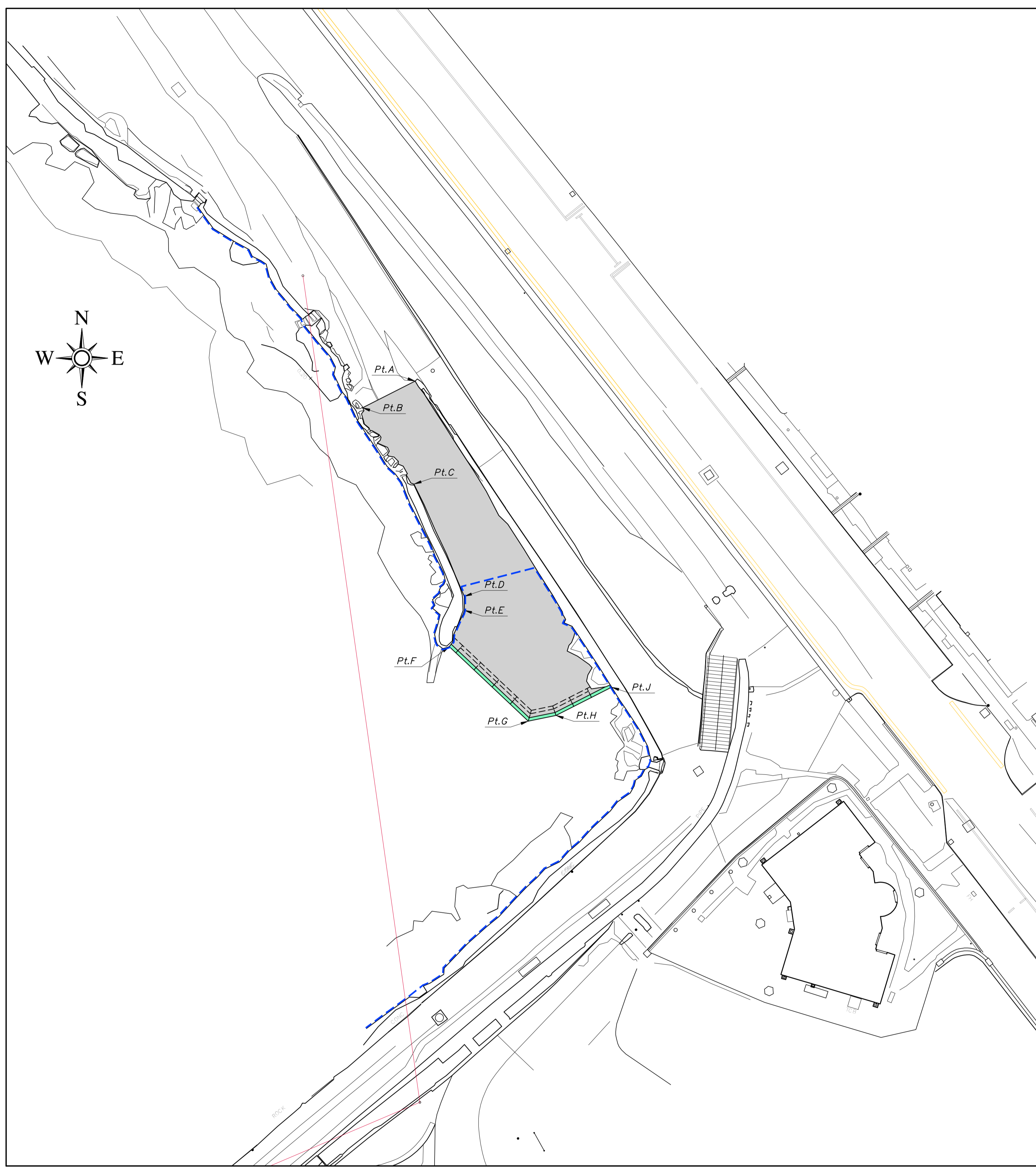
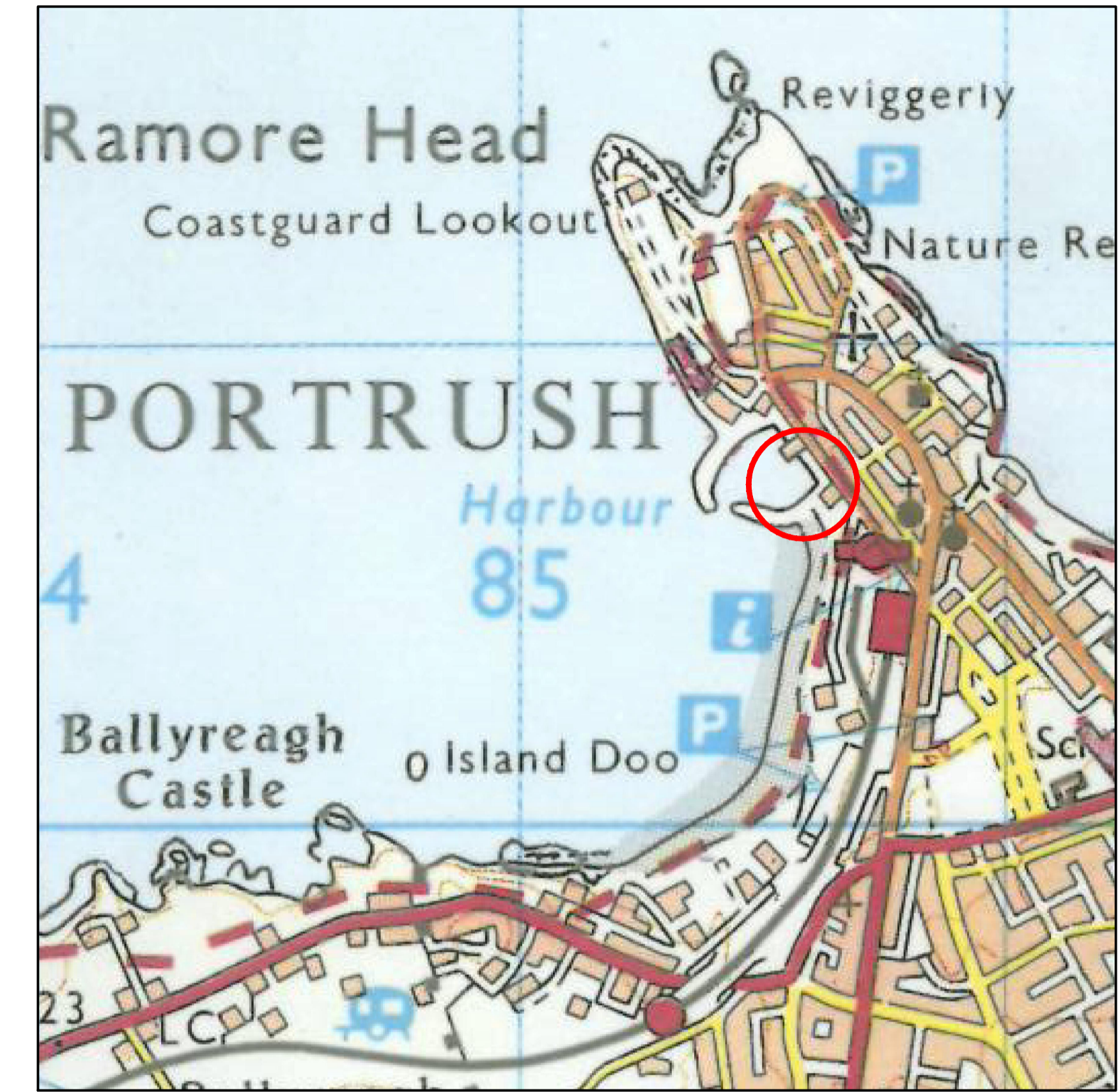


Job Title:		Old Slipway, Portrush						Date of Issue														
Project Code:		221063																				
Drawing/Model No.							Drawing/Model Title	Size	Scale													
Project Code:	Originator	Zone	Level	Type	Discipline	Number				21/04/2023	24/04/2023	02/11/2023										
221063	- DC	- XX	- XX	- MCL	- C	0101	Site Location Plan	A1	1/2500	P01	P01	P01										
221063	- DC	- XX	- XX	- MCL	- C	0102	Topographical Survey	A1	1/200	P01	P01	P01										
221063	- DC	- XX	- XX	- MCL	- C	0103	Existing Slipway Plan and Longitudinal Section	A1	1/100	P01	P01	P01										
221063	- DC	- XX	- XX	- MCL	- C	0201	Proposed Slipway Plan and Longitudinal Section	A1	1/100	P01	P01	P02										
221063	- DC	- XX	- XX	- MCL	- C	0202	Proposed Slipway Cross Sections and Construction Details	A1	1/100	P01	P01	OMITTED										
221063	- DC	- XX	- XX	- MCL	- C	0203	Proposed Slipway Toe Beam Construction Details	A1	1/50	P01	P01	P02										
221063	- DC	- XX	- XX	- MCL	- C	0301	Masonry Wall Repairs	A1	1/100	P01	P01	P02										
Purpose of Issue																						
Preliminary											S2	S2	S2									
Planning																						
Tender																						
Contract																						
Construction																						
As Built																						
Record																						
For Information											X	X	X									
For Comment																						
For Approval																						
Distribution to:																						
Role		Organisation, Contact						Number of Copies Issued														
Client		Causeway Coast & Glens Borough Council																				
Marine Construction License		Department of Agricultural, Environment and Rural Affairs							X	X												
Environmental Consultant		Marenco						X														
Structural Engineer																						
CDMC																						
Landscape Architect																						
Contractor																						
Media/File Formats																						
PDF										X	X	X										
DWG / ZIP																						
BIM Files - RVT / DWG / IFC / IMX / LandXML / FBX etc																						
FTP																						
CD/DVD																						
E-Mail																						
Hard Copy																						
Issued By:										PDB	JW	PDB										

