Table 1: Pavement Construction Chart

Pavement Construction Type	Surface Course	Binder Course	Base Layer (Bituminous)	Base Layer (HBM)	Sub-base/Capping Layer (Foundation Class 2)
Parking Access Road PC1	40mm AC6 dense surf 160/220 to BS EN 13108-1 and BSI PD 6691 Annex B	60mm AC20 dense bin 100/150 to BS EN 13108-1 and BSI PD 6691 Annex B	80mm AC32 dense base 100/150 to BS EN13108-1 and BSI PD 6691 Annex B	75mm Type 1 sub base to DfT SHW Clause 803	Minimum 200mm in-situ Lime-Stabilised Sub-Base - Non-frost susceptible. The contractor shall achieve a CBR of, at least, 30% at the top of this layer.
Permeable Paving (Parking Bays) PC2	80mm Permable Concrete Block Paviours to Architect specification.	50mm Sand Layer Class II to BS7533 Part 3 2005+A1:2009 or similar approved on non-woven permeable geotextile membrane	--	325mm Type 3 Sub-Base to DfT SHW Clause on non-woven permeable geotextile membrane	Minimum 200mm in-situ Lime-Stabilised Sub-Base - Non-frost susceptible. The contractor shall achieve a CBR of, at least, 30% at the top of this layer.
Service Yard Access Road PC3	190mm thick slab grade PAV2 (air entrained to 5.5%), including 1 layer of A252 mesh in bottom with 40mm cover. To have brushed finish			75mm thick Type 1 sub base well compacted, sub grade to be proof rolled	Minimum 200mm in-situ Lime-Stabilised Sub-Base - Non-frost susceptible. The contractor shall achieve a CBR of, at least, 30% at the top of this layer.

Notes:

1. Contractor to check insitu CBR at time of construction and adjust pavement foundation as per Table 3.
2. Contractor is to ensure a minimum CBR of 5% at the top of sub-grade/base of capping layer.
3. Contractor to check that the existing subgrade is not frost-susceptible. If found to be frost-susceptible, contractor to ensure all material within 450mm depth from the pavement surface is non frost-susceptible by adding a capping layer below the sub-base.

Table 2: Footway Construction Chart

Pavement Construction Type	Surface Course	Binder Course	Base Layer (Bituminous)	Base Layer (HBM)	Sub-base/Capping Layer (Foundation Class 2)
Footway Pavement FC1	25mm AC6 Dense Surf 100/150 to BS EN 13108-1	50mm AC20 Dense BIN 100/150 to BS EN 13108-1	--	75mm thick Type 1 sub base well compacted, sub grade to be proof rolled	Minimum 200mm in-situ Lime-Stabilised Sub-Base - Non-frost susceptible. The contractor shall achieve a CBR of, at least, 30% at the top of this layer.

Notes:

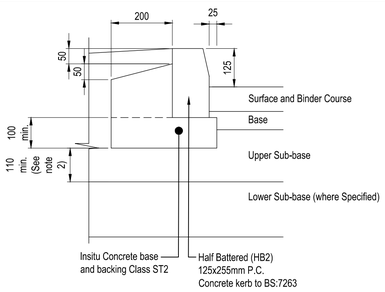
1. Contractor is to ensure a minimum CBR of 5% at the top of sub-grade/base of capping layer

Table 3: Class 2 Pavement Foundation Options

In-situ CBR	Type 1 sub base to DfT SHW Clause 803
7% - 20%	100
5% - 7%	150
3% - 5%	250
2% - 3%	325
< 2%	Consult Engineer for Advice

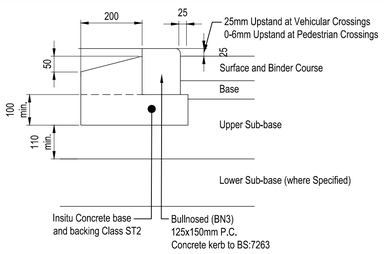
Notes:

1. Minimum thickness of sub-base may be considered for reduction when using proprietary geogrid, provided they can be adequately justified and designed by an Engineer in accordance with technical requirement R5.
2. Specialists advice should be sort to improve the subgrade.



