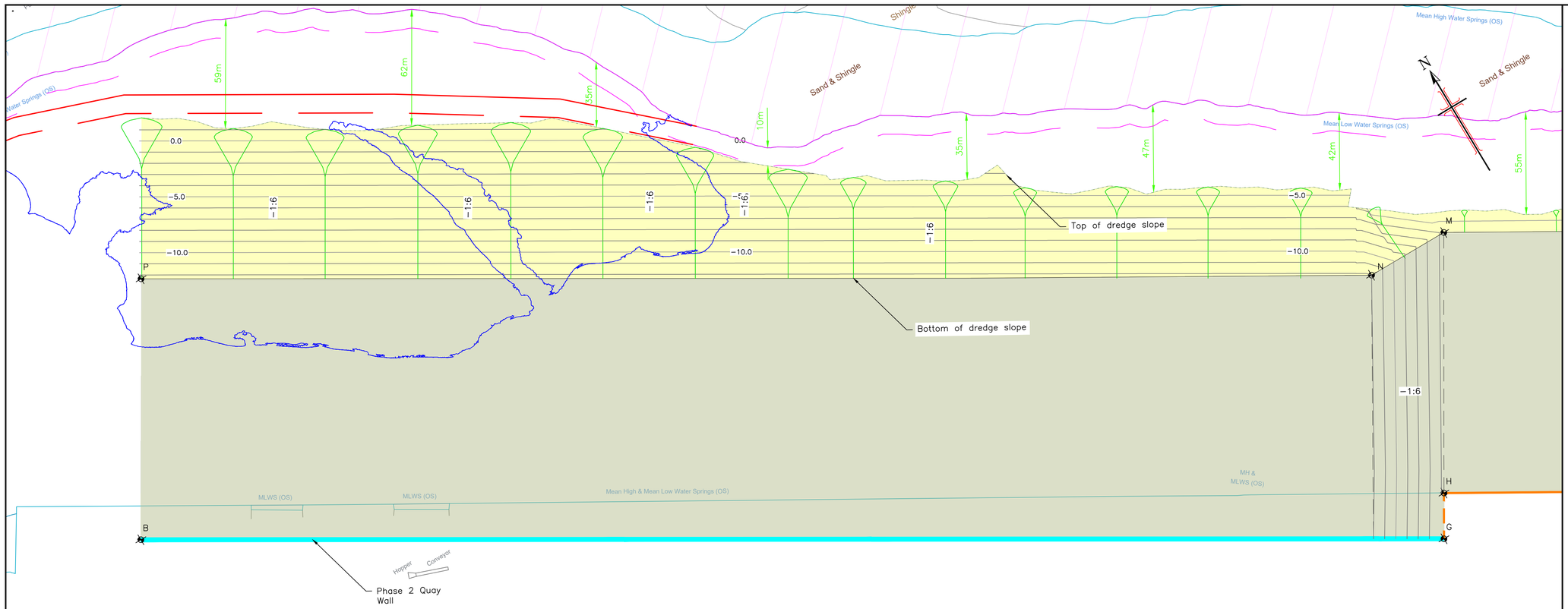
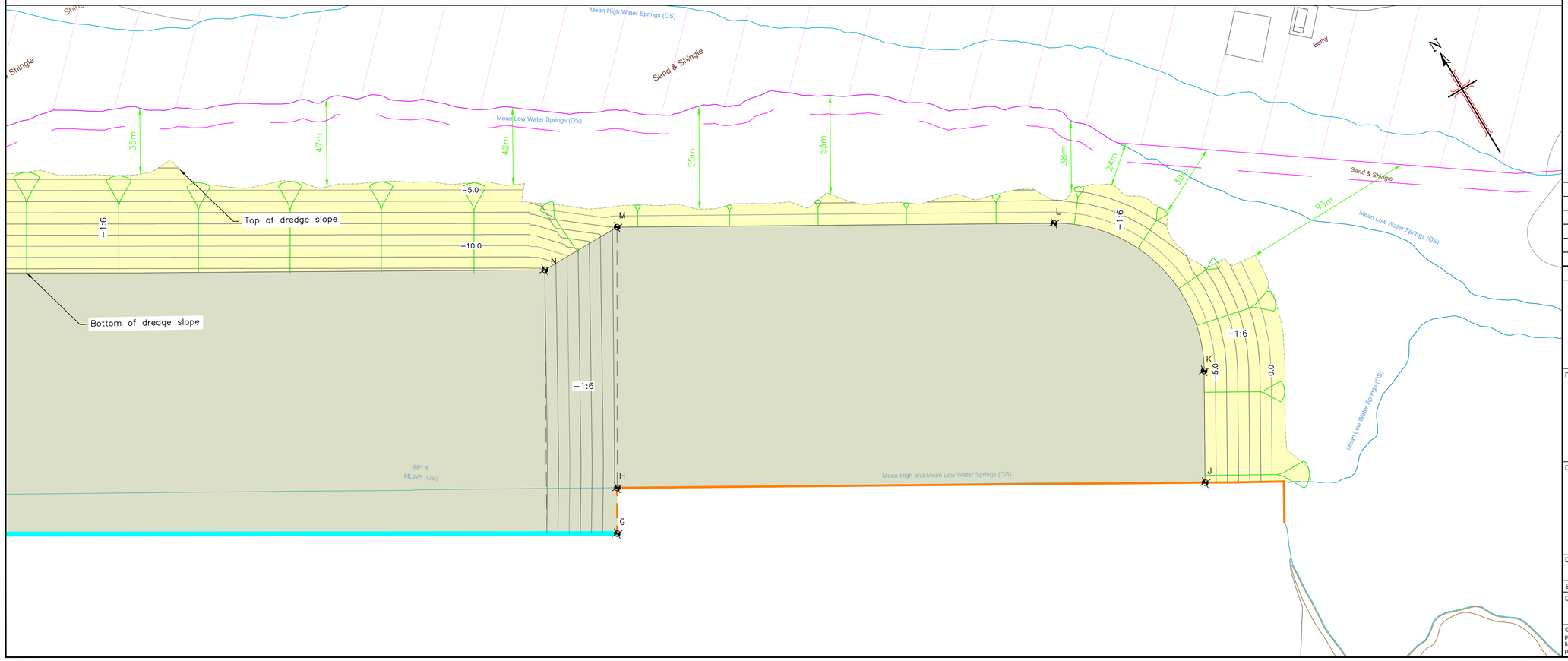




NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

KEY:

SPIT REINSTATEMENT

SPIT REINSTATEMENT STAND-OFF (10m UNLESS NOTED OTHERWISE)

SSSI/ RAMSAR BOUNDARY

SSSI/ RAMSAR STAND-OFF (10m UNLESS NOTED OTHERWISE)

POST REINSTATEMENT MLWS CONTOUR (0.9mCD)

MEAN LOW WATER SPRINGS (OS)

DISTANCE FROM TOP OF DREDGE TO MLWS

0 10 20 30 40 50 60 70 80 90 100

SCALE 1:1250 (A1)
SCALE 1:2500 (A3)
METRES

Rev	Rev. Date	Purpose of revision	Drawn	Checkd	Rev'd
P01	29/09/2026	FOR INFORMATION	JM	CF	CF

Haventus

Project

ARDERSIER PORT
REDEVELOPMENT
PHASE 2

Drawing title

DREDGE OFFSET
TO MLWS

Drawing status

FOR INFORMATION

Scale	1:1250 @ A1, 1:2500 @ A3	DO NOT SCALE

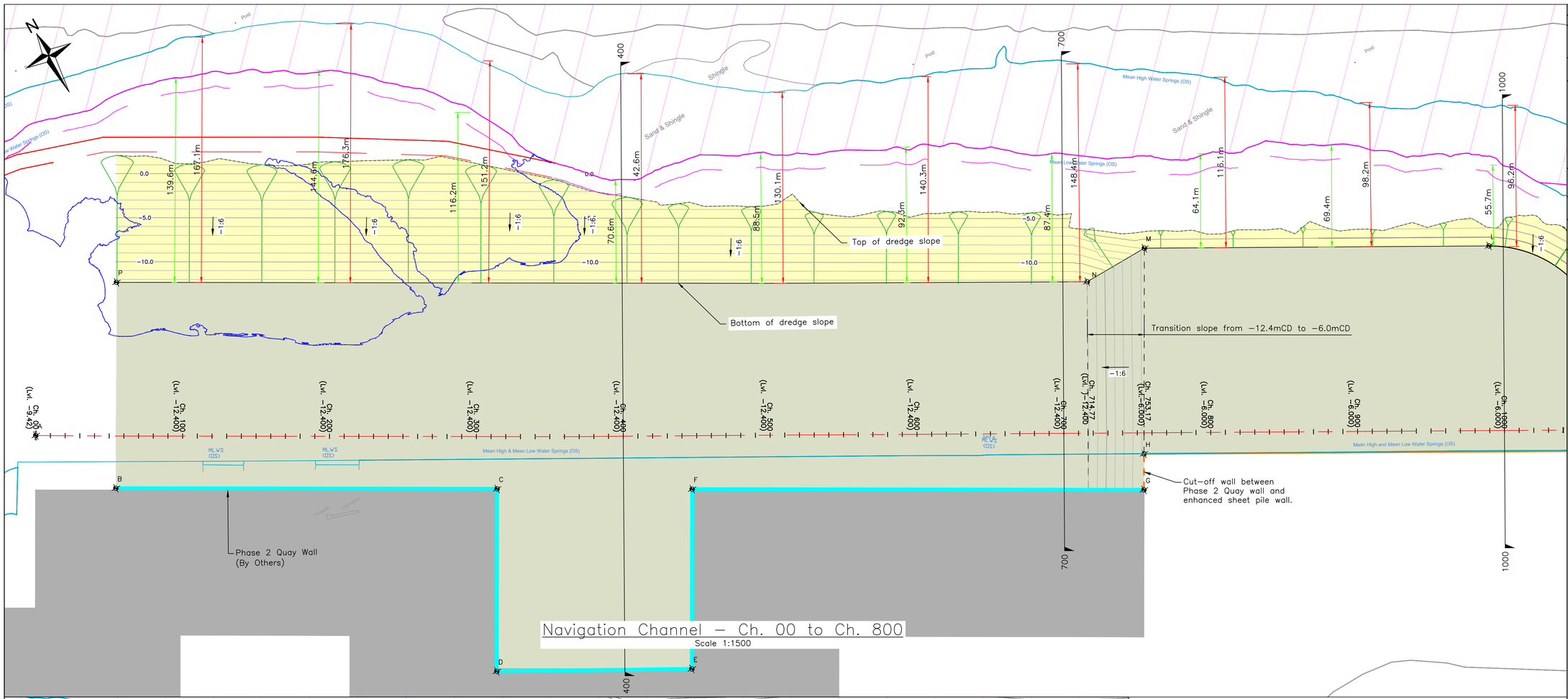
Drawing number

APP2-HAV-DD-CHA-DR-C-000010

Rev

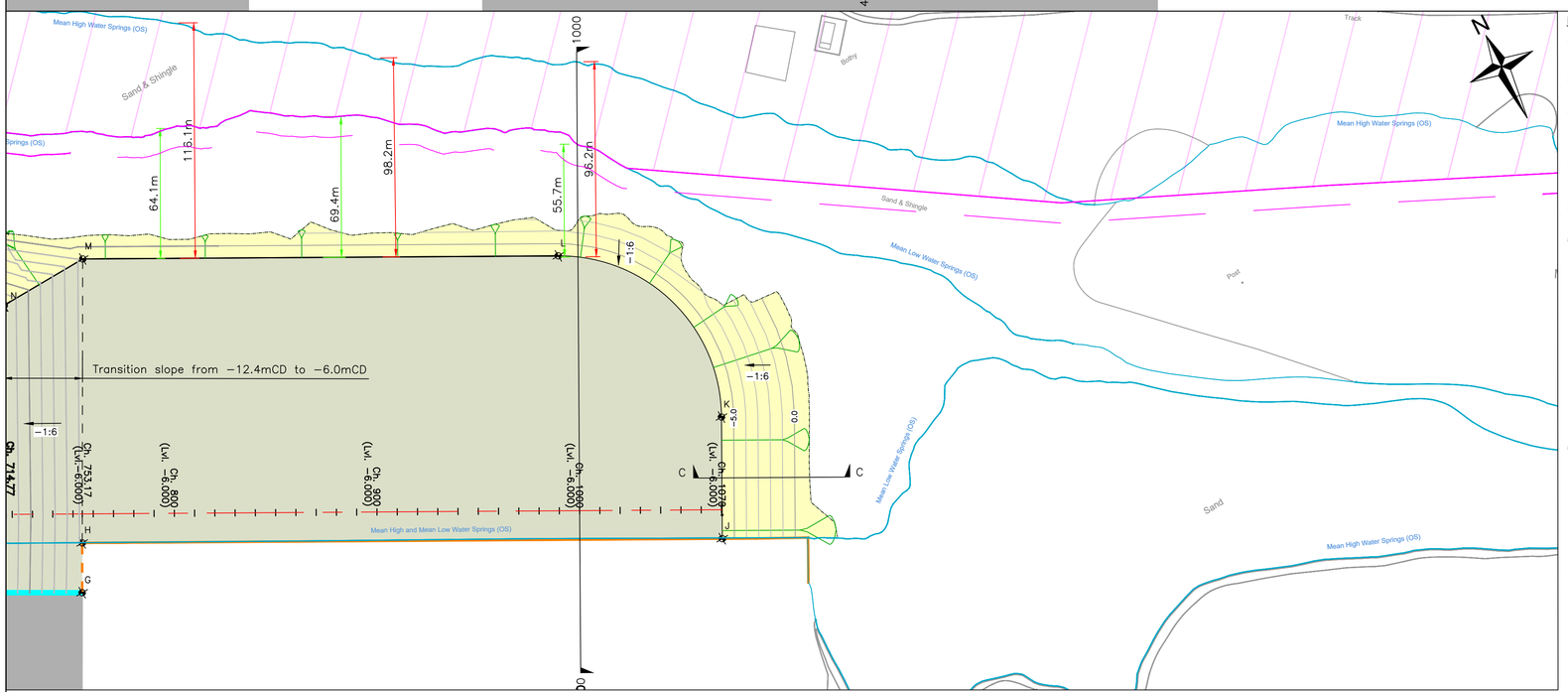
P01

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Navigation Channel – Ch. 00 to Ch. 800

Scale 1:1500



Navigation Channel – Ch. 800 to Ch. 1070

Scale 1:1500

1:1500
30m 0 30m 60m 90m 120m 150m

Notes:

1. Do not scale from this drawing, only written dimensions are to be used.
2. All dimensions in this drawing are in metres, unless noted otherwise.
3. All levels on this drawing are given to Chart Datum (2.14m below Ordnance Survey Datum)
4. Any discrepancies should be reported to the engineer immediately so clarification can be sought.
