

Note: The limits, including the height and depths of the Works, shown in this drawing are not to be taken as limiting the obligations of the contractor under Contract.

Notes

- All dimensions in millimetres unless stated otherwise.
- All levels in metres above Ordnance Datum (m OD) unless stated otherwise.
- Rip Rap grading:-
D₁₅ - 315mm, D₃₀ - 470mm, D₅₀ - 705mm
M₁₅ - 80kg, M₃₀ - 270kg, M₅₀ - 915kg.
- Filter grading:-
D₁₅ - 67mm, D₃₀ - 100mm, D₅₀ - 150mm.
- Refer to ECOP 5 (122782-BVL-Z0-00-DR-I-00009) for additional mitigation and enhancement works required.
- Drawing 122918-BVL-Z0-00-DR-C-10013 section 4.0 was used to determine berm design.
Berm level = 162.5mOD.
Max. berm width 6m.
Max total span of berm from crest = 9m.
- Intermediate pinning of embankment using mild steel fixing pins installed at 1m centres.
- Slopes to be prepared as per the specification prior to laying the Enkamat and Geotextile.
- Enkamat and geotextile provided as per specification.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS OR RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, THE FOLLOWING SIGNIFICANT RESIDUAL RISKS SHOULD BE NOTED. FURTHER DETAILS ARE INCLUDED IN THE CDM DESIGN RISK MANAGEMENT REGISTER

CONSTRUCTION :

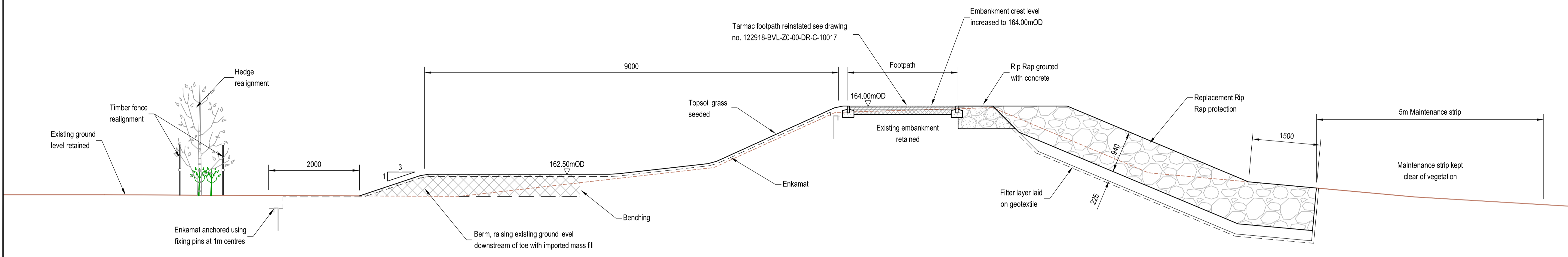
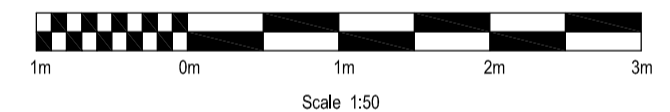
- S1 - Access and manoeuvring heavy plant.
- S2 - Lifting and placing rip rap.
- S4 - Pollution.
- S5 - Flooding of working area.
- S6 - Working under overhead HV cables.
- S7 - Working adjacent to SAC/RAMSAR habitats.
- S9 - Integrity of Rip Rap protection.
- S10 - Construction related traffic.
- S11 - Damage to Enkamat.

MAINTENANCE, CLEANING AND OPERATION :

