

**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.

**⚠** In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information:

**CONSTRUCTION**

- 1 Depth and full extent of existing seawall foundations are unknown. Existing seawall becomes destabilised (DHER Ref. 19 & 23).
- 2 Unknown level of till layer/ obstructions (DHER Ref. 20).
- 3 Falling from height. Falling objects from promenade (DHER Ref. 22).
- 4 Working in tidal zone (DHER Ref. 27).

**OPERATION AND MAINTENANCE**

- 5 Beach levels shall be monitored at regular intervals including before and after storms and at least once a year in spring. Stability of toe rocks to be regularly inspected. (DHER Ref. 4).

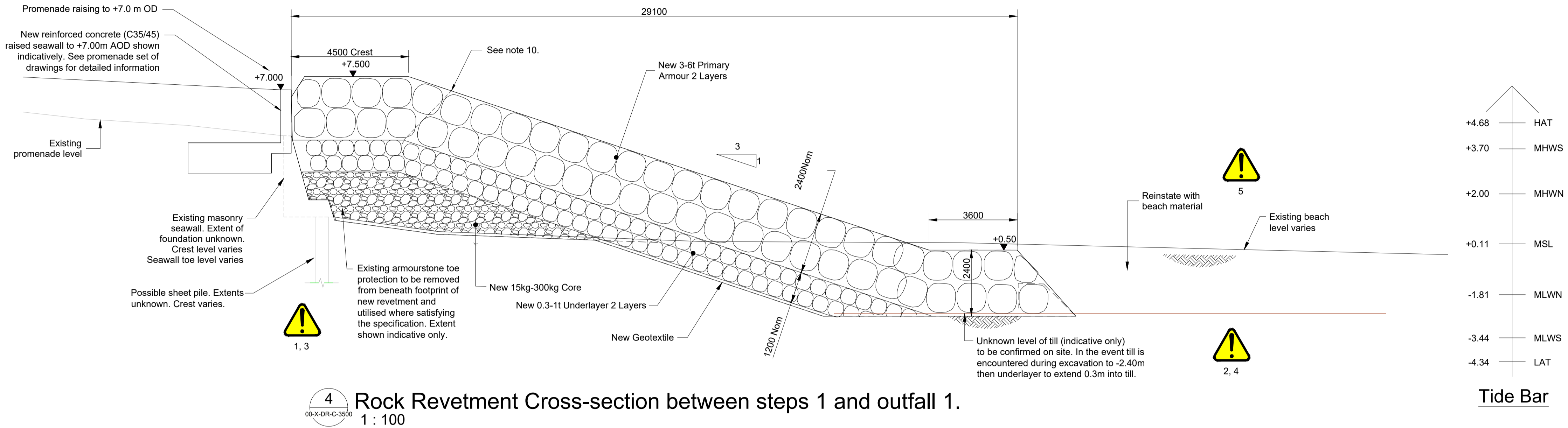
- Notes
1. All dimensions in millimetres unless otherwise stated.
  2. All levels shown are in metres relative to Ordnance Datum (mOD).
  3. Horizontal control points are relative to the National Grid OSGB36.
  4. Beach survey information based on PENRHYN BAY - COLWYN BAY POST STORM SURVEY undertaken in 2019 by Environmental & Engineering Services.
  5. Contractor to undertake trial holes to determine full extent and depth of existing seawall foundations present at least two weeks prior to the commencement of affected works, or ordering of materials, whichever occurs first.
  6. Contractor to survey the existing wall at tie in locations to confirm the extent and geometry of the existing seawall at least two weeks prior to the commencement of affected works, or ordering of materials, whichever occurs first.
  7. Suitable beach material excavated for the revetment toe shall be placed to re-profile the beach from the levels current at the deposition. The re-profiled beach shall have a flat berm more than 2m wide at the revetment toe and slope down to the beach level with a slope flatter than 1:8. The re-profiling should not extend below MLWN.
  8. See Alun Griffiths "OS Master Survey" and CCBC drone photographs for extent of existing Old Colwyn Phase 2 revetment.
  9. For recent beach levels, see beach surveys in the site information.
  10. Rock revetment to be partially constructed from the toe up to the line indicated prior to the promenade raising works. Construction of remaining part of revetment to follow after completion of promenade raising works.

