



**SAFETY, HEALTH and ENVIRONMENTAL INFORMATION**

The following residual hazards have been identified in the Designer's Hazard Register (ref Works Information)

CS001: Requirement for Regular Beach Management to limit wave overtopping of sea wall to acceptable levels;

CS002: Potential for soft sand impeding access for disabled persons;

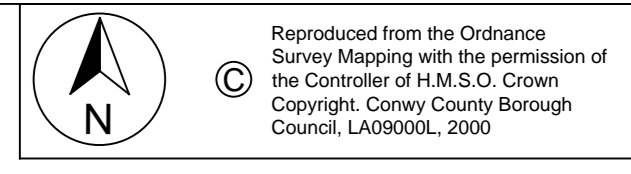
CS003: Potential for trip hazards arising from buried railings at access points;

CS005: Potential for siltation at harbour mouth requiring monitoring and clearance;

CS007: Requirement to warn public of dangers of gaining access on/over rock structures;

CS010: Maintenance of Navigation markers;

CS011: Movement of rocks to be monitored and moved/replaced as necessary



- Notes
- All levels are in metres and are relative to OD (Ordnance Datum). All dimensions in metres unless otherwise stated. Horizontal Control points are relative to the National Grid OSGB36;
  - This drawing shall be read in conjunction with all related drawings and Works Information. All discrepancies shall be referred to the Project Manager for decision before proceeding;
  - Do not scale from this drawing;
  - Volumes of sand to be imported shall be defined from comparison of the design profile with a survey of the beach applying prior to beach importation commencing, as Appendix 1/12;
  - Prior to the beach recharge commencing the Contractor shall carry out enabling works as follows:
    - Removal of designated rock groynes and existing sea wall toe protection;
    - Re-construction of the terminal rock groyne at Rhos-on-Sea;
    - Re-placing of any surplus excavated rock along the toe of the sea wall, south of the existing Phase 2b slipway;
    - Along the section where existing armour stone has been removed along the toe of the sea wall, the condition of the wall shall be ascertained and the Contractor shall, if required by the Supervisor, carry out repair works to the sea wall before recharge is carried out in that section;
    - Concrete steps over the existing rock groynes to be removed shall be broken up and removed from site;
    - Construction of outfall extensions and associated works, as detailed elsewhere.
  - Beach recharge work is to be carried out to the frontage consecutively, working from east to west, with work in any subsequent area not being carried out until work in the preceding area has been completed and accepted;
  - Completion and acceptance of each beach area shall not exceed lengths of 200 metres. Sequential completion of each area shall be in the same working order as the beach areas i.e. working from east to west;
  - The proposed seaward extent of beach recharge works is shown indicatively. The full seaward extent of the recharge works is to be determined by levels and gradients given on the beach cross section construction drawing.

LIST OF DRAWINGS

66-2010-01: Phase 2b - Existing Beach Arrangements
66-2010-02: Phase 1 - Existing Beach Arrangements
66-2010-03: Phase 2b - Proposed Beach Arrangements
66-2010-04: Phase 1 - Proposed Beach Arrangements
66-2010-05: Typical Beach Recharge Cross Section
66-2010-06: Rhos-on-Sea Terminal Groyne Modifications

2	Drawing List Added	AJW	AD	8/7/21
1	Notes amended; SHE information added	AJW	AD	6/7/21
REV	DETAIL	DRAWN	CHECKED	DATE

PROJECT

**Colwyn Bay Waterfront  
Phase 2b Coastal Defences**

TITLE

**Phase 2b - Proposed Beach Arrangements**

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DRAWN BY: AJW CHECKED BY: AD APPROVED BY: NH APPROVAL DATE: 08/07/21

SCALE @ A0: 1:1250 CAD File Ref: File: Phase 2b Layout.dwg Layout: 03 Phase 2b Proposed Beach Contours



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