5. For clarity this drawing should only be printed and read in colour.
6. All dredging works shall be undertaken in accordance with the following reference standards, regulations, good practice and statutory guidance, including but not limited to:
   - BS 6349−5 – Code of practice for Dredging and Land Reclamation;
   - PIANC Approach Channels: A Guide for Design;
   - Dredging – A Handbook for Engineers, 2nd Edition, by R.N. Bray, A.D. Bates & J.M. Land;
   - Water Framework Directive 2000/60/EC – Setting out rules to halt deterioration in the status of EU water bodies and achieve good status for Europe's rivers, lakes and groundwater.
6. The works shall be undertaken in accordance with the conditions of the Marine Licence as obtained from Marine Scotland, by Haventus. The contractor will be advised in writing, at the point the approved license has been obtained and will be furnished with a copy, in order to ensure conformance to the conditions of the Marine License as obtained from Marine Scotland.
7. Where interim side slopes are formed within the navigation channel during the dredging works during movements to the depository site(s), these shall not be excavated so as to from a temporary side slope not greater than 1:4.5 within the area of the channel, and not greater than that of the finalised design slope within the footprint of the Navigation Channel Side Slopes (i.e: 1:6)
8. Prior to the commencement of works, the Contractor shall submit a comprehensive method statement detailing environmental mitigation measures and monitoring in compliance with environmental regulations.
9. Due to the historical use of the Ardersier Port site, it is considered possible that manmade objects may be encountered during the dredging works. As a result, the contractor is required to undertake the filtering of materials through a sufficiently sized gauze, to collect any manmade objects (metal objects, scrap, etc.). These materials shall be returned to an agreed location on the quayside, for subsequent disposal on land to an approximately licensed facility, by the dredging contractor.

Table of Coordinates

Ref.	Latitude	Longitude	Dredge Level
A	57.599248	−4.0019527	−9.416
B	57.598726	−4.0014555	−12.400
C	57.597591	−3.9976613	−12.400
D	57.596614	−3.9986787	−12.400
E	57.596051	−3.9967402	−12.400
F	57.597011	−3.9957385	−12.400
G	57.595653	−3.9912465	−12.400
H	57.595845	−3.9910394	−6.000
J	57.59448	−3.9864135	−6.000
K	57.594955	−3.9859373	−6.000
L	57.595926	−3.9864588	−6.000
M	57.596941	−3.9898945	−6.000
N	57.596941	−3.9906426	−12.400
P	57.599831	−4.0003113	−12.400

Points is this table are for dredging works only, and should not be used for setting out of quay wall.