Rev.	Date	By	Check	Details	Appr.
P01	21/04/23	PDB	RH	First Issue	CD



Site Plan
1:200



Site Location Plan
1:10,000

Extent of Permanent Works			
Point	Easting	Northing	Latitude Longitude
Pt.A	285622.104	440749.857	55° 12' 23.78"N -6° 39' 20.55"W
Pt.B	285617.882	440747.712	55° 12' 23.72"N -6° 39' 20.84"W
Pt.C	285622.015	440741.583	55° 12' 23.52"N -6° 39' 20.56"W
Pt.D	285626.059	440732.566	55° 12' 23.23"N -6° 39' 20.35"W
Pt.E	285626.067	440731.454	55° 12' 23.20"N -6° 39' 20.35"W
Pt.F	285624.858	440728.521	55° 12' 23.10"N -6° 39' 20.46"W
Pt.G	285631.193	440722.541	55° 12' 22.90"N -6° 39' 20.07"W
Pt.H	285633.427	440723.003	55° 12' 22.94"N -6° 39' 19.96"W
Pt.J	285637.895	440725.273	55° 12' 12.23"N -6° 39' 19.73"W

Legend
 M.H.W.M from Topographical Survey (+0.86m OD)

- Notes:**
- All levels in metres to Ordnance Datum (OD) unless otherwise noted.
 - All dimensions in mm unless noted otherwise.
 - Ordnance datum (OD) at Portrush Harbour is 1.24m above Chart Datum (CD).

Tide Levels OD:

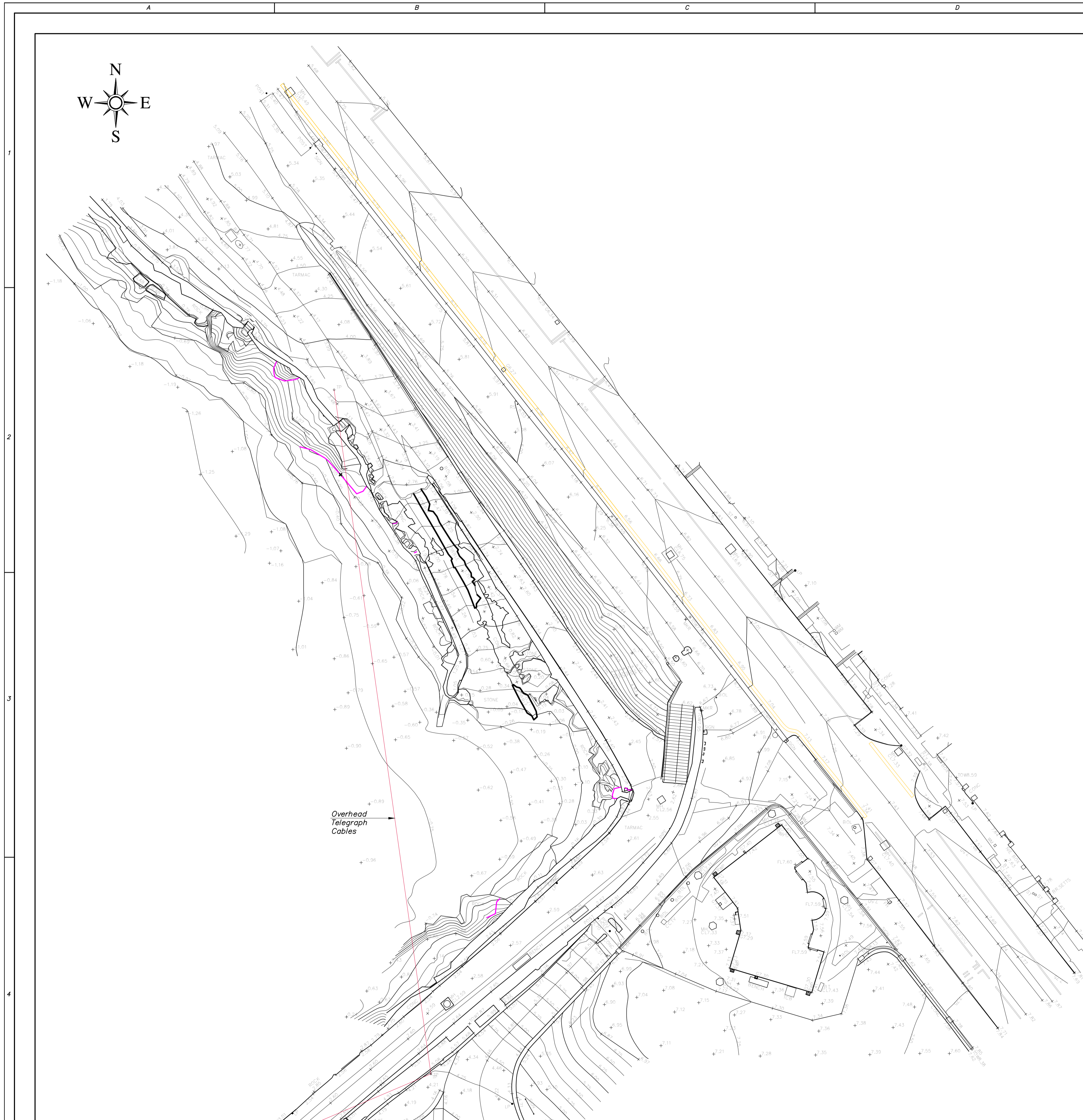
MHWS	= +0.86m OD
MLWS	= -0.74m OD

PRELIMINARY DRAWING

Project Title:
Old Slipway
Portrush Harbour

Drawing Title:
Site Plan and
Site Location Plan

Client/Architect:	Causeway Coast & Glens Borough Council							
Drawn by:	PDB	Date:	March 2023					
Checked by:	JW	Scales:	1:100					
Approved by:	CD	Sheet Size:	A1					
Doran Project No.	221063	Status:	S2					
Project Number:	221063	Orig.	Func.	Spatial.	Form.	Disc.	Number.	Revision:
	DCL	XX	XX	MCL	C	0201	P01	



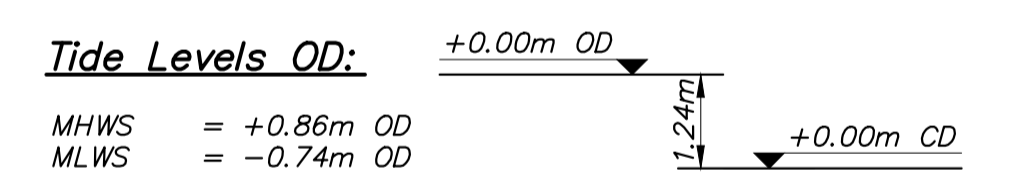
Rev.	Date	By	Check	Details	Appr.
P01	21/04/23	PDB	RH	First Issue	CD

LEGEND :

AIR VALVE	AV+
ARMSTRONG JUNCTION	AJ
ASSUMED ROUTE	(A)
BED LEVEL	BED ⁺
BOLLARDS	BD+
BORE HOLE	BH+
BT COVER	BT
BT JUNCTION BOX	BT BOX
BUS STOP	BS
BUSH	○
CABLE TV IC	CATV ○
CATTLE GRID	GRID
COVER LEVEL	CL
CRASH BARRIER	CB
EARTHING ROD	ER+
ELECTRICAL CABLE PIT	ECP ○
ELECTRICITY POLE	EP
ESAT COVER	ESAT □
FIRE HYDRANT	FH+
FLOOR LEVEL	FL
FROM RECORDS	(R)
GAS VALVE	GAS ○ GV+
GATE POST	GATE POST+
GULLY	G
HEDGE	
INSPECTION COVER	IC ○
INVERT LEVEL	IL
KERB OUTLET	KO+
LAMP POST	LP
MANHOLE	MH
MARKER POST	MKR+
MILEPOST	MP+
NAMEPLATE	NP
NIE COVER	NIE ○
NIE JUNCTION BOX	NIE BOX □
NO FURTHER INFORMATION	NFI
O.S. BENCH MARK	PBM
POST	POST
POST BOX	POST BOX+
RAIL SIGNAL POST	SP+
REFLECTOR POST	RP
ROADSIGN	RS · RS
SAPLING	⊗
SEPTIC TANK	SEPTIC □
SIGN POST	SIGN · SIGN
SLUICE VALVE	SV
STOPCOCK	ST
SERVICE BOX (UNKNOWN)	BOX □
SOFFIT LEVEL	SL
SURVEY CONTROL STATION	△
TELECOMS POLE	TP
TOP OF WALL LEVEL	TOW ⁺
TRAFFIC SIGNAL	TL
TRAFFIC COVER	TLIC □
TREE	⊙
TRIAL PIT	TPIT+
TROUGH	TR
TELEPHONE BOX	TB
UNABLE TO LIFT	UTL
VENT PIPE	VP
WATER LEVEL	WL+
WATER METER	WM+
WALL & FENCE TYPES	
BLOCK WALL	BLW
BRICK WALL	BRW
STONE WALL	STW
BARBED WIRE	B/W
CHAINLINK	CLK
CORRUGATED IRON	C/I
CHESTNUT PALING	C/P
IRON RAILINGS	IR
POST & RAIL	P/R
POST & WIRE	P/W
POST & WIRE MESH	P/WM

Notes:

1. All levels in metres to Ordnance Datum (OD) unless otherwise noted.
2. All dimensions in mm unless noted otherwise.
3. Ordnance datum (OD) at Portrush Harbour is 1.24m above Chart Datum (CD).
4. Topographical survey undertaken by Landmark Geomatics in November 2022.