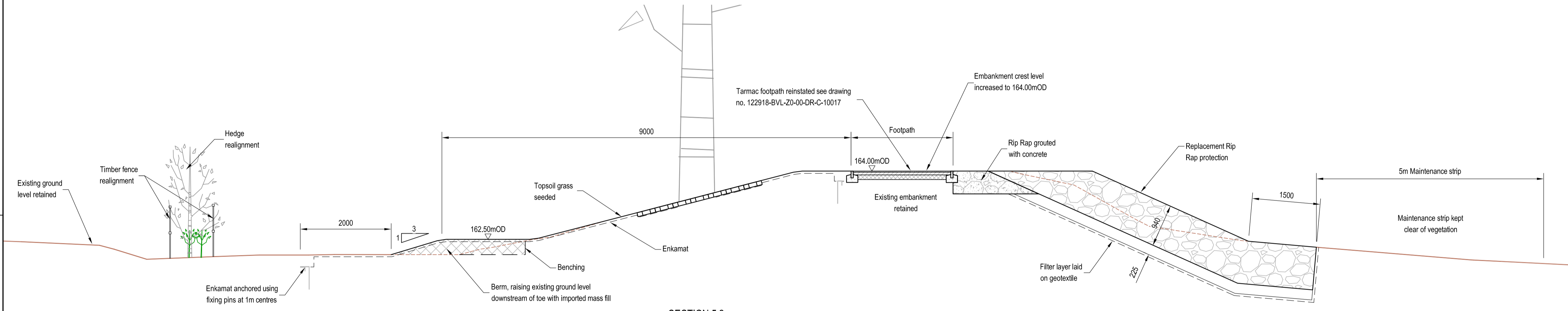
- S9 - Integrity of rip rap protection.
- S11 - Damage to Enkamat.

DECOMMISSIONING OR DEMOLITION :

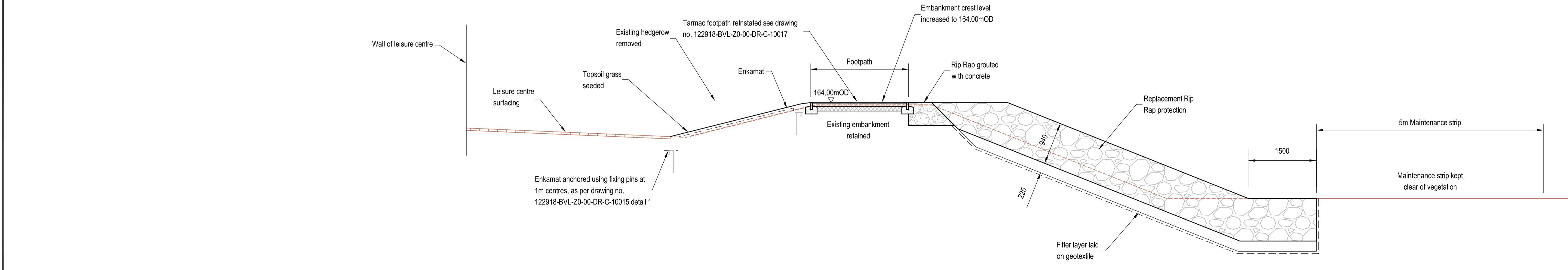
- S1 - Access and manoeuvring heavy plant.
- S2 - Lifting and placing Rip Rap.
- S4 - Pollution.
- S5 - Flooding of working area.
- S6 - Working under overhead HV cables.
- S7 - Working adjacent to SAC/RAMSAR habitats.



SECTION 5.1
Scale 1:50



SECTION 5.2
Scale 1:50



SECTION 6.1
Scale 1:50

P01	JR	BS	SPC	SPC	04/07/19	For client review
P02	JR	BS	JH	JH	04/09/19	For Client Review
P03	JR	BS	JH	JH	31/10/19	For Client Review
Rev	Drawn	Chkd	Rvwd	Apprvd	Date	Description

Designed by: _____ Date: _____
 Status: S8 Suitable for client review, comment and/or approval

Client: **Cyfoeth Naturiol Cymru Natural Resources Wales**

Client Drawing No. _____ Revision _____

BLACK & VEATCH
 Building a world of difference.
 Black & Veatch Limited
 60 High Street, Rush Hill, Surrey, RH11 1SR, United Kingdom
 Tel: +44(0)1737 774155

Project: **LLYN TEGID DESIGN AND PLANNING**

Drawing title: **LLYN TEGID SECTIONS 5.1 AND 6.1 SHEET 3 OF 3**

Drawing scale: 1:50	Sheet size: A1
Drawing no. 122918-BVL-Z0-00-DR-C-10014	Revision P03