Do not scale from this drawing.

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.

RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM NO. 162855/DAF/01

CONSTRUCTION:
CLIENT OPERATIONS AND ADJACENT ACTIVITIES
WORKING NEAR TO AND OVER WATERWAYS
WORKING AT HEIGHT
TIDAL WORKING AND INUNDATION
CONTAMINATION
UNEXPLODED ORDNANCE
RESTRICTED SITE
WORKING WITHIN A PROTECTED AREA

DEMOLITION:
NONE THAT WOULD NOT BE APPARENT TO A COMPETENT CONTRACTOR

FOR INFORMATION RELATING TO USE, CLEANING AND MAINTENANCE SEE THE HEALTH AND SAFETY FILE.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

Legend

- X — Denotes Coordinate Point
- Denotes SSSI
- 1:6 Slope to Existing Ground Level
- Navigation Channel Bed
- Phase 2 Quay
- Phase 1 Quay
- Spit Reinstatement
- Spit Reinstatement Stand−off (10m unless noted otherwise)
- SSSI/ Ramsar Boundary
- SSSI/ Ramsar Stand−off (10m unless noted otherwise)
- Post Reinstatement MLWS contour (0.9mCD)
- Phase 2 Quay Wall
- Existing Sheet Wall to be Enhanced
- Mean Low Water Springs (OS)
- Distance from Base of Dredge to MHWS
- Distance from Base of Dredge to MLWS

Rev.	Date	Description	Drwn.	Chkd.	Appd.
03	03.07.26	Added section markers.	GS	AH	AKF

FAIRHURST
Barony House
Stoneyfield Business Park
INVERNESS
IV2 7PA
Tel: 01463 724 544

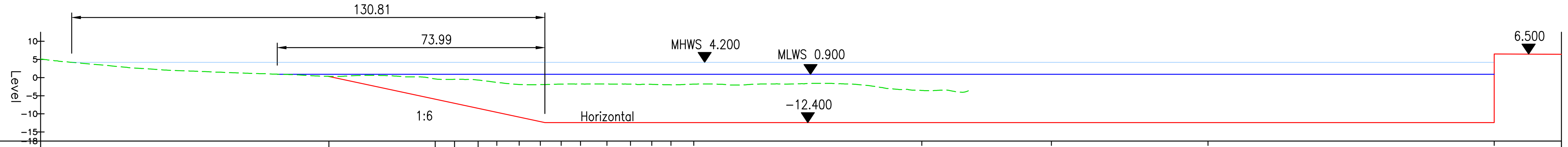
Client: Haventus

Project Title:
Ardersier Port Redevelopment
Phase 2

Drawing Title:
Phase 2 Navigation Channel Offset to MHWS and MLWS

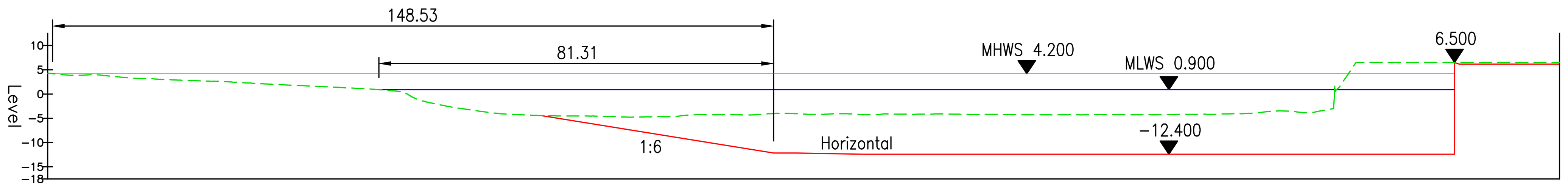
Scale at A1:	Status:	
1:1500	Marine Licence	
Drawn:	Checked:	Approved:
EML	AH	AKF
Date:	Date:	Date:
30/06/2026	30/06/2026	01/07/2026