PRELIMINARY DRAWING

Project Title:
Old Slipway
Portrush Harbour

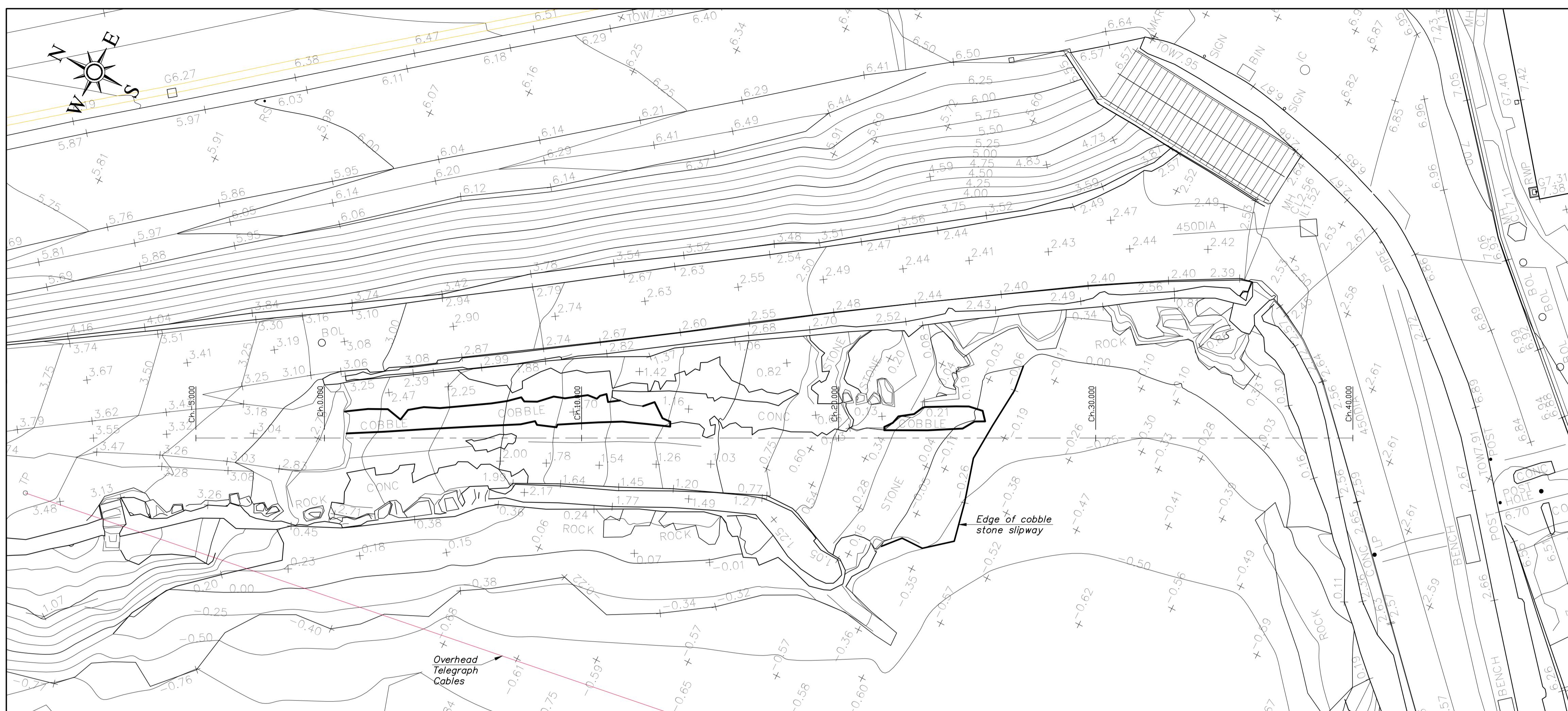
Drawing Title:
Topographical Survey

Client/Architect:	Causeway Coast & Glens Borough Council						
Drawn by:	PDB	Date:	March 2023				
Checked by:	JW	Scales:	1: 200				
Approved by:	CD	Sheet Size:	A1				
Doran Project No.	221063	Status:	S2				
Project Number:	Orig.	Func.	Spatial.	Form.	Disc.	Number.	Revision:
221063	DCL	XX	XX	MCL	C	0101	P01

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 W www.doran.co.uk

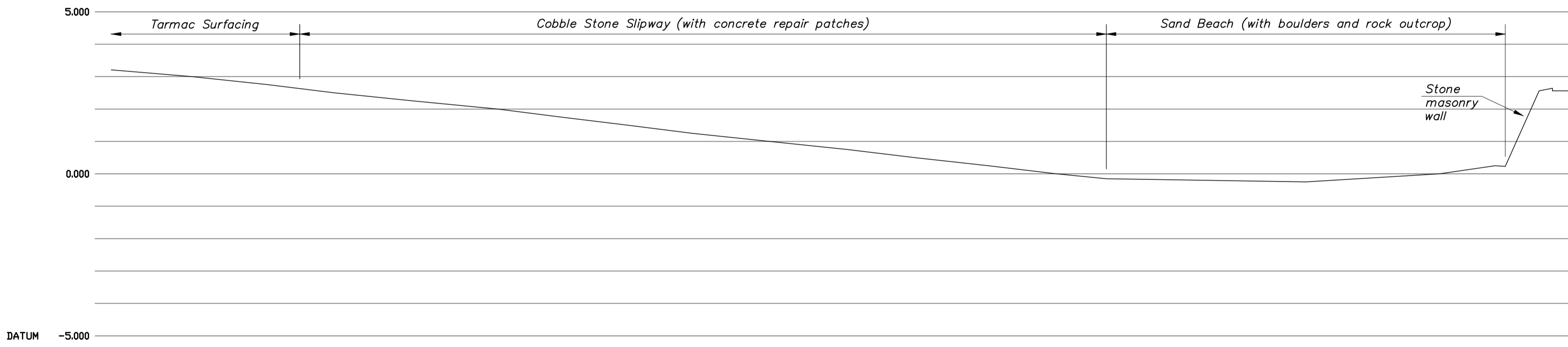
Rev.	Date	By	Check	Details	Appr.
P01	21/04/23	PDB	RH	First Issue	CD



Existing Slipway Plan
1:100

- Notes:**
- All levels in metres to Ordnance Datum (OD) unless otherwise noted.
 - All dimensions in mm unless noted otherwise.
 - Ordnance datum (OD) at Portrush Harbour is 1.24m above Chart Datum (CD).
 - Topographical survey undertaken by Landmark Geomatics in November 2022.

Tide Levels OD: +0.00m OD
 MHWS = +0.86m OD
 MLWS = -0.74m OD



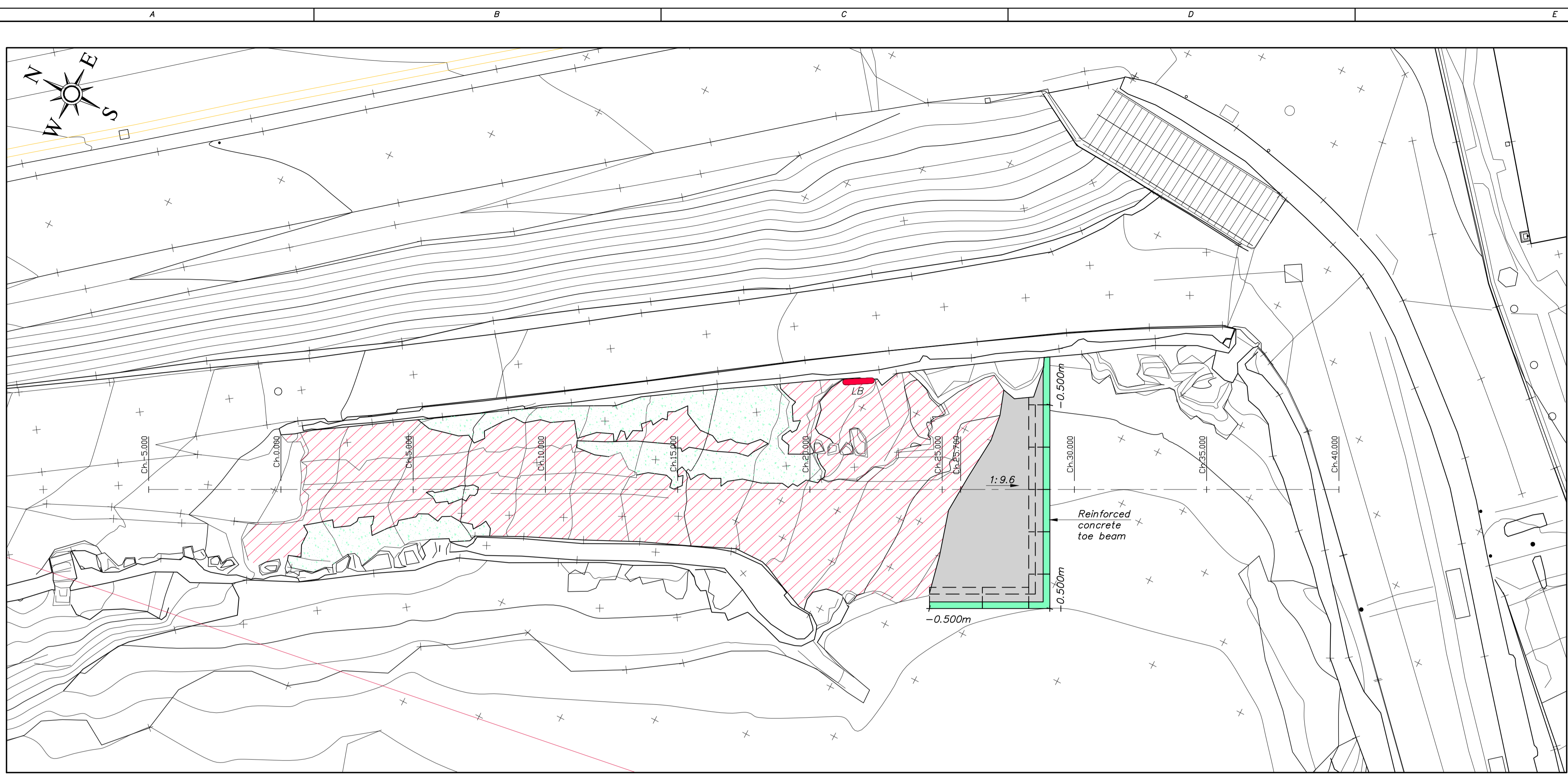
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EXISTING GROUND LEVEL	3.209	2.730	2.183	1.616	1.024	0.477	-0.020	-0.220	-0.560	2.560

