

Safety, Health & Environmental Information

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

SC#

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information which are referenced to the Designers' Hazard Elimination and Management Record referenced CR-MMD-00-00-RP-Z-0007:

Unless noted otherwise, the hazards/risks below generally apply along the length of the coastal structures shown on the 7000 series drawings.

Ref: Hazard/ risk summary

Construction Stage

SC07

Geometry of existing structures different to existing as-built information or topographical information, or unknown if below ground, which may affect the design and delay works on site.

SC11

Excavation collapse resulting in injury to operators and/or damage to plant.

SC12

UXOs or other buried obstructions are encountered resulting in death and injury.

SC14

Damage to or clashes with existing service infrastructure particularly during excavation and sheet piling works and particularly to drainage assets extending seaward from the existing sea wall. Refer to Existing Structures Technical Note CR-MMD-00-00-TN-SC-7027.

SC17

Risk of undermining existing structures, or damage to existing structures.

SC18

Risk of existing seawall instability or collapse due to plant loading on adjacent promenade during construction.

Use/Operation Stage

SC01

Proposed steps become inaccessible or difficult to access from the beach as a result of beach levels dropping below bottom landing levels, resulting in injury as pedestrians try to access or egress.

SC02

Injury through falling due to marine growth on access steps due to marine growth and sand.

SC30

Differential vertical movement between adjacent precast stepped revetment units occurs due to wave action, leaving a trip hazard between units, resulting in injury to pedestrians.

Notes

1. This drawing is intended to be used as the basis for the target cost development for the Central Rhyl Coastal Defences Scheme, and it should not be used for any other purpose. It represents the proposed coastal structures.
2. This drawing shall be read in conjunction with all discipline information. Any discrepancies shall be referred to Mott MacDonald before proceeding.
3. Unless noted otherwise, all dimensions are in millimetres, all levels in metres above ordnance datum (AOD). Do not scale from drawing, if in doubt ask Mott MacDonald.
4. Mott MacDonald has followed accepted procedure in providing the services but given the residual risk associated with any prediction and the variability which can be experienced in flood conditions, Mott MacDonald takes no liability for and gives no warranty against actual flooding of any property (clients or third party) or the consequences of flooding in relation to the performance of the service.
5. Existing street furniture, guardrails, buildings, features and outfall information are taken from the topographical survey obtained in 2020.
6. Drawings do not show extent and location of services. See utility plans / statutory undertakers plans for service information. Contractor to undertake pre-construction survey to determine full extent of services present in area.
7. Existing structures are shown indicatively based on available information. Exact toe level, number of steps and depth of foundations of existing structure may vary on site.
8. Tide levels are extracted from Welsh Government: Adapting to Climate Change Guidance, 2017.
9. For reinforcement drawings refer to 7800 drawings series.
10. During construction, a maximum surcharge of 10kPa shall be applied on the seaward side of the pile. Level differences between seaward and landward sides of pile shall not exceed 1.7m, with the seaward level maximum at the top of the pile. This shall be adhered to until Pour 1 is cured.

Do not use for construction

Key to symbols	
	Existing structure
	In-situ concrete
	New precast concrete step panels
	Revetment fill
Reference drawings	
CR-MMD-00-ZZ-DR-SC-7201 Revetment Details Sheet 1	
CR-MMD-00-ZZ-DR-SC-7202 Revetment Details Sheet 2	
CR-MMD-00-ZZ-DR-SC-7203 Mass Concrete Details	

Rev	Date	Drawn	Description	Ch'k'd	App'd
P04	19.12.22	MS	Re-issued for review & comment	NC	ZH
P03	13.12.22	MS	Issued for review & comment	NC	ZH
C01	29.06.22	CB	For Target Cost Development	NC	ZH
P02	01.04.22	RDk	Issued for stage approval	NC	ZH
P01	19.11.21	RDk	Issued for review & comment	NC	ZH

Status Stamp

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Client

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sir ddinbych

denbighshire

County Council

Cyngor

Title
Central Rhyl Coastal Defences
COASTAL STRUCTURES
Stepped Revetment Sections

Sheet 1 of 2

Designed	P.Kacperek	PK	Eng check	A.Douglas	AD		
Drawn	R.Kettle	RDk	Coordination	N.Clarke	NC		
Dwg check	N.Clarke	NC	Approved	Z.Hutchison	ZH		
MMD Project Number		Scale at A1		Security			
100420823		As indicated		STD			
Suitability Description					Suit. Code		
Suitable for Review and Comment					S3		
Drawing Number					Revision		
CR-MMD-00-ZZ-DR-SC-7101					P04		

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