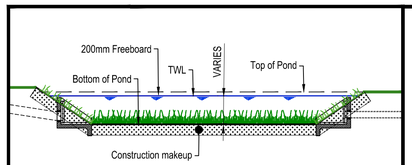
Typical Attenuation Pond

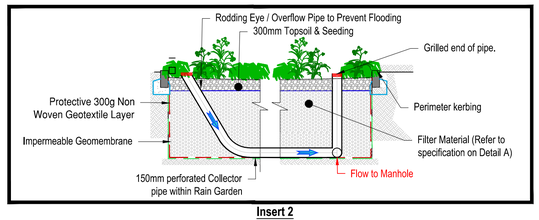


Proposed Attenuation Pond

Required Plan Footprint of Pond	: 2130m²
Depth to base level	: 1.5m
Volume to TWL	: 2143m³
Pond Side Slopes	: 1 in 3

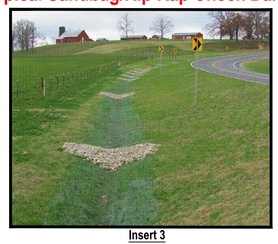
Insert 1
n.t.s

Typical Rain Garden

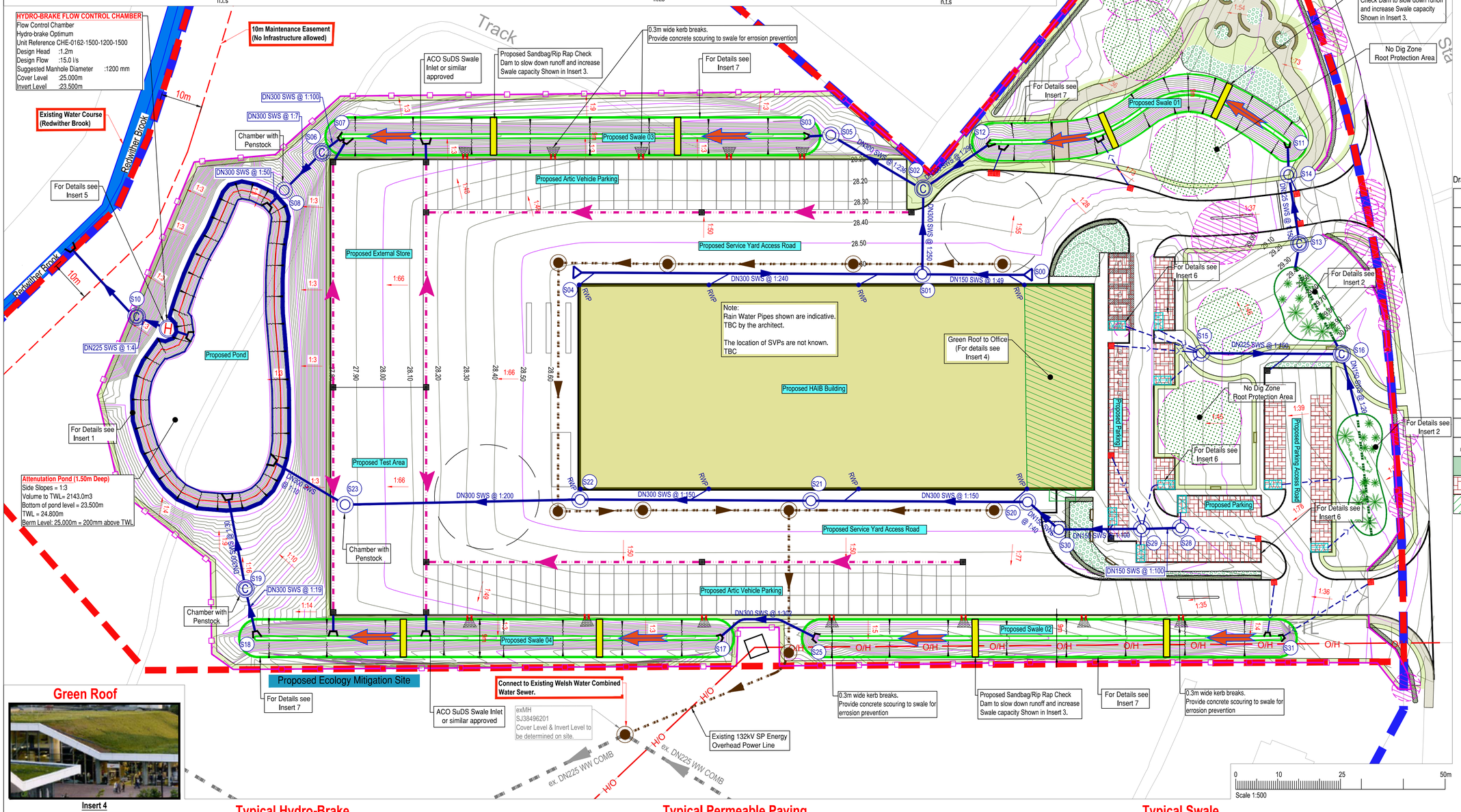


Insert 2
n.t.s

Typical Sandbag/Rip Rap Check Dam



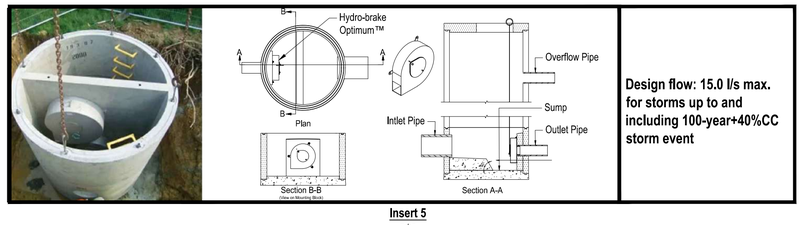
Insert 3
n.t.s



Green Roof

Insert 4
n.t.s

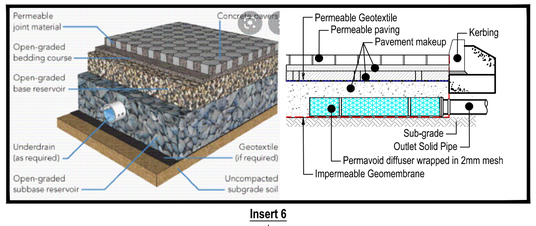
Typical Hydro-Brake



Design flow: 15.0 l/s max. for storms up to and including 100-year+40%CC storm event

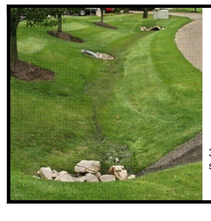
Insert 5
n.t.s

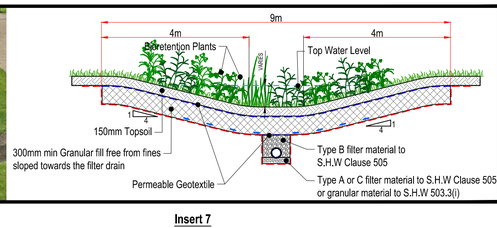
Typical Permeable Paving



Insert 6
n.t.s

Typical Swale





Allow fo 9m wide Swales

Insert 7
n.t.s

Safety, Health & Environmental Information:

In addition to the hazards and risks normally associated with the types of work detailed on this drawing, please note the significant hazards identified by symbols below,

⚠ INDICATES A RESIDUAL RISK AS A WARNING

ⓘ INDICATES A RESIDUAL RISK FOR INFORMATION

and described below:

Construction/Maintenance/Cleaning/Demolition
Refer to Drawing:

General Notes:

1. Do not scale from this drawing.
2. All dimensions are in millimetres (mm), all levels in metres (m) unless noted otherwise.
3. Discrepancies or omissions are to be reported to the Engineer prior to work commencing.
4. Materials and workmanship are to comply in all respects with current British Standard Specifications, Codes of Practice, and Building Regulations Approved Documents.
