3

DRAWING No:
DKR5379/100/D201

REV:
03



SECTION THROUGH NORTH QUAY
(SCALE:- 1:100)

A	1-10-15	GENERAL AMENDMENTS	MJ.	
REV	DATE	REVISION	DRN	CHK

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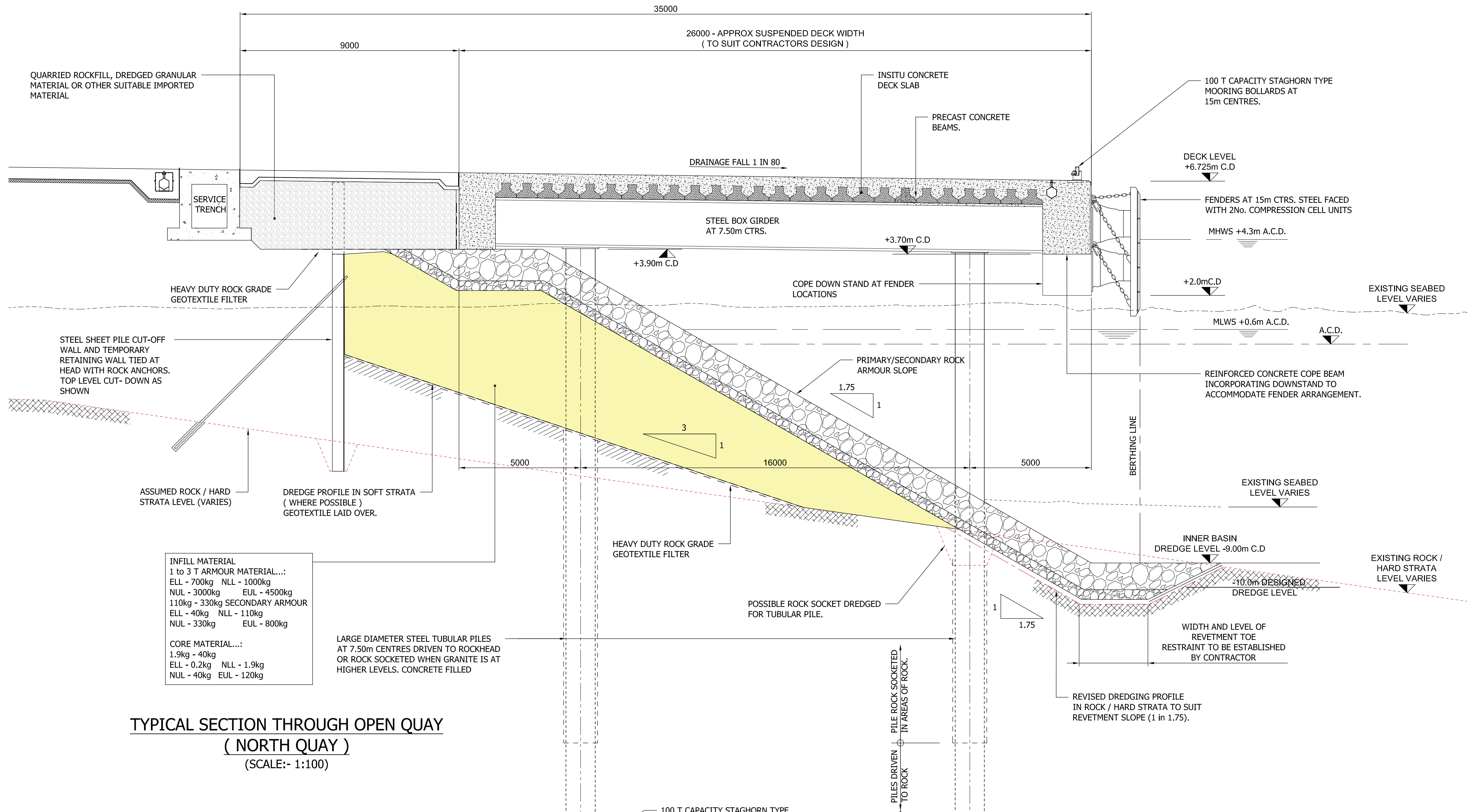
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ABERDEEN HARBOUR BOARD
Aberdeen Harbour Expansion Project