Existing Longitudinal Section
Along Slipway Centre Line
1:100

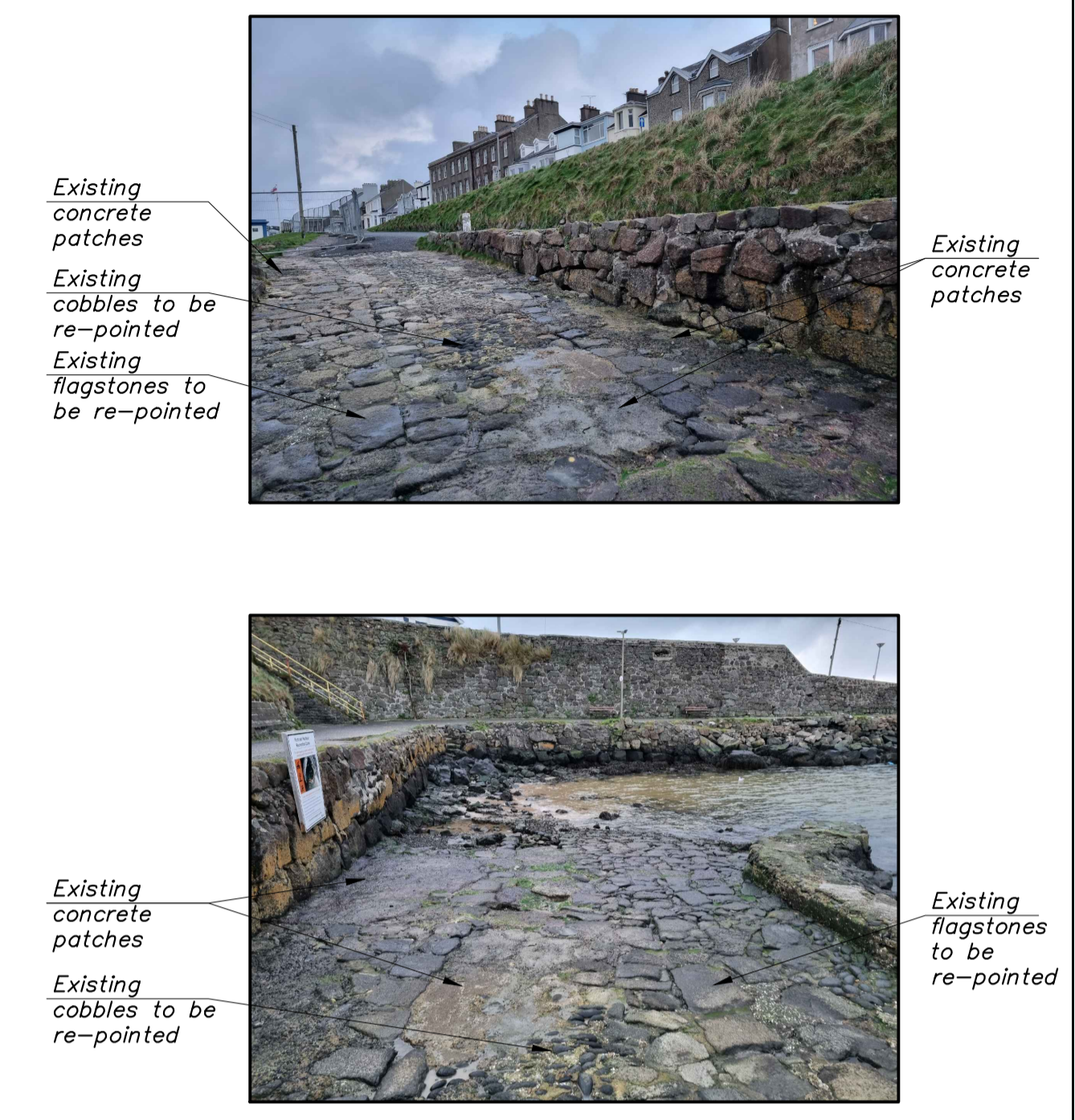
PRELIMINARY DRAWING
 Project Title:
 Old Slipway
 Portrush Harbour
 Drawing Title:
 Existing Slipway Plan and Longitudinal Section

Client/Architect:	Causeway Coast & Glens Borough Council				
Drawn by:	PDB	Date:	March 2023		
Checked by:	JW	Scales:	1:100		
Approved by:	CD	Sheet Size:	A1		
Doran Project No.	221063	Status:	S2		
Project Number:	221063	Orig.	DCL	XX	XX
		Form.	MCL	C	0103
		Disc.			P01

Rev.	Date	By	Check	Details	Appr.
PO1	21/04/23	PDB	RH	First Issue	CD
PO2	02/11/23	PDB	RH	Extent of works revised	CD



Proposed Slipway Plan
1:100



- Legend:**
- Existing concrete patch to be broken out and replaced with Basalt flagstones/cobbles to match existing
 - Existing flagstone/cobbles to be re-pointed. Loose stones to be lifted, cleaned and re-bedded.
 - Proposed slipway extension with Basalt cobbles to match existing (25m²)
 - Proposed 600mm (24") life buoy c/w 30m throw line and fixing cabinet.

- Notes:**
- All levels in metres to Ordnance Datum (OD) unless otherwise noted.
 - All dimensions in mm unless noted otherwise.
 - Ordnance datum (OD) at Portrush Harbour is 1.24m above Chart Datum (CD).

Tide Levels OD:

MHWS	= +0.86m OD
MLWS	= -0.74m OD

Slipway Repair and Re-Pointing Notes:

- Existing concrete patches shall be broken out and replaced with basalt flagstones / cobbles to match existing.
- Existing loose flagstones shall be lifted and re-bedded.
- All areas of the slipway identified on the drawing shall be re-pointed.
- Bedding Mortar shall be Steintec Tuffset G or equal approved.
- Jointing Mortar shall be Steintec Tuffset G or equal approved mixed in accordance with the Manufacturer's Instructions.

PRELIMINARY DRAWING

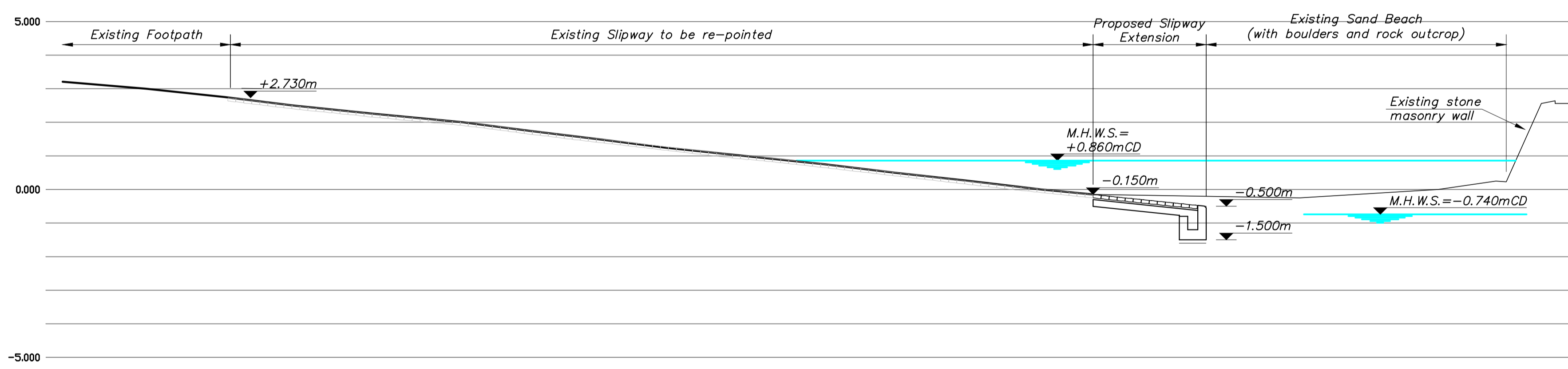
Project Title:
Old Slipway
Portrush Harbour

Drawing Title:
Proposed Slipway Plan and Longitudinal Section

Client/Architect:	Causeway Coast & Glens Borough Council							
Drawn by:	PDB	Date:	March 2023					
Checked by:	JW	Scales:	1:100					
Approved by:	CD	Sheet Size:	A1					
Doran Project No.	221063	Status:	S2					
Project Number:	221063	Orig.	Func.	Spatial.	Form.	Disc.	Number.	Revision:
	DCL	XX	XX	MCL	C	0201	PO2	

