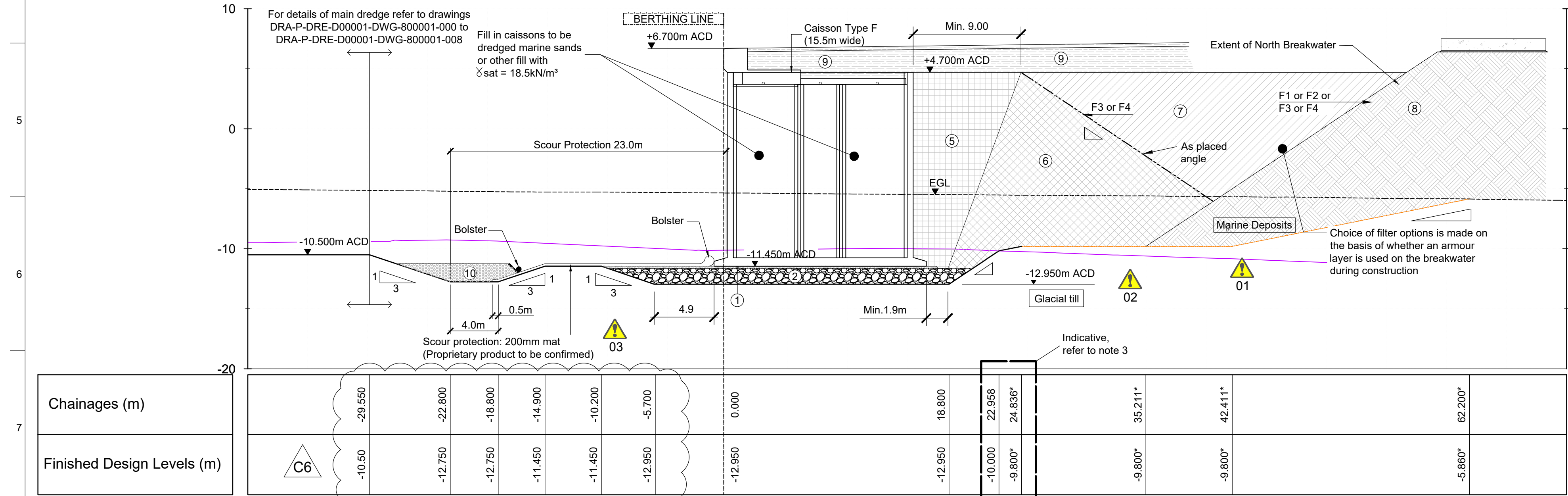


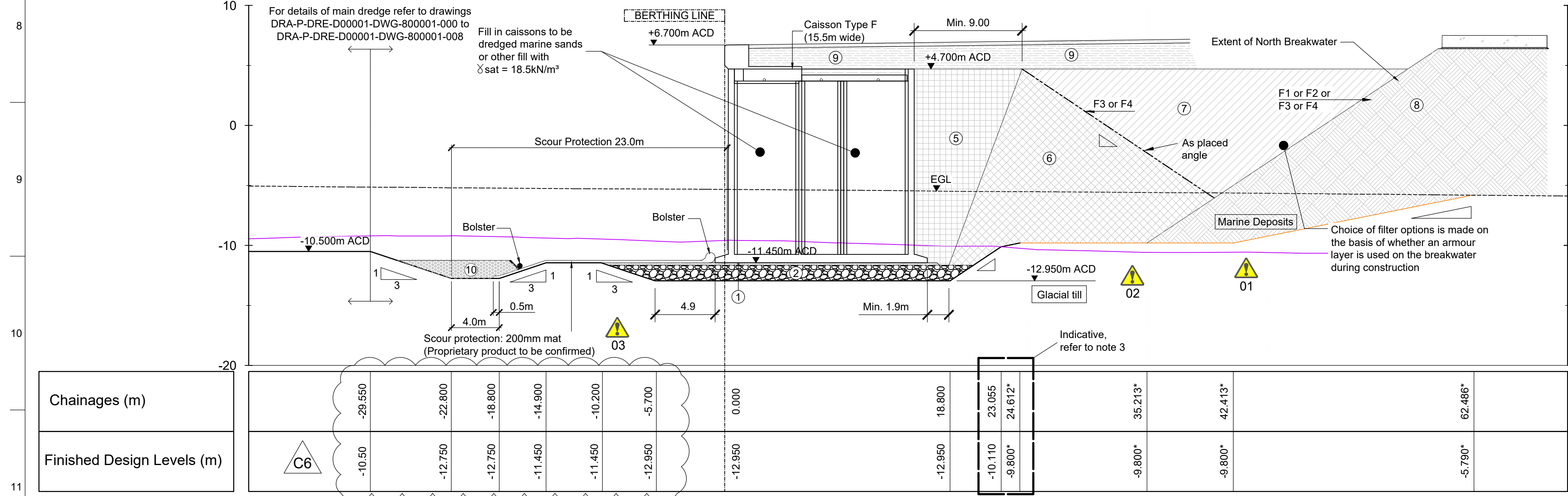
Section ch 2528

Scale: Ver 1:250
Horiz 1:250



Section ch 2488

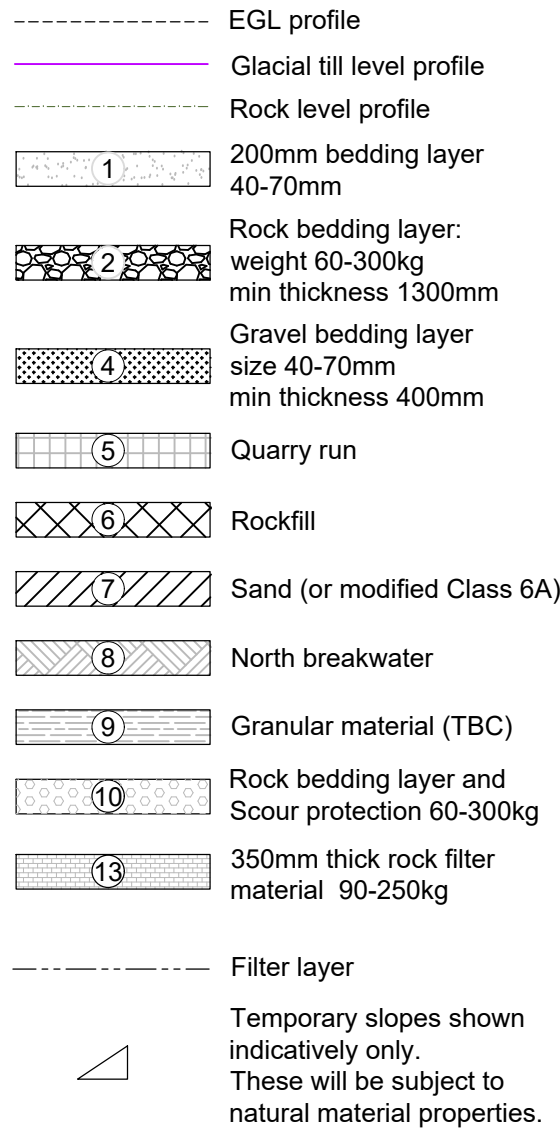
Scale: Ver 1:250
Horiz 1:250



Section ch 2438

Scale: Ver 1:250
Horiz 1:250

Legend:



Tidal level	(m A.C.D.)
HAT	4.80
MHWS	4.30
MHWN	3.40
MSL	2.56
MLWN	1.60
MLWS	0.60
LAT	0.00

Abbreviations:

MHWS	Mean High Water Spring
MLWS	Mean Low Water Spring

Dimensions denoted by * are extracted directly from the model provided by DUK on 24/04/18. DUK to confirm that these dimensions are consistent with temporary works design.