5. The copyright of this drawing is vested in the Engineer and must not be copied or reproduced without written consent.
6. The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work commences.
7. This drawing is to be read in conjunction with all relevant specifications and drawings issued by the Engineer, Architect and other Specialists.

Drainage Key:

DNXXX SWS @ 1:XXX	Proposed Stormwater
	Proposed ACO Channel Drain
	Proposed Foul Sewer
SXX	Proposed Stormwater Manhole
FXX	Proposed Foul Sewer Manhole
SXX	Proposed Stormwater Hydro-brake
SXX	Proposed Ridgistorm Separate Catchpit
	Proposed Road Gully
	Proposed ACO Drain Gully Outlet
	DN150 Gully / RWP Connector
RWP	Proposed Rain Water Pipe
XXX	Proposed Permavoid Diffuser Unit and Connector Dimension: L=708mm x W = 354mm x D = 150m
	Proposed 0.3m wide kerb breaks
ex. DN225 WW COMB	Existing DN225 mm Welsh Water Combined Water Sewer
	Rain Garden
	Permeable Paving
	Green Roof

Rev	By / Chk'd	Date	Description
P02	IW/AM	20/05/2025	Drainage details updated
P01	IW/AM	04/03/2025	Preliminary issue for client comments

PRELIMINARY DRAWING
This drawing is not to be used for construction

Client
FI REAL ESTATE MANAGEMENT

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Web: www.barnsleymarshall.co.uk

BarnsleyMarshall

Project
The Oaks Site
Wrexham Industrial Estate

Drawing
Drainage Plan Layout

By	IW/AM
Date	18/02/2025
Drawing No.	TOS-BML-XX-XX-DR-C-0500
Revision	P02
BML Job No.	1000-06
Status	-

Drawing Scale at A1: 1:500

CAD Filename: Y:\Projects\1000-06 The Oaks Site, Wrexham Ind Est\Information - Working\DWG\TOS-BML-XX-XX-DR-C-0500 P01 - Drainage Plan Layout.dwg