Drawing No.: APP2−FHT−DD−CHA−DR−C−009085 Revision: 01



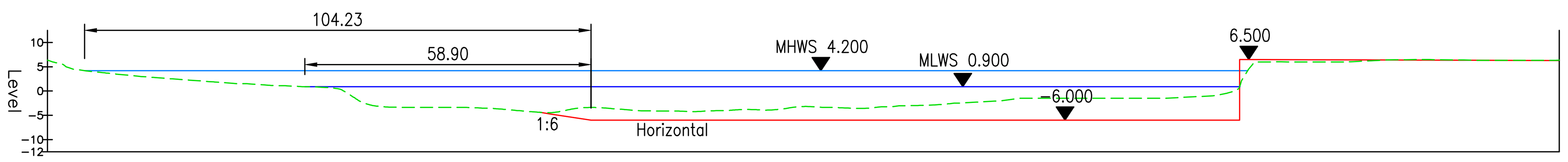
Proposed Levels	0.336	−7.346	−8.242	−9.326	−10.188	−11.214	−12.190	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400
Offsets	−163.535	−134.528	−129.151	−122.645	−117.474	−111.318	−105.463	−99.703	−94.338	−87.041	−80.519	−74.654	−69.352	−63.026	0.000	35.841	79.138	158.241
Existing Levels	0.336	−0.376	−0.481	−0.683	−1.336	−1.913	−1.937	−1.805	−1.772	−1.766	−1.790	−1.876	−1.990	−1.810	−3.542	6.311	6.374	6.518
Level Difference	0.000	−6.970	−7.761	−8.643	−8.853	−9.301	−10.254	−10.595	−10.628	−10.634	−10.610	−10.524	−10.410	−10.590	−8.858	−18.711	−18.774	−18.918

Section Ch. 400
Scale 1:1000



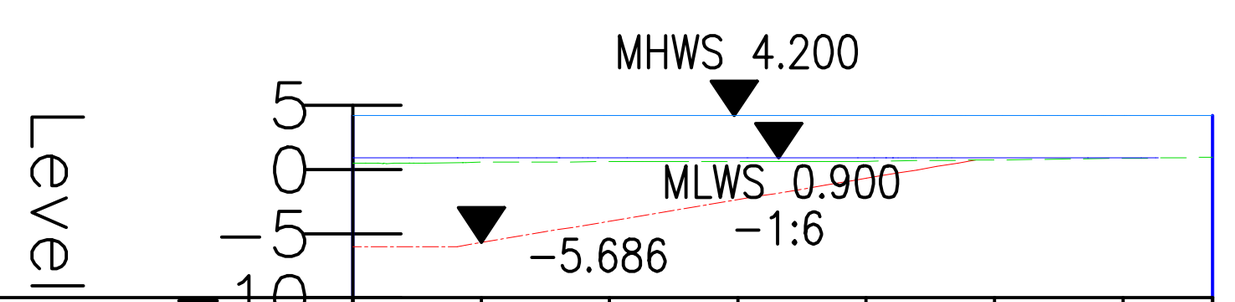
Proposed Levels	−4.438	−4.807	−11.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	−12.400	6.171	6.171
Offsets	−151.161	−148.943	−109.612	−98.846	−84.976	−77.971	−71.728	−66.129	−56.502	−48.520	−41.796	−36.055	−28.859	−22.956	−16.559	−11.398	−5.290	0.000	5.344	10.358	15.462	20.528	25.586	36.834	44.269	52.503
Existing Levels	−4.436	−4.472	−4.304	−4.051	−4.238	−4.146	−4.137	−4.140	−4.204	−4.269	−4.231	−4.230	−4.251	−4.243	−4.168	−4.113	−3.974	−3.505	−3.794	−3.305	4.889	6.500	6.500	6.500	6.500	6.500
Level Difference	−0.002	−0.335	−7.058	−8.098	−8.162	−8.254	−8.263	−8.260	−8.196	−8.131	−8.169	−8.170	−8.149	−8.157	−8.232	−8.287	−8.426	−8.895	−8.606	−9.095	−17.289	−18.900	−18.900	−18.900	−0.329	−0.329