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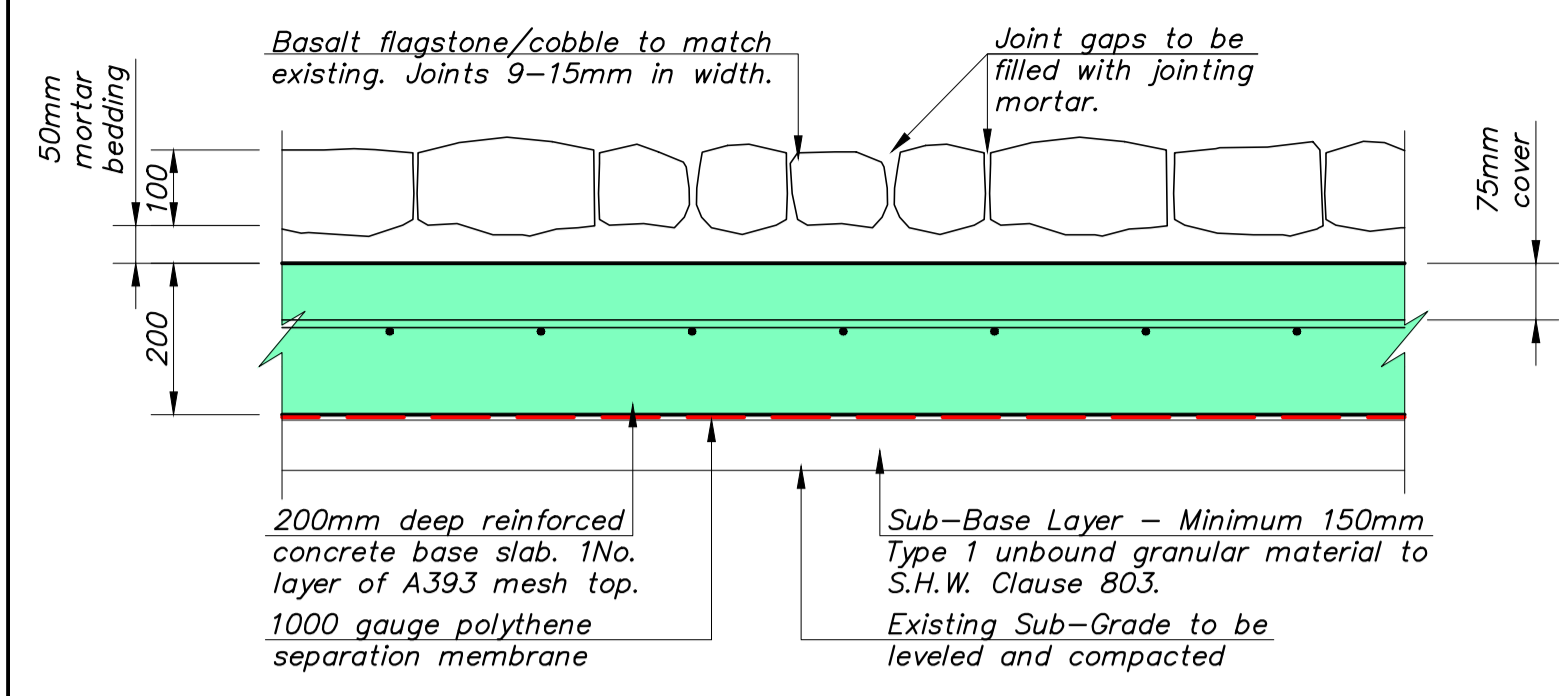
Nonwood House
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Belfast BT2 7BE
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F 028 90235501
E mail@doran.co.uk
W www.doran.co.uk



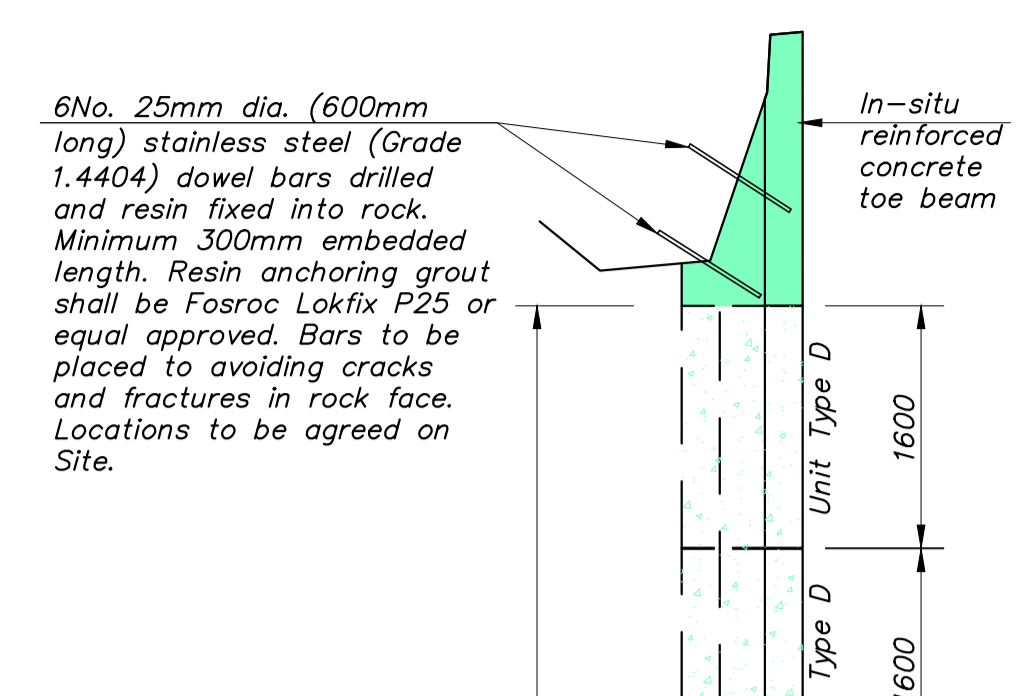
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EXISTING GROUND LEVEL																								
PROPOSED LEVEL																								

Proposed Longitudinal Section
Along Slipway Centre Line
1:100

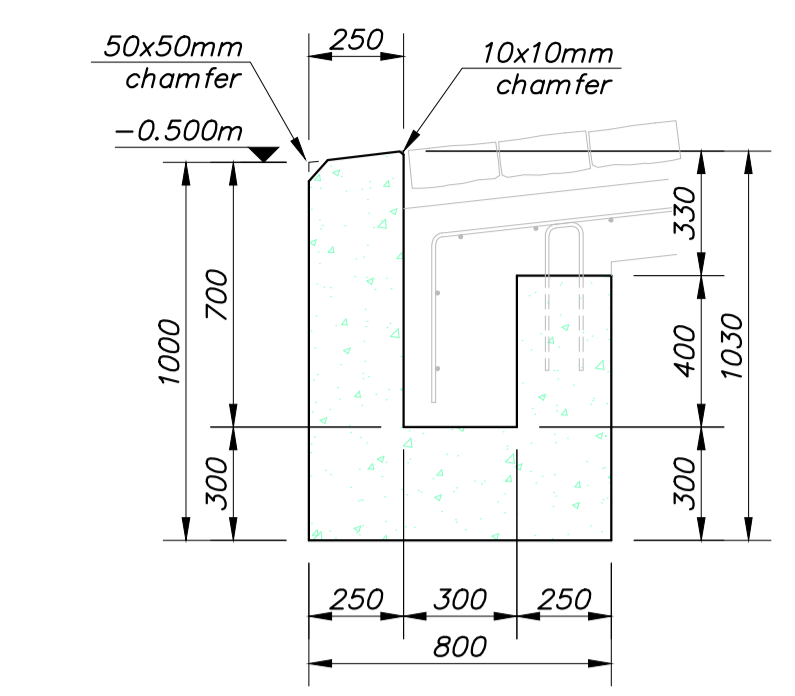
Rev.	Date	By	Check	Details	Appr.
P01	20/04/23	PDB	RH	First Issue	CD
P02	02/11/23	PDB	RH	Extent of works revised	CD