Key to symbols

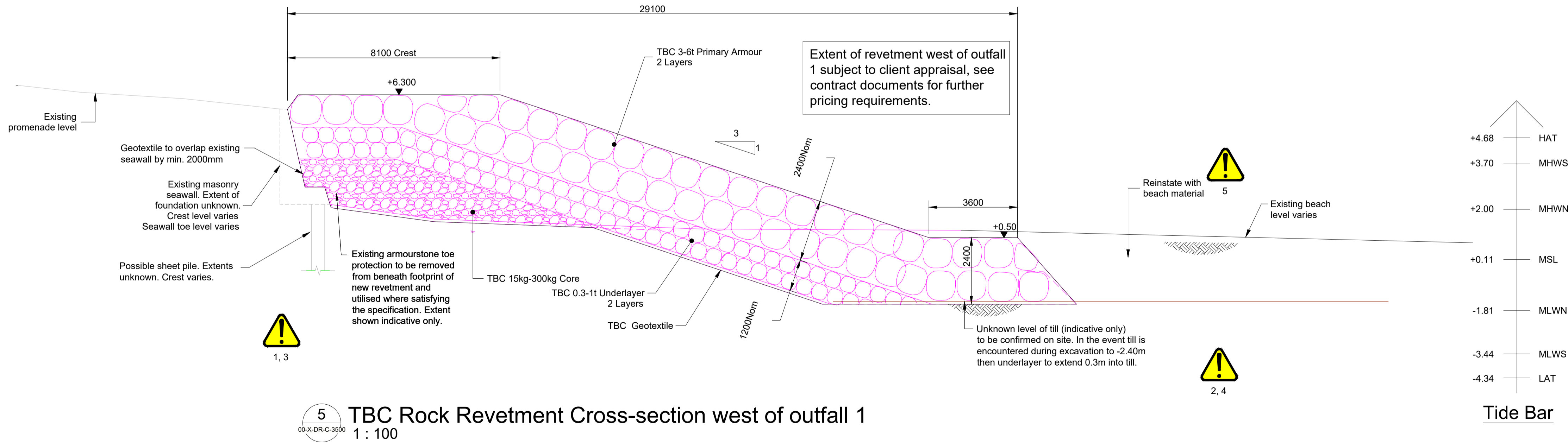
- Works previously built under a separate contract
- Crest raising as part of Phase 3 works
- Remove, grade and reincorporate into Phase 3 works
- Temporarily remove for enabling works for seawall raising (then put back)
- TBC

Reference drawings

415437-MMD-00-XX-DR-C-3500 - Coastal General Arrangement Plan  
415437-MMD-00-XX-DR-C-3520 series - Sections & details  
415437-MMD-00-XX-DR-C-3540 series - RC details



4 Rock Revetment Cross-section between steps 1 and outfall 1.  
1 : 100



5 TBC Rock Revetment Cross-section west of outfall 1  
1 : 100

**Tender Issue**

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Client

**CONWY**  
CYNGOR BWRDEISTREF SIROL  
COUNTY BOROUGH COUNCIL

Title

Ph.3 - Old Colwyn Promenade Coastal Defence & Active Travel Improvements  
Coastal Structures  
Revetment Cross Sections  
Sheet 2 of 2

Designed	P.C.O.	Eng. Check	G. Mitchell	
Drawn	R. Williams	Coordination	G. Mitchell	
Dwg. Check	G. Mitchell	Approved	S. Smith	
MMD Project Number	415437	Scale at A1	1:100	Security STD
Suitability Description	Tender Issue			Suit. Code A4
Drawing Number	415437-MMD-00-XX-DR-C-3521			Rev C01