

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)
Permeable Paving (Parking Bays) PC1	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 PC2	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: 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

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 signifcant 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:

- Do not scale from this drawing.
- All dimensions are in millimetres (mm), all levels in metres (m) unless noted otherwise.
- Discrepancies or omissions are to be reported to the Engineer prior to work commencing.
- Materials and workmanship are to comply in all respects with current British Standard Specifications, Codes of Practice, and Building Regulations Approved Documents.
- This drawing is to be read in conjunction with all relevant specifications and drawings issued by the Engineer, Architect and other Specialists.
- The contractor is to check all information provided, including all proposed external levels, prior to commencing the works and seek clarification from the engineer in respect to any ambiguities found.
- The copyright of this drawing is vested in the Engineer and must not be copied or reproduced without written consent.

Key:

- - - - -	Site Boundary
	Proposed Permeable Paving
	Proposed Concrete Yard
	Existing Building / Road (Phase 1 Works)
	Existing Green Areas to remain
	Proposed reprofiling of earthworks
	Proposed Building
	Proposed Gravel Surround
	Proposed Filter Drain
—HB2—HB2—HB2—	Proposed HB2 kerbs with 125mm upstand
—BN—BN—BN—	Proposed BN kerbs with 0-6mm upstand
► ◄	Proposed dropped kerbs

Rev	By / Ch'k'd	Date	Description
P02	IW/AM	12/10/2026	Details updated to suit NRW consultation
P01	IW/AM	27/02/2026	Preliminary issue for Client comments

PRELIMINARY DRAWING
This drawing is not to be used for construction

Client

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Project

New Workshop
Oak Road, Wrexham
LL13 9RG

Drawing

External Works Layout

By IW/AM Date 24/02/2026

Drawing No. RNW-BML-XX-XX-DR-C-0700 Revision P02

BML Job No. 968-04 Status -

Drawing Scale at A1: 1:200

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