

Zero Code

LOOKING OUT FOR ME, YOU AND EVERYONE

To report a Close Call: 0800 521 680
To report a CCI: 0844 701 6515

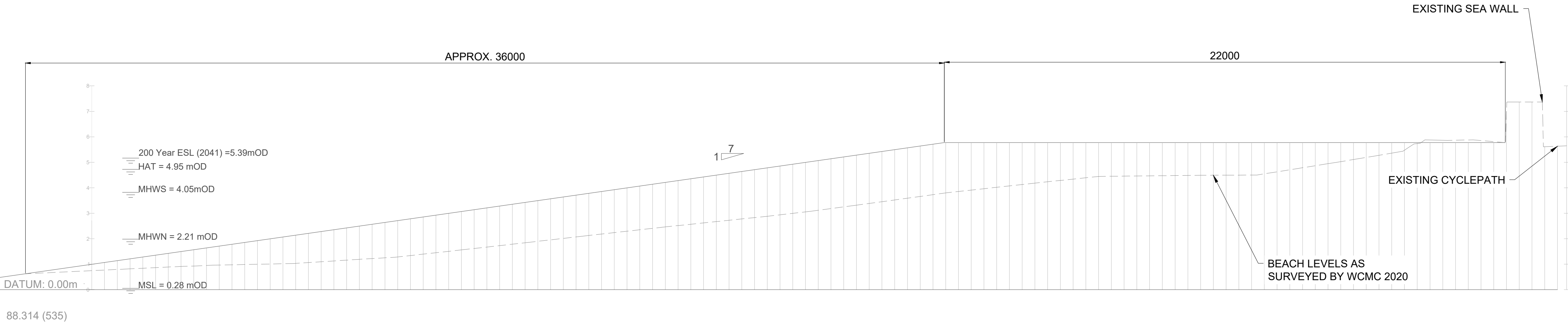
RESIDUAL DESIGN HAZARDS

(The following information has been collected from Preconstruction Information and the Amey CDM Hazard Management Process.)

1. Add Risks Here

NOTES

- Do not scale off this drawing.
- To be read in conjunction with dwg No. CH1701-AMEY-HGN-XX-DR-CH-2505



TEXT BOX 1: Beach Recharge Quantities
- MIN. CREST WIDTH REQUIRED FOR OVERTOPPING PROTECTION: 8m

CONSERVATIVE:
- YEARLY EROSIONAL VOLUME RATE BASED ON SURVEY DATA (1997-2009) = -6.3m3/yr
- YEARLY CREST WIDTH LOSS = 1.26m

POTENTIAL WORST CASE:
- YEARLY EROSIONAL VOLUME RATE BASED ON SURVEY DATA (1997-2009) = -9m3/yr
- YEARLY EROSIONAL VOLUME RATE BASED ON SURVEY DATA (2009-2020) = -10m3/yr
- YEARLY CREST WIDTH LOSS = 2m

RECHARGE VOLUMES:
RECHARGE VOLUMES ARE BASED ON THE POTENTIAL WORST CASE EROSION CONTINUING INTO THE FUTURE. A MINIMUM OF 8m CREST WIDTH MUST BE MAINTAINED AT ALL TIMES TO ENSURE ADDEQUATE OVERTOPPING PROTECTION IS OFFERED BY THE BEACH. ADDITIONAL SEDIMENT MUST BE ADDED TO INCREASE THE CREST WIDTH BEYONE 8m, PROVIDING A BUFFER ZONE. ADDITIONAL 40% ALLOWANCE ADDED TO ACCOUNT FOR LOSSES AS PROFILE ADJUSTS TO GREATER BEACH WIDTH, EXTENDING INTO DEEPER WATER. CREST WIDTH LOSSES FOR THREE TIME INTERVALS:
- TWO YEARS: 5.6m
- FIVE YEARS: 14m
- TEN YEARS: 28 m

RECHARGE SUGGESTED AT FIVE YEARL INTERVALS OR WHEN CREST WIDTH IS ERODED TO A MINIMUM OF 8m.
- RECHARGE SHOULD AIM TO ACHIVE A MAXIMUM CREST WIDTH OF 22m

Typical Sections
Scale: 1:100

P01.2	For Marine License Application	DF	WM	NT	26/09/22
Rev	Revision details	Drwn	Chkd	Appd	Date
Designed:	KW	Date:	20/05/22		
Drawn:	KW	Date:	25/05/22		
Checked:	NT	Date:	26/05/22		
Approved:	NT	Date:	26/05/22		

ameyconsulting

LDĀDESIGN

JBA consulting

Client

CONWY

CYNGOR Bwrdeistref Sirol
COUNTY BOROUGH COUNCIL

Ariennir yn Rhannol gan
Lywodraeth Cymru
Part Funded by
Welsh Government

Project Name

Llanddulas To Kinmel Bay
Coastal Improvements

Drawing Title

Ty-Crwn Beach Recharge
Typical Sections

Original Drawing Size : A1	Scale : As Shown
Dimensions : -	

Drawing Status	Suitability
WORK IN PROGRESS	S0

Drawing No	Rev
CH1701-AMEY-HGN-XX-DR-CH-2506	P01.2