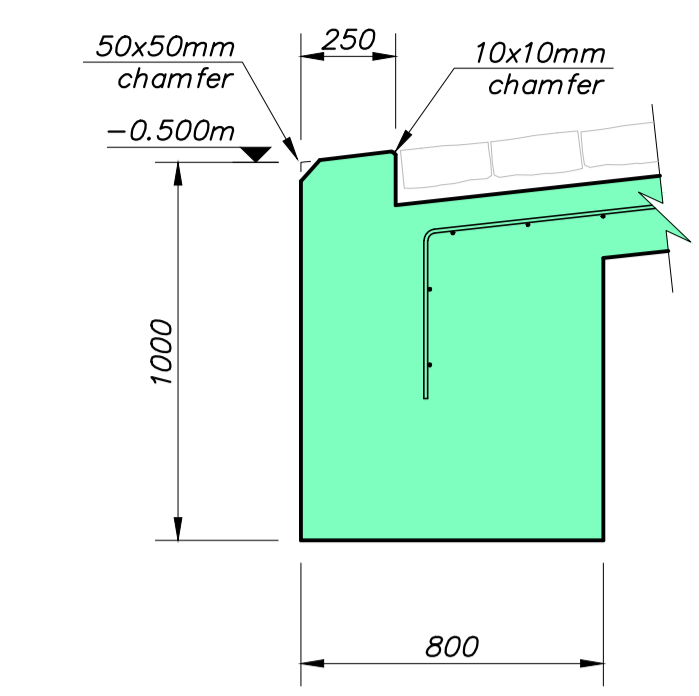
Typical Slipway Detail
1:10



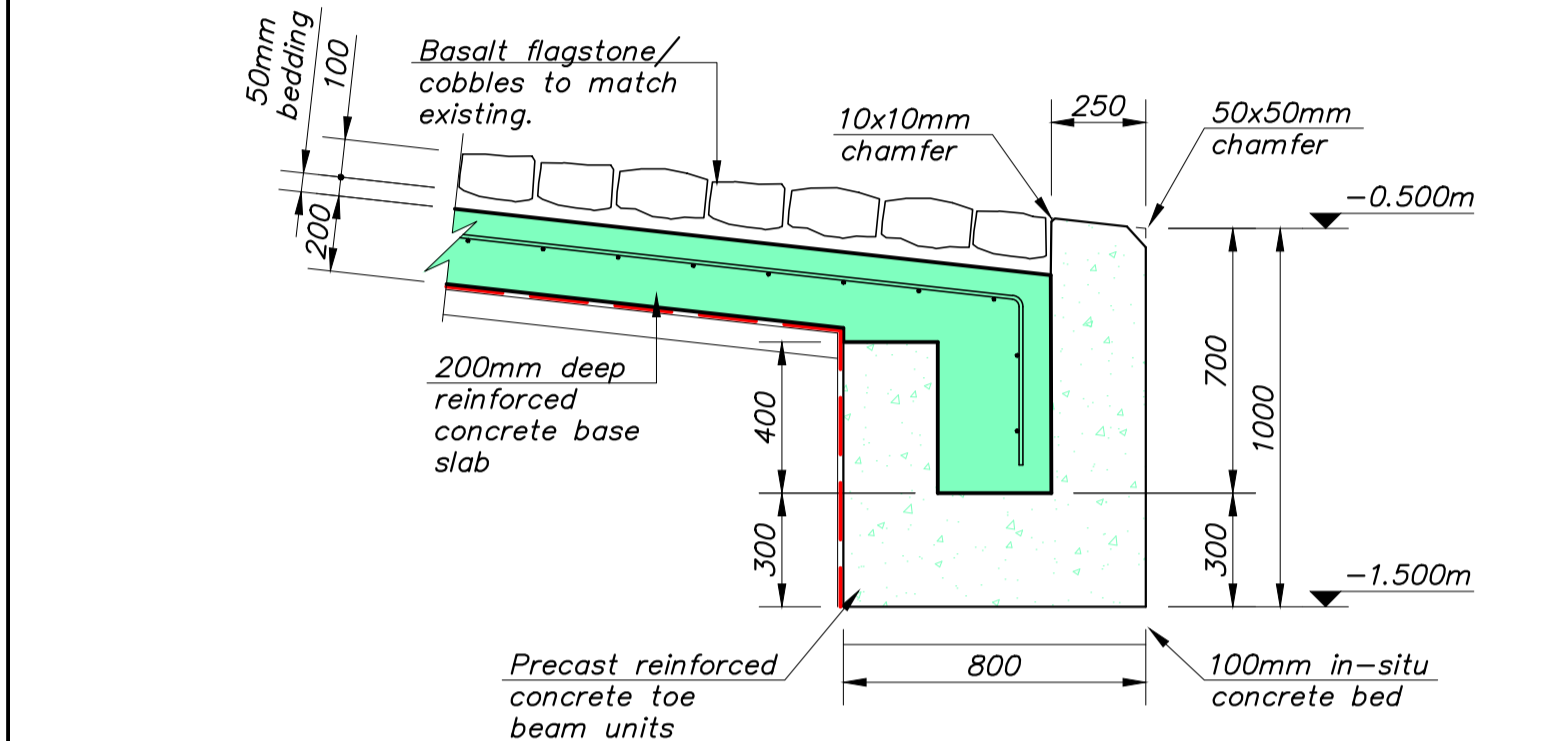
Toe Beam Key Plan
1:50



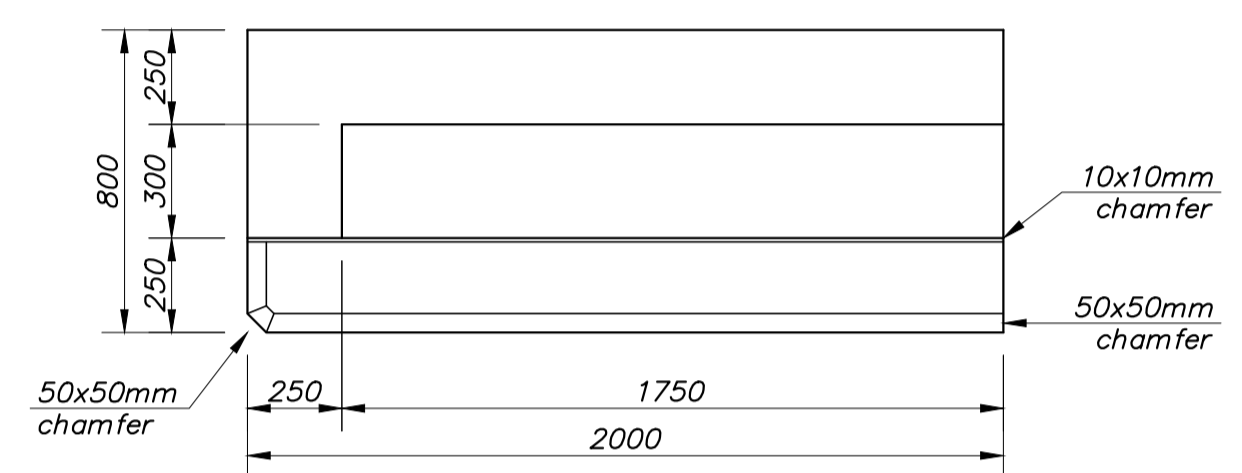
Typical Section at Precast Reinforced concrete Toe Beam
1:20



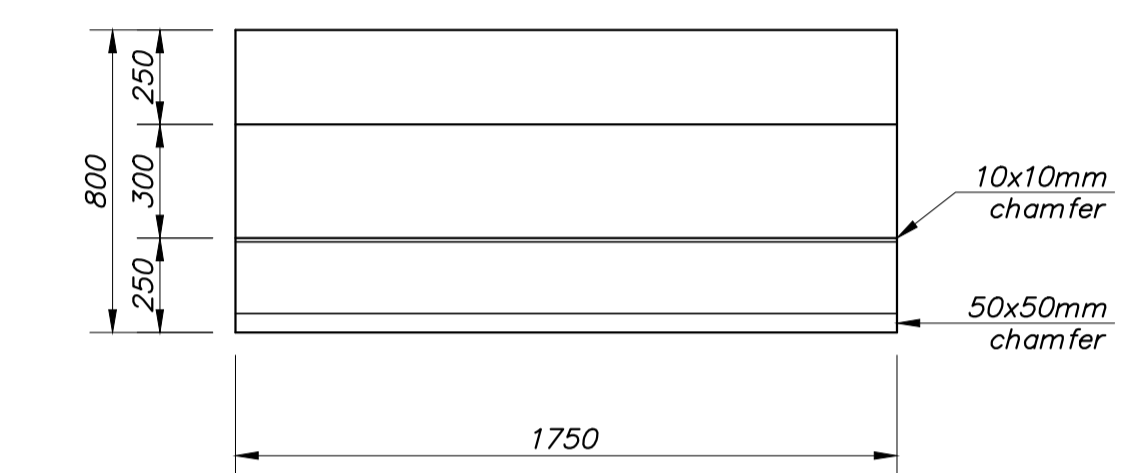
Typical Section at In-Situ Reinforced concrete Toe Beam
1:20



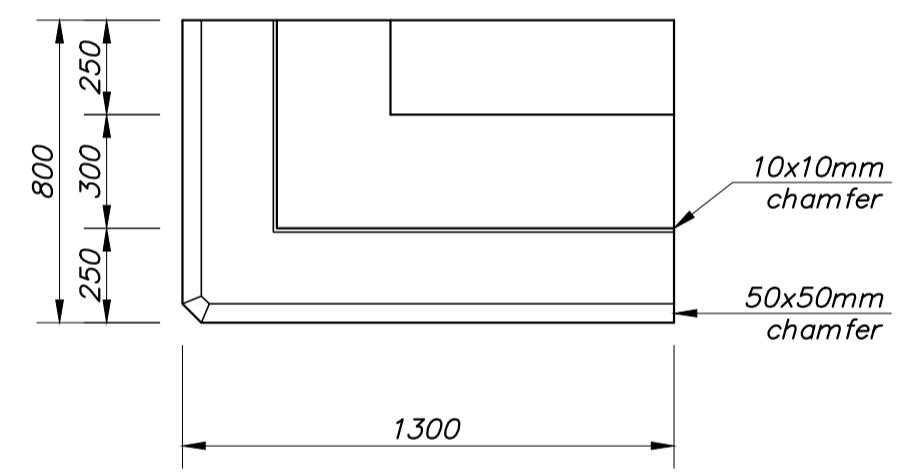
Typical Toe Beam Detail
1:20



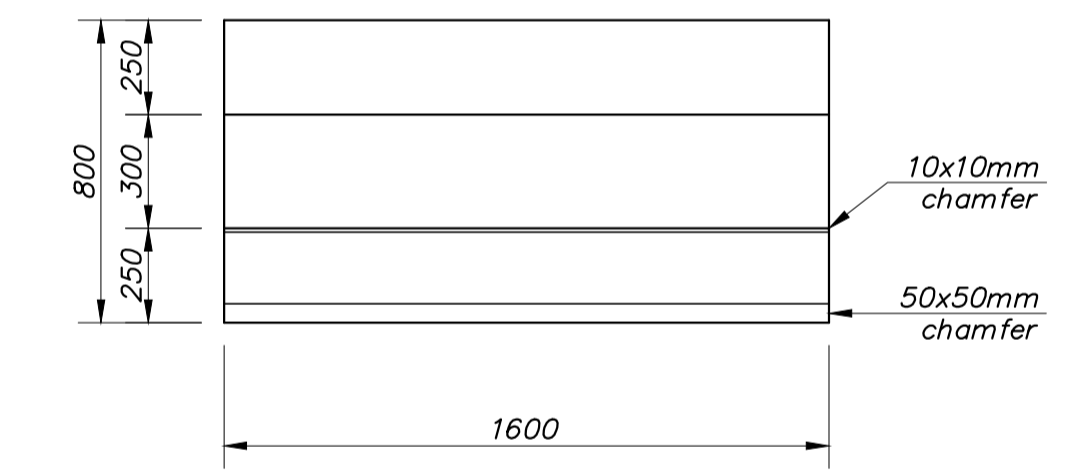
Unit Type A
(1No.)
1:20



Unit Type B
(1No.)
1:20



Unit Type C
(1No.)
1:20



Unit Type D
(4No.)
1:20

Concrete Notes:

- All structural concrete shall be grade C40/50 unless noted otherwise.
- Concrete mix design shall be in accordance with the Specification.
- Cover to Reinforcement shall be 75mm unless noted otherwise.
- Lifting hooks shall be provided at locations identified by the supplier.
- The surfaces of precast elements which will subsequently receive in situ concrete shall be cast and finished to give a finish classified as "Rough" in accordance with EN1992-1-1:2004 Cl.6.2.5.

