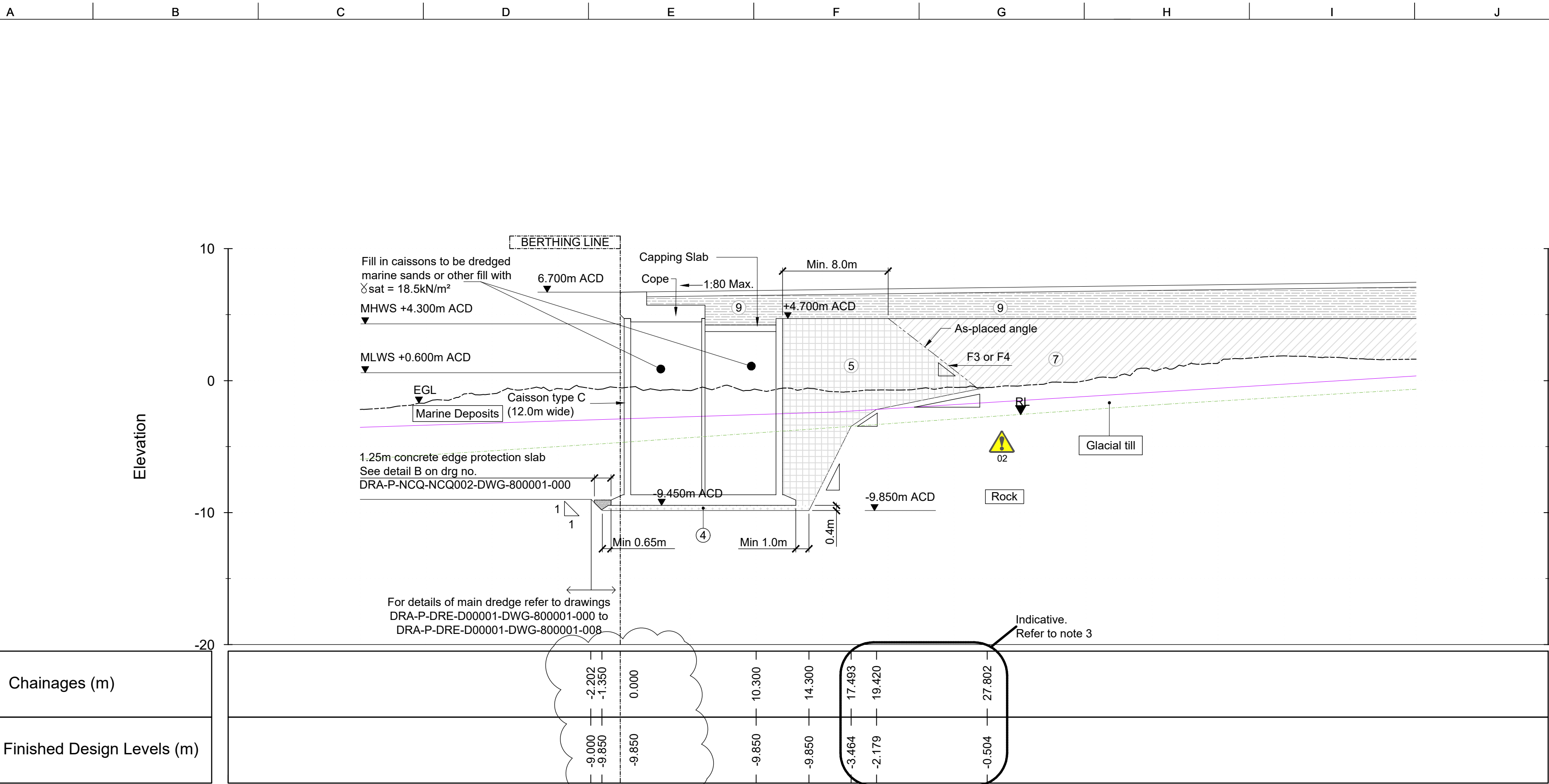
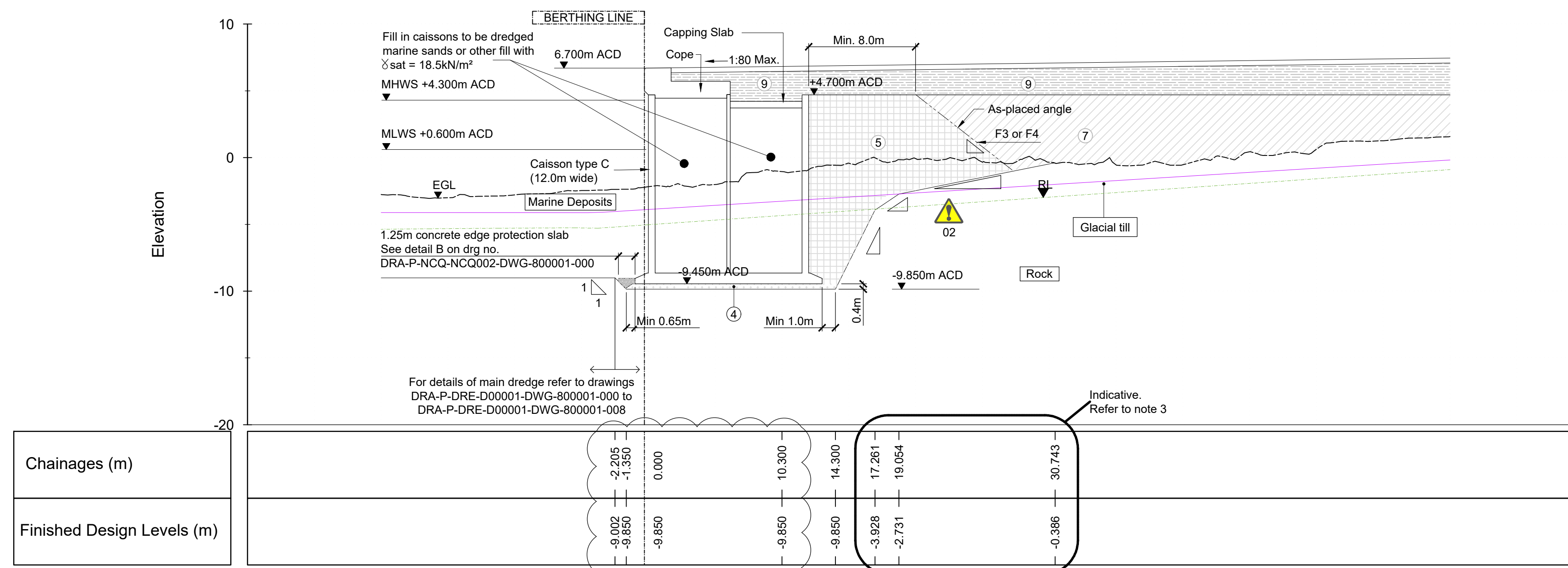