Section Ch. 700
Scale 1:1000



Proposed Levels	−3.000	−3.767	−4.733	−6.000	−6.000	−6.000	−6.000	−6.000	−6.000	−6.000	−6.000	−6.000	−6.000	−6.000	−6.000	−6.000	−6.000	−6.000	−6.000	6.478	6.457	6.435	6.414	6.392	6.371	6.293
Offsets	−140.297	−136.116	−130.453	−122.147	−116.601	−109.205	−103.446	−98.236	−92.563	−87.270	−81.666	−76.308	−70.760	−65.348	−59.894	−54.528	−49.131	0.000	11.356	18.253	25.179	32.077	38.948	45.792	52.608	77.165
Existing Levels	−3.750	−4.111	−4.446	−3.379	−3.699	−4.094	−4.152	−4.112	−3.902	−3.883	−3.534	−3.229	−3.440	−3.527	−3.187	−2.965	−2.679	−1.292	0.867	6.000	6.000	6.000	6.265	6.465	6.448	6.346
Level Difference	0.750	0.344	−0.287	−2.621	−2.301	−1.906	−1.848	−1.888	−2.098	−2.117	−2.466	−2.771	−2.560	−2.473	−2.813	−3.035	−3.321	−4.708	−6.867	0.478	0.457	0.435	0.149	−0.073	−0.077	−0.053

Section Ch. 1000
Scale 1:1000



Existing Levels	0.500	0.562	0.617	0.637	0.641	0.755	0.868	0.948
Proposed Levels	−6.000	−5.686	−4.019	−2.353	−0.686			
Level Difference	−6.500	−6.248	−4.636	−2.990	−1.327			

Section C – C
Scale: Hz 1:1000,Vt 1:1000. Datum: −10.000

Do not scale from this drawing.

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.

RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM NO.

CONSTRUCTION:

DEMOLITION:

FOR INFORMATION RELATING TO USE, CLEANING AND MAINTENANCE SEE THE HEALTH AND SAFETY FILE.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

Notes:

1. Do not scale from this drawing, only written dimensions are to be used.
2. All dimensions in this drawing are in metres, unless noted otherwise.
3. Any discrepancies should be reported to the engineer immediately so clarification can be sought.
4. For clarity this drawing should only be printed and read in colour.
5. All dredging works shall be undertaken in accordance with the following reference standards, regulations, good practice and statutory guidance, including but not limited to:
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   - PIANC Approach Channels: A Guide for Design;
   - Dredging – A Handbook for Engineers, 2nd Edition, by R.N. Bray, A.D. Bates & J.M. Land;
   - Water Framework Directive 2000/60/EC – Setting out rules to halt deterioration in the status of EU water bodies and achieve good status for Europe's rivers, lakes and groundwater
6. The works shall be undertaken in accordance with the conditions of the Marine Licence as obtained from Marine Scotland, by Haventus. The contractor will be advised in writing, at the point the approved license has been obtained and will be furnished with a copy, in order to ensure conformance to the conditions of the Marine License as obtained from Marine Scotland.
7. Where interim side slopes are formed within the navigation channel during the dredging works during movements to the depository site(s), these shall not be excavated so as to from a temporary side slope not greater than 1:4.5 within the area of the channel, and not greater than that of the finalised design slope within the footprint of the Navigation Channel Side Slopes (i.e: 1:6/1.8 – as applicable)
8. Prior to the commencement of works, the Contractor shall submit a comprehensive method statement detailing environmental mitigation measures and monitoring in compliance with environmental regulations.
9. Due to the historical use of the Ardersier Port site, it is considered possible that manmade objects may be encountered during the dredging works. As a result, the contractor is required to undertake the filtering of materials through a sufficiently sized gauze, to collect any manmade objects (metal objects, scrap, etc.). These materials shall be returned to an agreed location on the quayside, for subsequent disposal on land to an approximately licensed facility, by the dredging contractor.
10. Refer to drawing APP2–FHT–DD–CHA–DR–C–009080 for Navigation Channel Layout.

Legend:

Finished Ground Level

Existing Ground Level

Mean High Water Springs

Mean Low Water Springs

Rev.	Date	Description	Drwn.	Chkd.	Appd.

FAIRHURST
Barony House
Stoneyfield Business Park
INVERNESS
IV2 7PA
Tel: 01463 724 544

Client: Haventus

Project Title:
Ardersier Port Redevelopment Phase 2

Drawing Title:
Phase 2 Navigation Channel Offset to MHWS & MLWS Sections

Scale at A1:	Status:	
1:1000	Marine License	
Drawn: GS	Checked: AH	Approved: AKF
Date: 03.07.26	Date: 03.07.26	Date: 03.07.26

Drawing No.: APP2–FHT–DD–CHA–DR–C–009083 Revision: –