Notes:

- All levels in metres to Ordnance Datum (OD) unless otherwise noted.
- All dimensions in mm unless noted otherwise.
- Ordnance datum (OD) at Portrush Harbour is 1.24m above Chart Datum (CD).

Tide Levels OD:



PRELIMINARY DRAWING

Project Title:
Old Slipway
Portrush Harbour

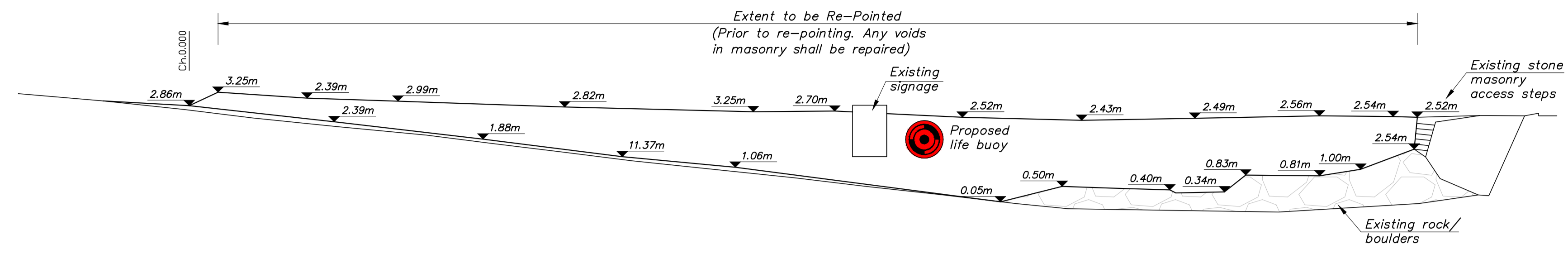
Drawing Title:
Proposed Slipway Toe Beam
Constuction Details

Client/Architect:	Causeway Coast & Glens Borough Council							
Drawn by:	PDB	Date:	April 2023					
Checked by:	JW	Scales:	1:50					
Approved by:	CD	Sheet Size:	A1					
Doran Project No.	221063	Status:	S2					
Project Number:	221063	Orig.	Func.	Spatial.	Form.	Disc.	Number.	Revision:
	DCL	XX	XX	MCL	C	0203	P02	

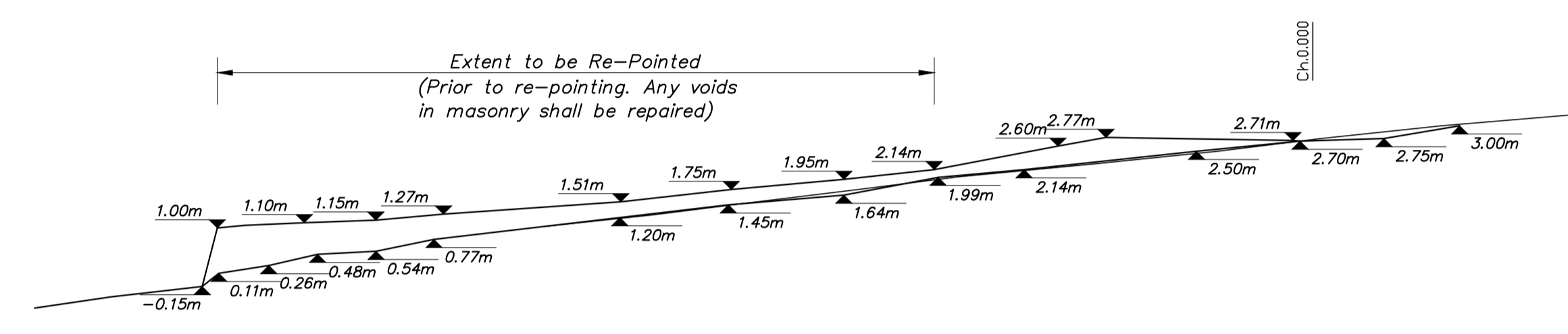
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Belfast BT2 7BE
T 028 90333443
F 028 90235501
E mail@doran.co.uk
W www.doran.co.uk

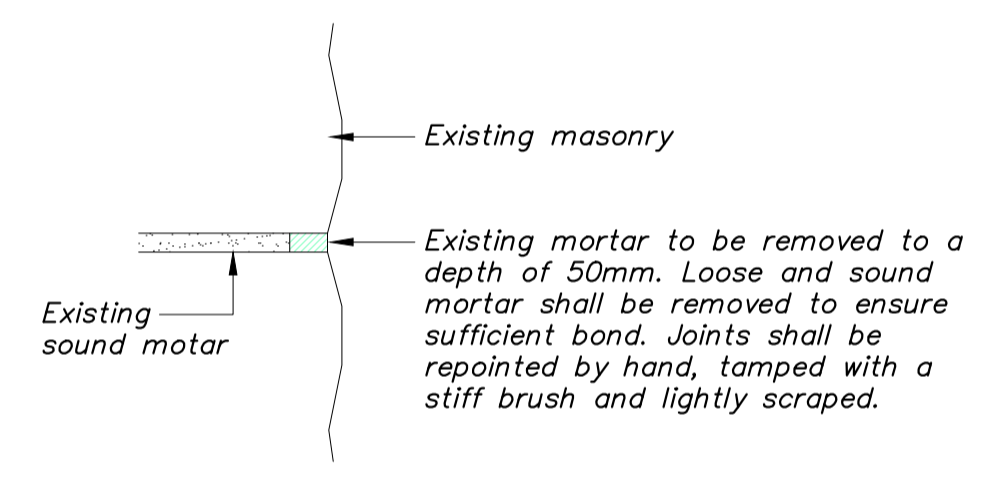
Rev.	Date	By	Check	Details	Appr.
P01	20/04/23	PDB	RH	First Issue	CD
P02	02/11/23	PDB	RH	Proposed life buoy indicated	CD



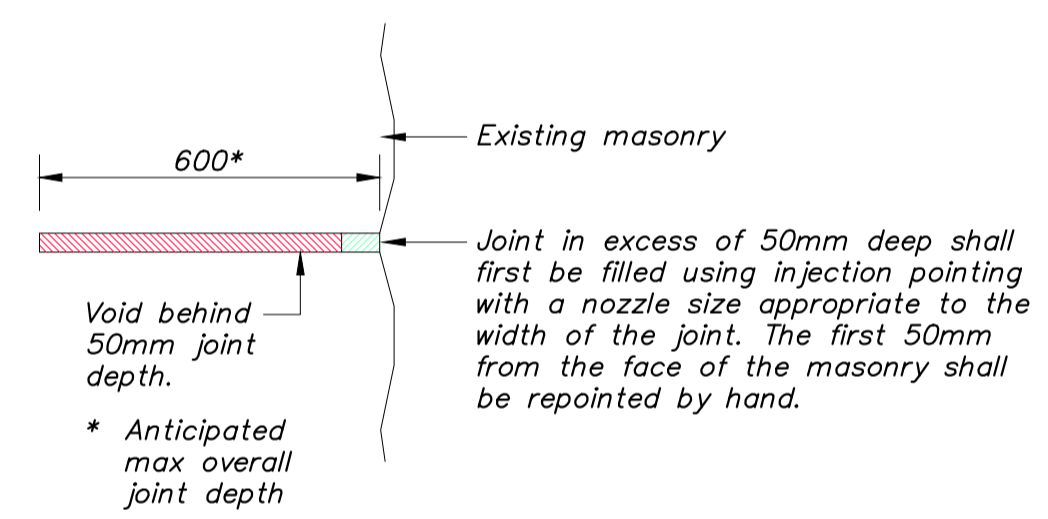
Elevation of Landward Slipway Wall
(View from Slipway)
1:100