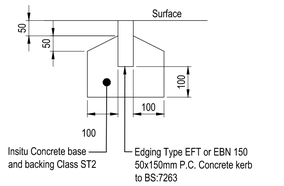
Full height HB2 Kerb & Base Detail

Scale 1:10



Dropped BN3 Kerb & Base Detail

Scale 1:10



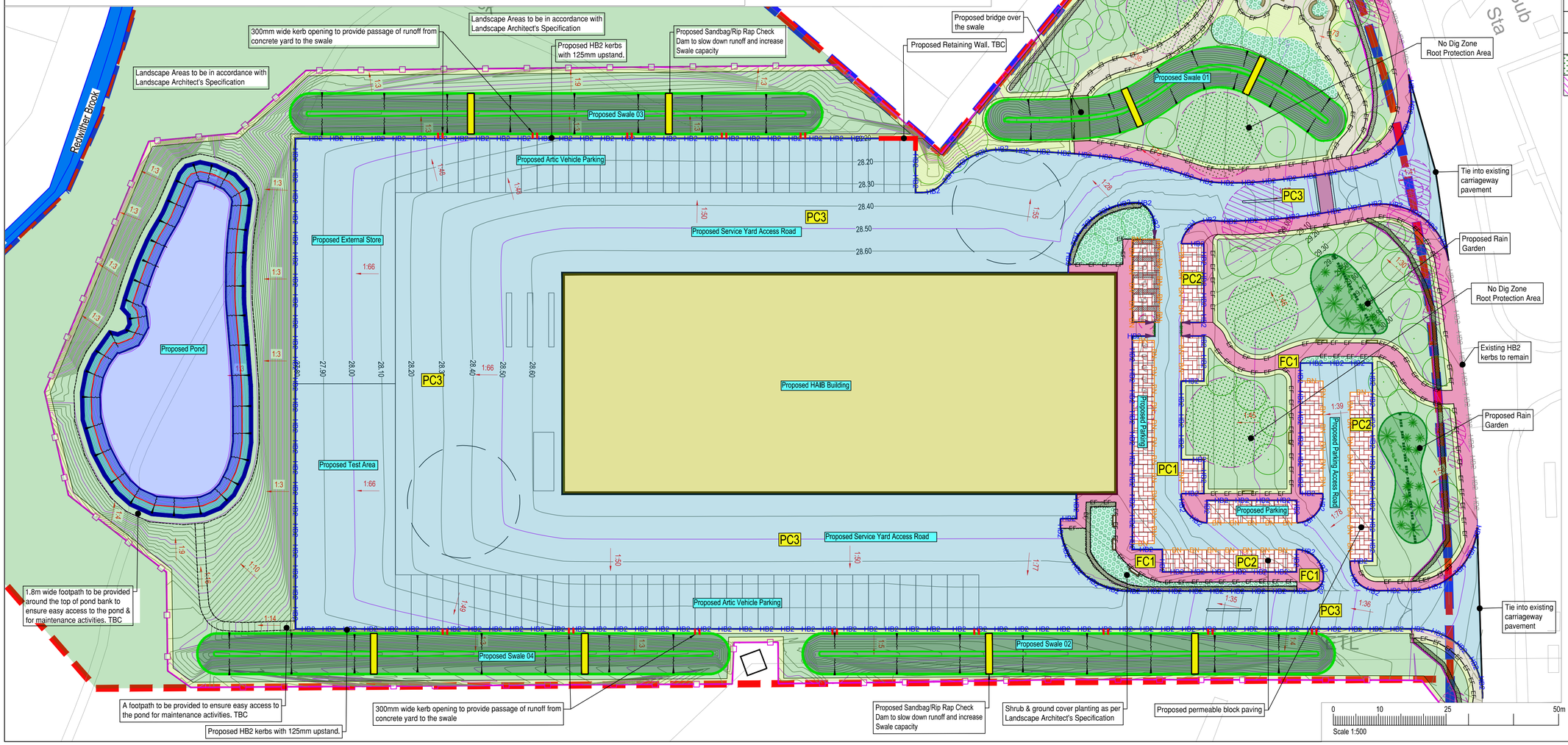
Edging EFT Kerb & Base Detail

Scale 1:10

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.

Note:
This drawing is to be read in conjunction with Landscape Architect's Drawing Ref: **311/LAND/L/102-P01**



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:

KEY

	Proposed Building
	Proposed Permeable Paving
	Proposed Concrete Yard Slab
	Proposed Footway
	Existing and Proposed Green Areas
	Proposed hogging/heritage gravel path to picnic area(refer to Landscape Architect layout for details)
	Proposed native grass mix (refer to Landscape Architect layout for details)
	Proposed ornamental shrub & herbaceous planting (refer to Landscape Architect layout for details)
	Proposed native mixed species hedging (refer to Landscape Architect layout for details)
	Proposed native species shrub planting (refer to Landscape Architect layout for details)
	Proposed bench seating (refer to Landscape Architect layout for details)
–HB2–HB2–HB2–	Proposed HB2 kerbs with 125mm upstand
—BN—BN—BN—	Proposed BN kerbs with 25mm upstand
–BN3–BN3–BN3–	Proposed BN3 Kerbs with 0-6mm upstand
► ◄	Proposed dropped kerbs
—EF—EF—EF—EF—	Proposed EF Kerbs
–HB2–HB2–HB2–	Existing Kerbing to remain
	Root Protection Area (No Dig Zone)
	Trees to be removed

Note:

1. For Drainage Plan Layout refer to drawing: TOS-BML-XX-XX-DR-C-0500
2. For Stormwater Chamber & Pipe Schedule refer to drawing: TOS-BML-XX-XX-DR-C-0502
3. For Drainage Details refer to drawings: TOS-BML-XX-XX-DR-C-0505 to 0508

Rev	By / Chk'd	Date	Description
P02	IW/AM	20/05/2025	Drainage details updated
P01	IW/AM	18/02/2025	First Issue for Construction

PRELIMINARY DRAWING
This drawing is not to be used for construction

Client

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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:\Project 1000-06 The Oaks Site Wrexham Ind Est\Working\DWG\TOS-BML-XX-XX-DR-C-0700 P01 - External Surfaces.dwg