

Trefelin Boys and Girls Club - Ynys Park, Cwmafan, PT SA12 9DQ
Proposed New Spectator Stand - P2025/0795

DRAINAGE STATEMENT

1.0 SITE LOCATION AND DESCRIPTION

1.1 The site is located east of B4286 (Cwmavon Rd) Port Talbot, SA12 8RB.

Location plan attached

2.0 EXISTING DRAINAGE

2.1 Land Drainage The topographical survey indicates a ditch running along the eastern boundary, Surface water running into the ditch is likely to discharge directly into the River Afan.

2.2 Surface Water Drainage Network

Welsh Water Asset plans indicate no existing surface water sewers within or adjacent to the site.

2.3 Foul Water Drainage Network

Welsh Water Asset plans indicate no existing foul water sewers within or adjacent to the site.

2.4 Combined Drainage

Welsh Water Asset plans show an existing 600mm combined sewer running north to south along the eastern part of the site.

2.5 Other Drainage

No other drainage or culverted watercourses are noted.

2.6 The surface water runoff from the existing stand discharges to ground at the rear of the structure, no drainage currently exists. See plan TBGC-NG –08

3.0 PROPOSED DRAINAGE STRATEGY

3.1 The discharge point is noted to outfall into the adjacent watercourse (Nant Cwn-Clais).

3.2 Surface water runoff from the roof of the new stand will flow into two new rainwater gullies at the rear of the new stand which will discharge directly through 100 diameter drainpipes into the adjacent Nant Cwn-Clais watercourse. See plan TBGC-NG -09

3.3 NRW confirmed that there is no requirement for an OWC permit.

An email reply from an NRW enquiry 09.03.26 is attached

3.4 Filtration of the rainwater will not be required, as the discharge will be maintained to provide a clean and uncontaminated rainwater discharge into the Nant Cwn-Clais watercourse.

3.5 A planned maintenance regime will include for the two new RWG's are to be cleared of any leaves or debris on a regular basis, to provide an unobstructed flow to the adjacent brook. see plan TBGC-NG -09

3.6 Part of an existing concrete path will be replaced with a new permeable surface approx. 2m² see plan TBGC-NG -09

4.0 FOUL DRAINAGE

4.1 No foul drainage is proposed for the development of the replacement spectator stand

5.0 LAND DRAINAGE

5.1 No proposed land drainage is noted within the area of the development

6.0 COMPLIANCE WITH NATIONAL SUDS STANDARDS

The following sections detail the design principles that will be incorporated in the development proposals for the scheme.

6.1 Standard S1 – Surface Water Destination

Priority Level 1 – this project has no requirement for reuse of rainwater

Priority Level 2 – information indicates slowly permeable seasonally wet acid loamy and clayey soil. Existing catchment is indicated as draining to local stream and river network. The onsite low infiltration rate is insufficient as a primary strategy for the site.

Priority Level 3 – Discharge to Water Body for the proposed scheme

Priority Level 4 – Discharge to Surface Water Sewer, Highway Drain, or other System

N/A Deemed not required for this development.

Priority Level 5: Discharge to a Combined Sewer

N/A Deemed not required for this development