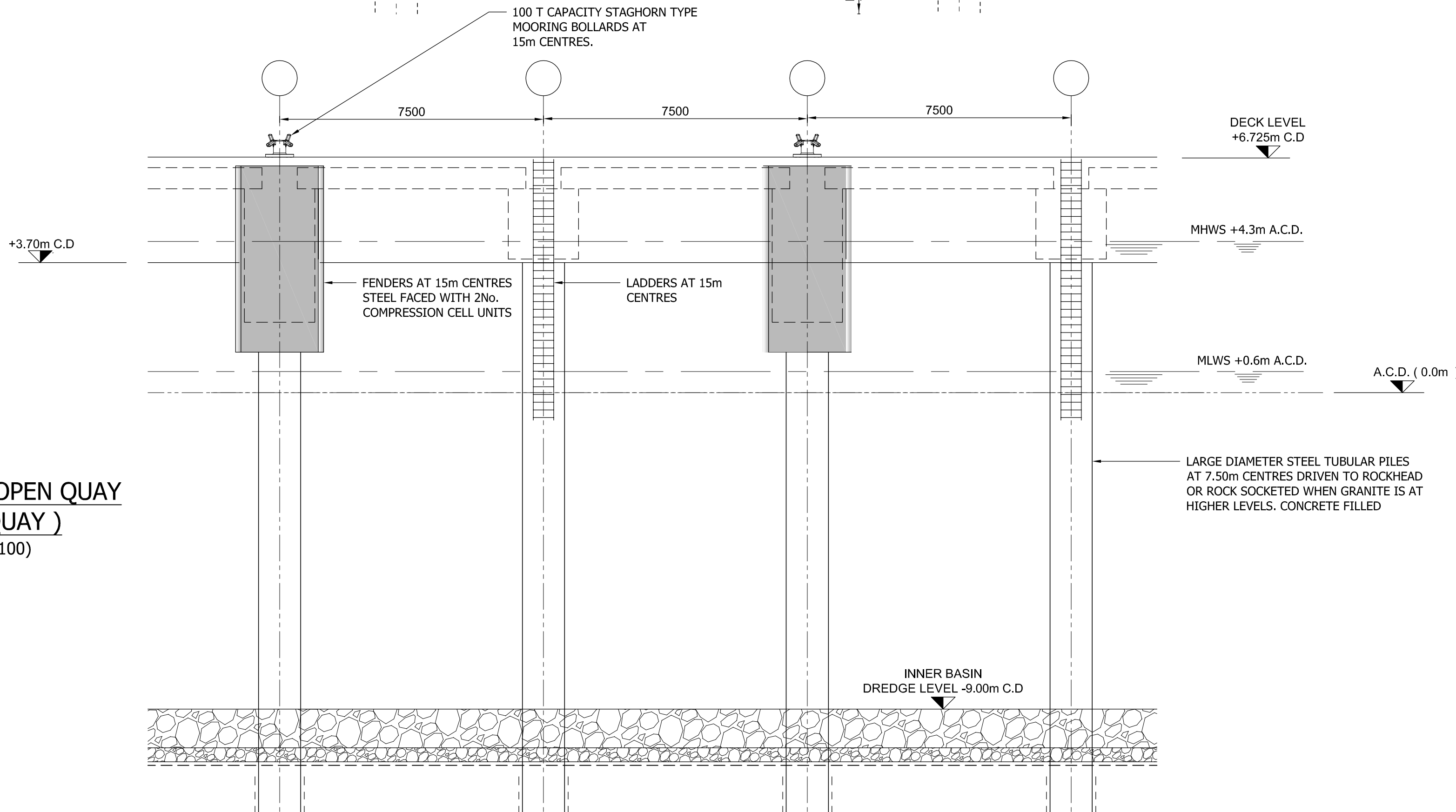
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TYPICAL SECTION THROUGH NORTH QUAY

DRAWN : TAP/MJ.	DATE : 27-7-15	CHECKED :	DATE :
SCALE : (A1) AS SHOWN	DRAWING STATUS : INFORMATION		
DRAWING No : 121106 - 2702			REV : A