Elevation of Seaward Slipway Wall
(View from Slipway)
1:100



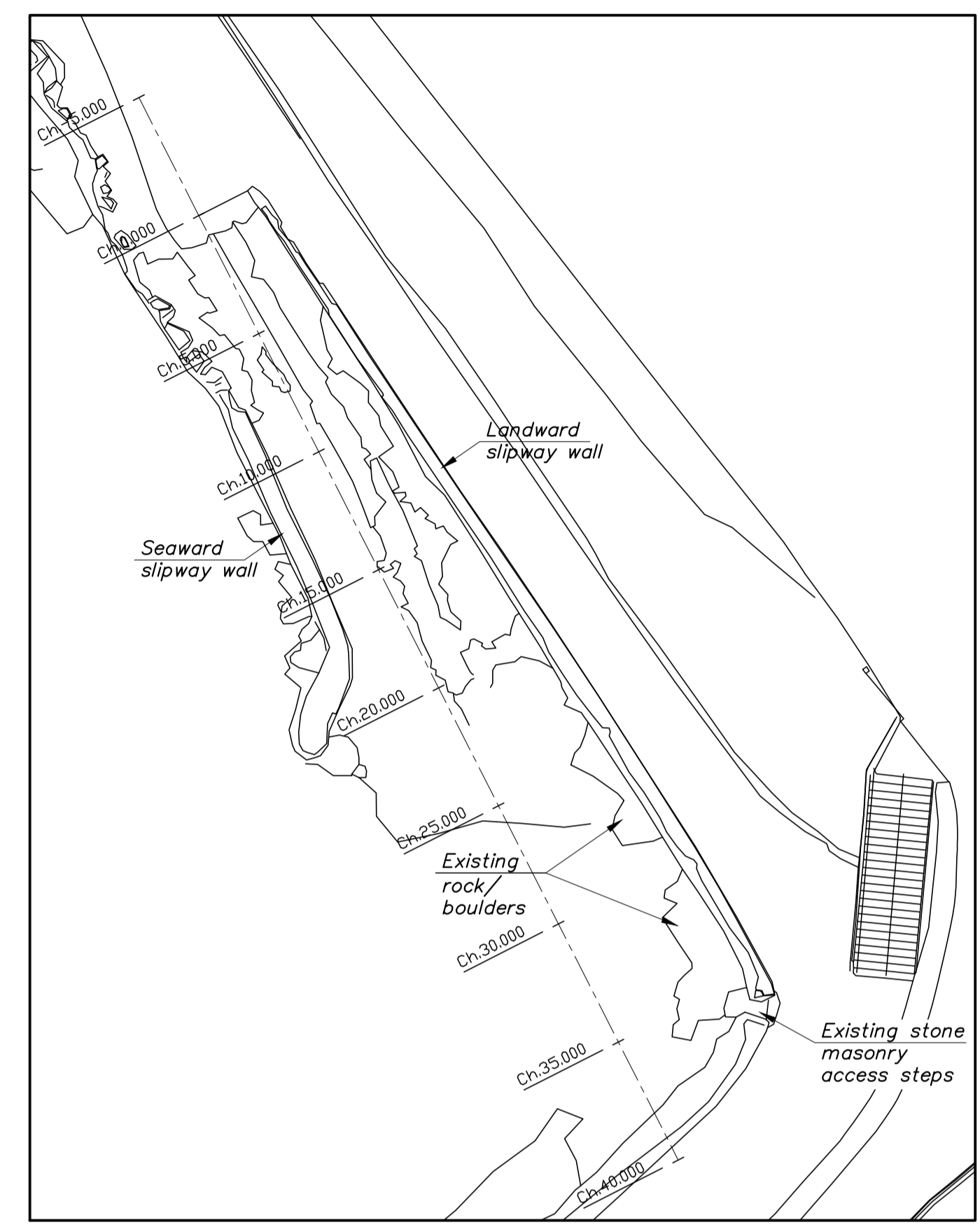
Joints Up to 50mm in Depth
Typical Detail
1:10



Joints Greater Than 50mm in Depth
Typical Detail
1:10

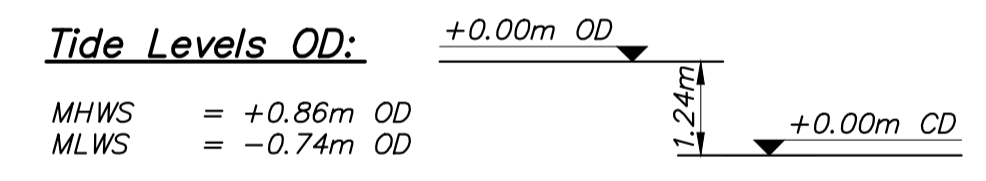
- Re-Pointing Notes**
- Masonry shall be cleaned and marine growth shall be removed prior to re-pointing. All re-pointing shall be carried out using lime mortar.
 - For areas above MHWS not subjected to wetting during curing, lime mortar shall comprise NHL 5.0 Lime binder with a 2:5 Lime:Sand mix ratio.
 - For areas below MHWS subject to wetting during curing, lime mortar shall comprise NHL 5.0 with 10% addition of Prompt natural hydraulic binder.
 - Sand used for lime mortar shall conform to BS EN 13139.

- Masonry Repair Notes**
- Voids shall be cleaned out and all marine growth and loose stone/pebbles removed.
 - Old embedded timbers shall be removed prior to repairs.
 - Voids shall be filled with concrete and finished with stone facing to match existing masonry.
 - Concrete shall be Grade C40/50 with 0.45 maximum water cement ratio and minimum 360kg/m³ cement content.



Key Plan
1:200

- Tide Level Notes:**
- All levels in metres to Ordnance Datum (OD) unless otherwise noted.
 - All dimensions in mm unless noted otherwise.
 - Ordnance datum (OD) at Portrush Harbour is 1.24m above Chart Datum (CD).

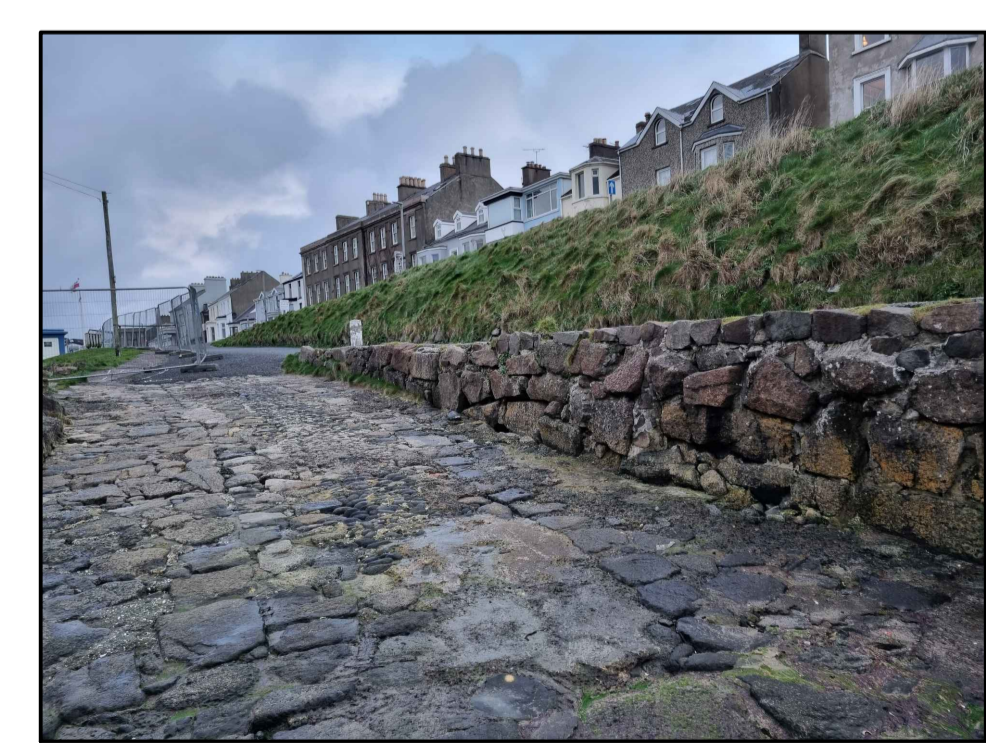


PRELIMINARY DRAWING

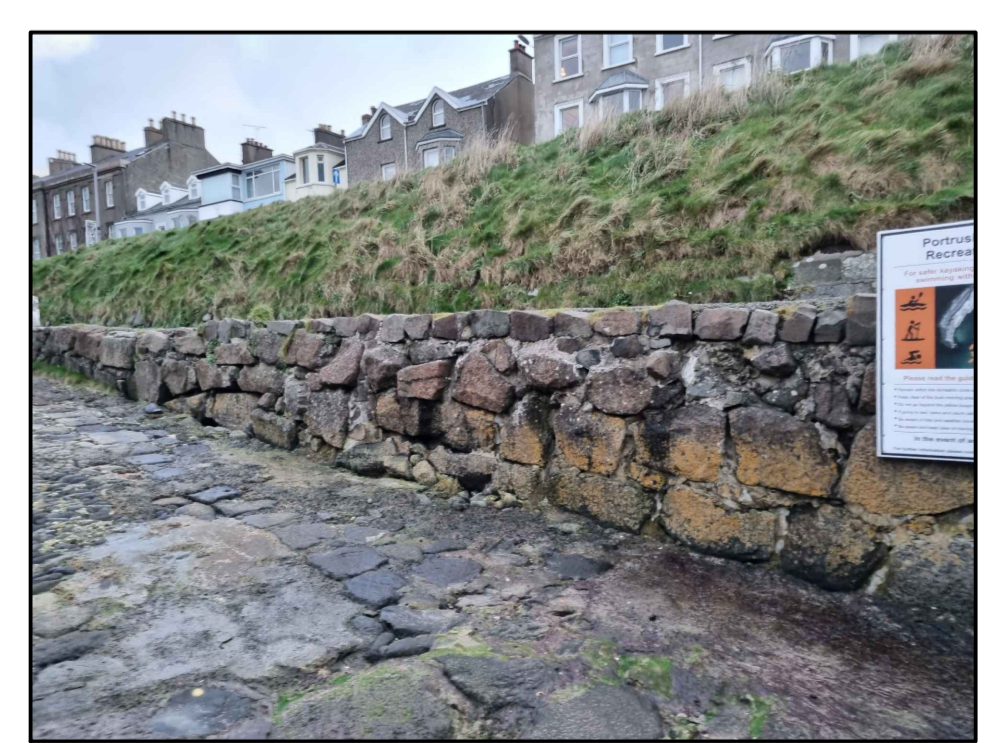
Project Title:
Old Slipway
Portrush Harbour

Drawing Title:
Masonry Wall Repairs

Client/Architect:	Causeway Coast & Glens Borough Council
Drawn by:	PDB Date: March 2023
Checked by:	JW Scales: 1:100
Approved by:	CD Sheet Size: A1
Doran Project No.	221063 Status: S2
Project Number:	Orig. Funct. Spatial. Form. Disc. Number. Revision:
221063	DCL XX XX MCL C 0301 P02



Photograph 1



Photograph 2



Photograph 3



Photograph 4