A1
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11



Section ch 1876m

Scale: Ver 1:250
Horiz 1:250



Section ch 1916m

Scale: Ver 1:250
Horiz 1:250

Legend:

- EGL profile
- Glacial till level profile
- Rock level profile
- ① 200mm bedding layer 40-70mm
- ② Rock bedding layer: weight 60-300kg min thickness 1300mm
- ④ Gravel bedding layer size 40-70mm min thickness 400mm
- ⑤ Quarry run
- ⑥ Rockfill
- ⑦ Sand (or modified Class 6A)
- ⑧ North breakwater
- ⑨ Granular material (TBC)
- Filter layer
- Temporary slopes shown indicatively only. These will be subject to natural material properties.

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



HEALTH AND SAFETY INFORMATION

SIGNIFICANT OR EXCEPTIONAL RISKS ARE IDENTIFIED BELOW

- 01 The potential risk of alternative ground conditions or less favourable slope angles should be noted.
- 02 Preparation of bed for caisson placement may require working under temporary works slopes.
- 03 There is the potential for boulders within the glacial till deposits which could cause dredging equipment to become caught.
- 04 Interaction with North West Quay Revetment construction. Temporary stability to be considered during planning stage.

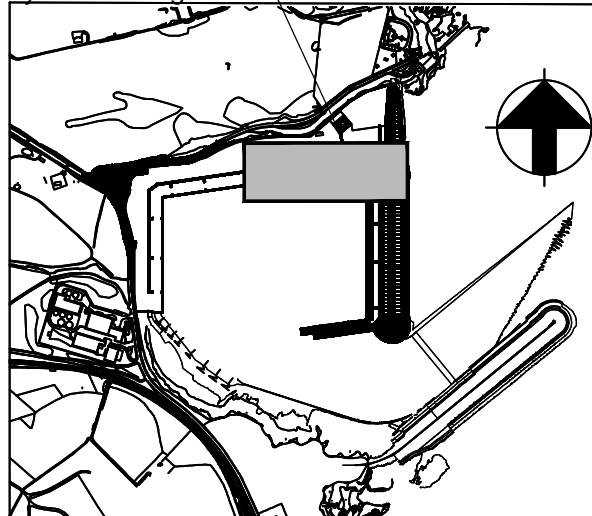
Notes:

- All dimensions are in metres (m) unless noted otherwise.
- All levels are given in metres above admiralty chart datum (A.C.D.) unless noted otherwise.
- Seabed, soil and rock levels have been interpreted from ground investigation information and will vary.
- Level control for both vertical and horizontal directions shall be in accordance with Materials and Workmanship Specification.
- 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.
- 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.
- For caissons founded on rock, width of concrete edge protection slab shall extend to meet dredged slope as required.
- This drawing is to be printed in colour.

Abbreviations:

MHWS	Mean High Water Spring
MLWS	Mean Low Water Spring

Area of site covered by this drawing



Key Plan

C4	11/01/2019	SR	LG	NL
Issued For Construction				
C3	29/11/2018	SR	LG	NL
Issued For Construction				
C2	24/05/2018	PC	LG	NL
Issued For Construction				
Issue	Date	By	Chkd	Appd

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Client

DRAGADOS

Job Title
Aberdeen Harbour
Expansion Project

Drawing Title

North Closed Quay
Dredging 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 C4
Drawing No	DRA-P-NCQ-NCQ002-DWG-800001-001		