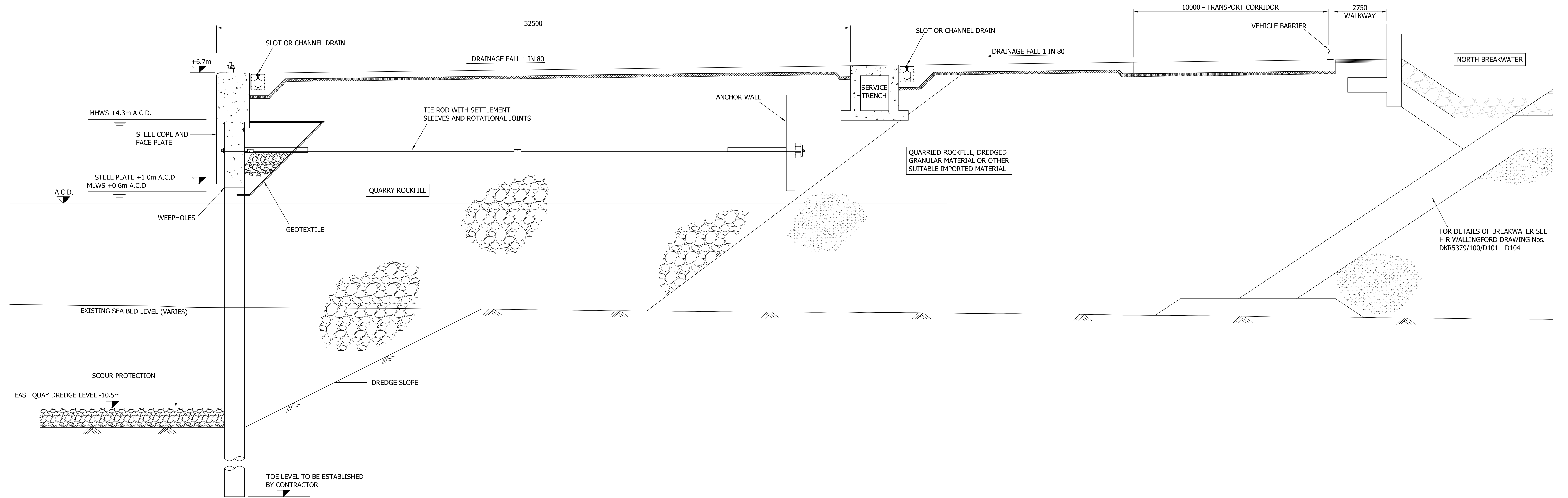


TYPICAL SECTION THROUGH OPEN QUAY
(NORTH QUAY)
(SCALE:- 1:100)

ELEVATION ON OPEN QUAY
(NORTH QUAY)
(SCALE:- 1:100)



REV	DATE	REVISION	DRN	CHK
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PROJECT : ABERDEEN HARBOUR BOARD Aberdeen Harbour Expansion Project				
TITLE : TYPICAL CROSS SECTION AND ELEVATION ON OPEN QUAY - NORTH QUAY				
DRAWN : KWM	DATE : 12/12/13	CHECKED : R.D.S	DATE : 12/12/13	
SCALE : (A1) 1:100		DRAWING STATUS : INFORMATION		
DRAWING No : 121106 - 2706			REV : -	



SECTION THROUGH EAST QUAY
(SCALE:- 1:100)

A	2-10-15	GENERAL AMENDMENTS	MJ.	
REV	DATE	REVISION	DRN	CHK

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Aberdeen Harbour Expansion Project