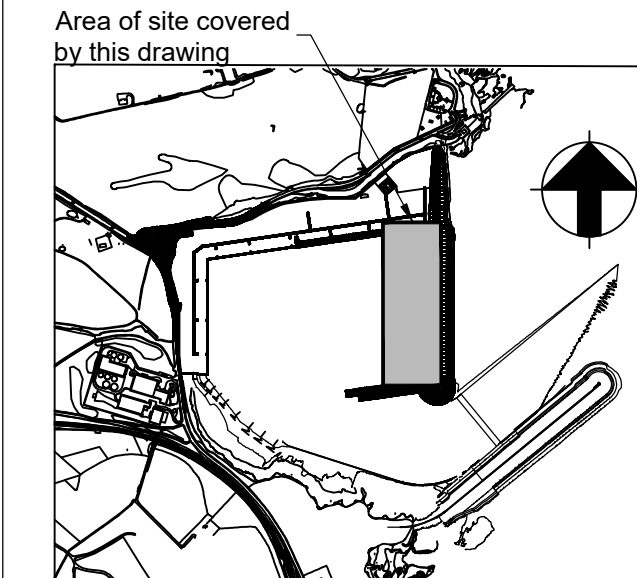
HEALTH AND SAFETY
INFORMATION

SIGNIFICANT OR EXCEPTIONAL RISKS ARE
IDENTIFIED BELOW

1. The potential risk of alternative ground conditions or less favourable slope angles should be noted. The corresponding potential to create an interaction between dredge slopes to the back of the east quay and the north breakwater should be considered and monitored during the works.
2. Preparation of bed for caisson placement may require working under temporary works slopes.
3. There is the potential for boulders within the glacial till deposits which could cause dredging equipment to become caught.

Notes:

1. All dimensions are in metres (m) unless noted otherwise.
2. All levels are given in metres above admiralty chart datum (A.C.D.) unless noted otherwise.
3. Seabed, soil and rock levels have been interpreted from ground investigation information and will vary.
4. Level control for both vertical and horizontal directions shall be in accordance with Materials and Workmanship Specification.
5. The slope angles shown assume temporary conditions only and should be regarded as indicative. The risk of variation in ground conditions and the impact on slope angle should be noted.
6. Horizontal dimensions indicated are the minimum required by the design for the in service performance of the design. Increase above these values may be required by the contractor for installation or safety reasons.
7. An overdredge allowance of 0.75m has been made below the design dredge level in glacial till to set the top of the scour protection layer.
8. For caissons founded on rock, width of concrete edge protection slab shall extend to meet dredged slope as required.
9. Termination details for scour protection are supplier specific and will be developed further.
10. Position of glacial till to rock transition based on interpretation of existing information. Location shown is indicative only and may vary based on findings of dredge operations. Extent of scour mat may be moved to suit encountered ground conditions.
11. This drawing is to be printed in colour.



Issue	Date	By	Chkd	Appd
C6	11/01/2019	SR	JLE	NL
Issued for Construction				
C5	04/12/2018	PC	JLE	NL
Issued For Construction				
C4	24/05/2018	PC	JLE	NL
ISSUED FOR CONSTRUCTION				

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Client

DRAGADOS

Job Title
Aberdeen Harbour
Expansion Project

Drawing Title
East Quay
Dredge and Scour
Cross Sections
Sheet 1

Arup Job No	253300-00	Scale at A1	H & V 1:250
Discipline	Civil Geotechnical		
Drawing Status	ISSUED FOR CONSTRUCTION	Rev	C6
Drawing No	DRA-P-EAQ-EQ0002-DWG-800001-001		

Note:

For details of general dredging to this area, refer to drawings:

1. DRA-P-DRE-D00001-DWG-800001-000 General Dredging Key Plan
2. DRA-P-DRE-D00001-DWG-800001-001 to 008 General Dredging Typical Cross Sections
3. DRA-P-DRE-D00001-DWG-800002-000 Setting out overall layout

For details of North Breakwater, refer to drawings:

1. DRA-P-NBW-NB0002-DWG-250001-000 to 002 North Breakwater General Arrangement
2. DRA-P-NBW-NB0002-DWG-250001-003 to 035 North Breakwater Typical Cross Sections

For East Quay, refer to drawings:

1. DRA-P-EAQ-EQ0002-DWG-800001-000 Dredge and Scour Detailed Plan and Setting Out

For East Quay setting out details of Scour mat, refer to drawing:

1. DRA-P-EAQ-EQ0002-DWG-800002-000 Scour Mat Detailed Plan and Setting Out

For East Quay details of the fill material and filter layer parameters refer to drawing:

1. DRA-P-EAQ-EQ0002-DWG-800003-000 Fill Material and Filter Layer Parameters

For further information relating to the caissons and cope beam,
refer to the following drawings:

1. DRA-P-PWQ-DS0003-DWG-170001-000
2. DRA-P-EAQ-EQ0003-DWG-180001-000 and 001 General Layout
3. DRA-P-EAQ-EQ0003-DWG-180004-000 and 001 Caisson Type F
4. DRA-P-EAQ-EQ0003-DWG-180012-000 and 001 Caisson Type D
5. DRA-P-EAQ-EQ0004-DWG-180400-000 to 180406-000