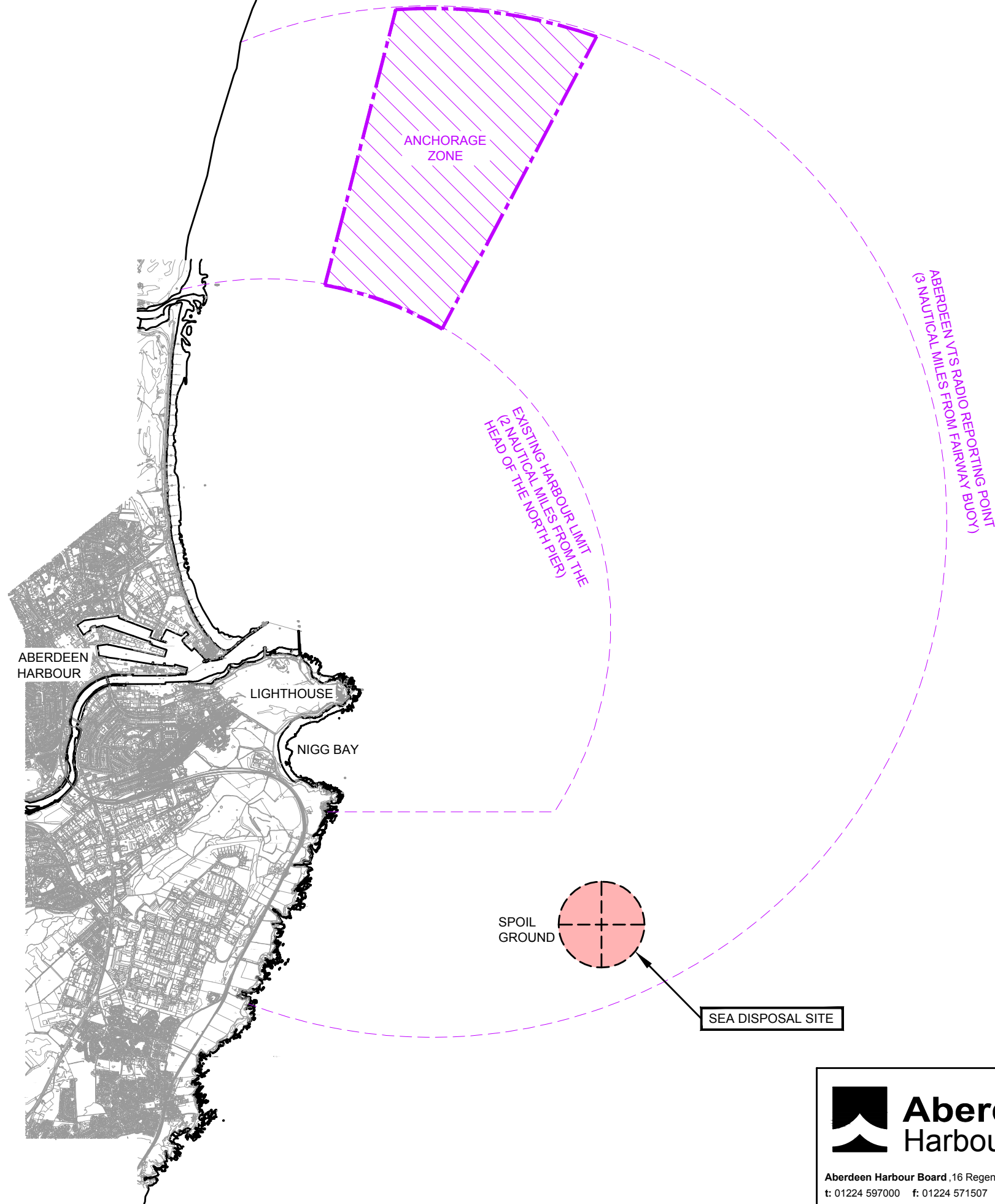
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TYPICAL SECTIONS THROUGH EAST QUAY

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DRAWING No : 121106 - 2703	REV : A		

ILLUSTRATIVE
DRAWING

14. AHB jurisdiction 2015001-504

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SEA DISPOSAL SITE
(MARINE LICENCE NAME/CODE: ABERDEEN, CR110):-
THE SEA DISPOSAL SITE CENTRE CO-ORDINATES ARE AS
FOLLOWS WITH A 0.25 NAUTICAL MILES (426.8 METRES)
RADIUS LIMIT:-
OSGB 1936:-
EASTING: 400000.00
NORTHING: 802838.00
LAT: 57° 07'N
LON: 002° 00'W



Aberdeen Harbour Board, 16 Regent Quay, Aberdeen, AB11 5SS.
t: 01224 597000 f: 01224 571507 www.aberdeen-harbour.co.uk

Title:
Aberdeen Harbour Expansion Project
Plan of Aberdeen Bay Showing
Existing Sea Disposal Site

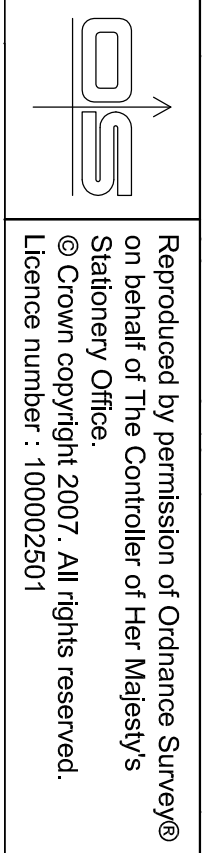
Drawn by: S. Buchan

Date: 03/09/15

Scale: 1:50,000

Drawing Number:

2015001-504



PROJECT :			
ABERDEEN HARBOUR BOARD			
Aberdeen Harbour Expansion Project			
TITLE :			
MARINE LICENCE APPLICATION			
CONSTRUCTION WORKS : GENERAL PLAN			
DRAWN :	DATE :	ORDERED :	DATE :
K.M	12-5-16	T.C.Y	13-5-11
SCALE : (A1)		DRAWING STATUS :	
1:2000		INFORMATION	
DRAWING NO.:		REV.:	
121106-1301		A	

PROJECT :			
ABERDEEN HARBOUR BOARD			
Aberdeen Harbour Expansion Project			
TITLE :			
MARINE LICENCE APPLICATION			
CONSTRUCTION WORKS : GENERAL PLAN			
DRAWN :	DATE :	ORDERED :	DATE :
K.M	12-5-16	T.C.Y	13-5-11
SCALE : (A1)		DRAWING STATUS :	
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