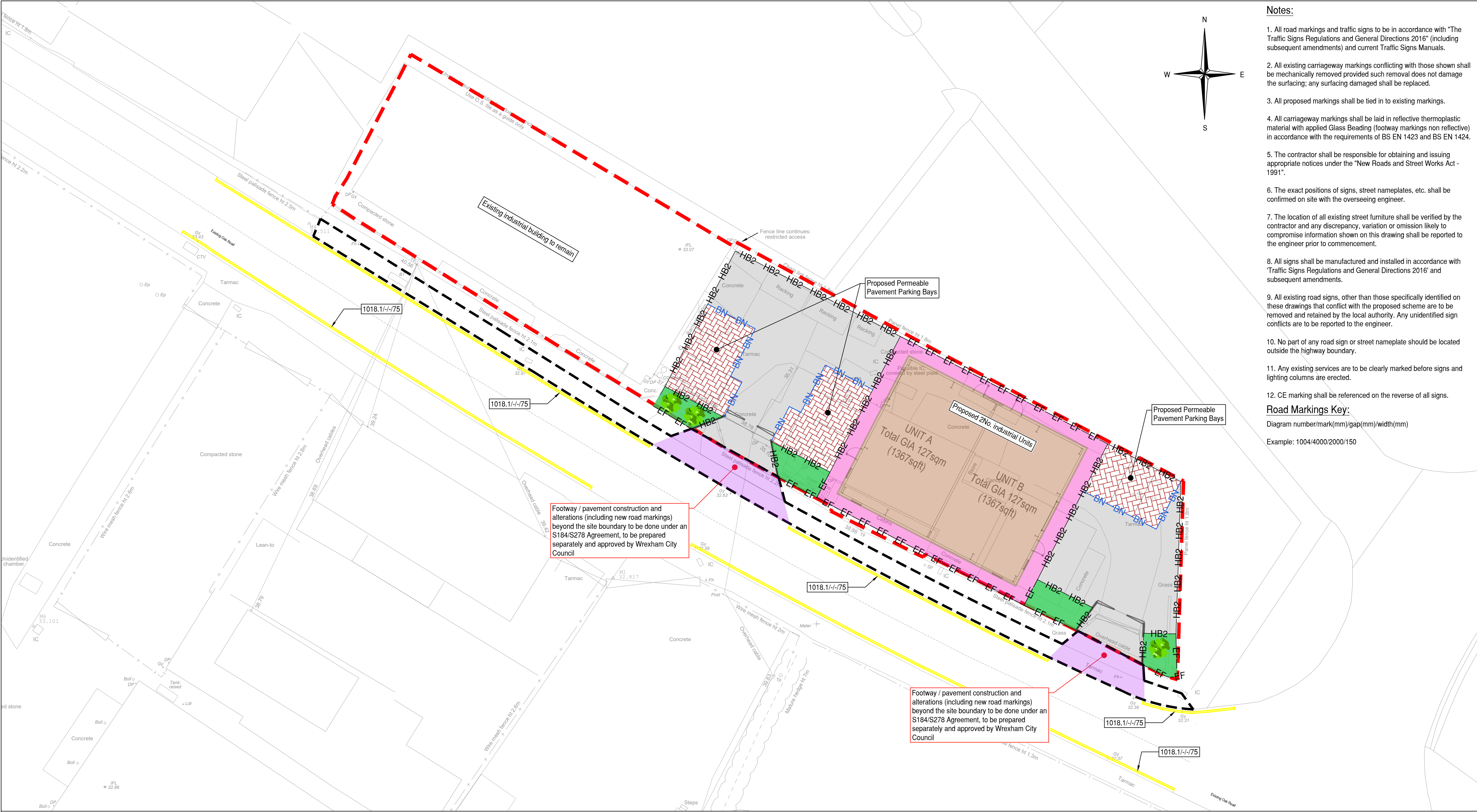




Notes:

1. All road markings and traffic signs to be in accordance with "The Traffic Signs Regulations and General Directions 2016" (including subsequent amendments) and current Traffic Signs Manuals.
2. All existing carriageway markings conflicting with those shown shall be mechanically removed provided such removal does not damage the surfacing; any surfacing damaged shall be replaced.
3. All proposed markings shall be tied in to existing markings.
4. All carriageway markings shall be laid in reflective thermoplastic material with applied Glass Beading (footway markings non reflective) in accordance with the requirements of BS EN 1423 and BS EN 1424.
5. The contractor shall be responsible for obtaining and issuing appropriate notices under the "New Roads and Street Works Act - 1991".
6. The exact positions of signs, street nameplates, etc. shall be confirmed on site with the overseeing engineer.
7. The location of all existing street furniture shall be verified by the contractor and any discrepancy, variation or omission likely to compromise information shown on this drawing shall be reported to the engineer prior to commencement.
8. All signs shall be manufactured and installed in accordance with "Traffic Signs Regulations and General Directions 2016" and subsequent amendments.
9. All existing road signs, other than those specifically identified on these drawings that conflict with the proposed scheme are to be removed and retained by the local authority. Any unidentified sign conflicts are to be reported to the engineer.
10. No part of any road sign or street nameplate should be located outside the highway boundary.
11. Any existing services are to be clearly marked before signs and lighting columns are erected.
12. CE marking shall be referenced on the reverse of all signs.

Road Markings Key:

Diagram number/mark(mm)/gap(mm)/width(mm)

Example: 1004/4000/2000/150

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 RRN-BML-ERD-ZZ-DR-C-XXX

General Notes:

1. Do not scale from this drawing.
2. All dimensions are in meters (m), 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.
8. Details and locations of existing services are based on the Topographical Survey and Utility Records received from Third Parties and Service Providers respectively, and should be considered indicative and approximate only. The existing services shown on drawings may not be exhaustive. The Contractor shall use Trial Pits and other approved methods to accurately locate and verify the positions and depths of all existing services before commencement of works on site.

KEY:

HB2-HB2	Proposed HB2 Kerbs
BN-BN	Proposed BN Kerbs laid with 25mm upstand
EF-EF	Proposed EF Kerbs laid with 25mm upstand
	Proposed Site Boundary
	Proposed Permeable pavement parking bays
	Proposed 2no. Industrial units
	Proposed footways
	Proposed access road and yard

P04	MR	AM	03/02/22	Updated to suit WCBC comments
P03	MR	AM	15/12/21	Masterplan Updated
P02	MR	AM	19/07/21	Layout Updated
P01	DH	AM	26/04/21	Preliminary Issue
Rev	By	Chk'd	Date	Description

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Project

R&R Engineering
Wrexham Industrial Estate

Drawing

External Surfaces

Drawn by	DH	Date	26/04/21
Checked by	AM	Date	26/04/21

Drawing No.	Revision
RRN-BML-ERD-ZZ-DR-C-0700	P04

BML Job No.

1017-01

Drawing Scale at A1: 1:200

CAD Filename:

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)
Access Road PC1	40mm HRA 55/14 C Surf 40/60 to BS EN 13108-4. Minimum PSV 60	60mm AC20 Dense BIN 100/150 to BS EN 13108-1	80mm AC32 Dense Base 100/150 to BS EN 13108-1	--	150mm Type 1 sub base to DIT SHW Clause 803 over 350mm Capping Layer to SHW Clause 613
Permeable Paving PC2	80mm Concrete Block Paviours to Architect specification.	50mm Sand Layer Class II to BS7533 Part 3 2005+A1:2009 or similar approved	--	--	300mm Type 3 sub base (5-20 mm Stone) DIT SHW to Clause 805

Notes:

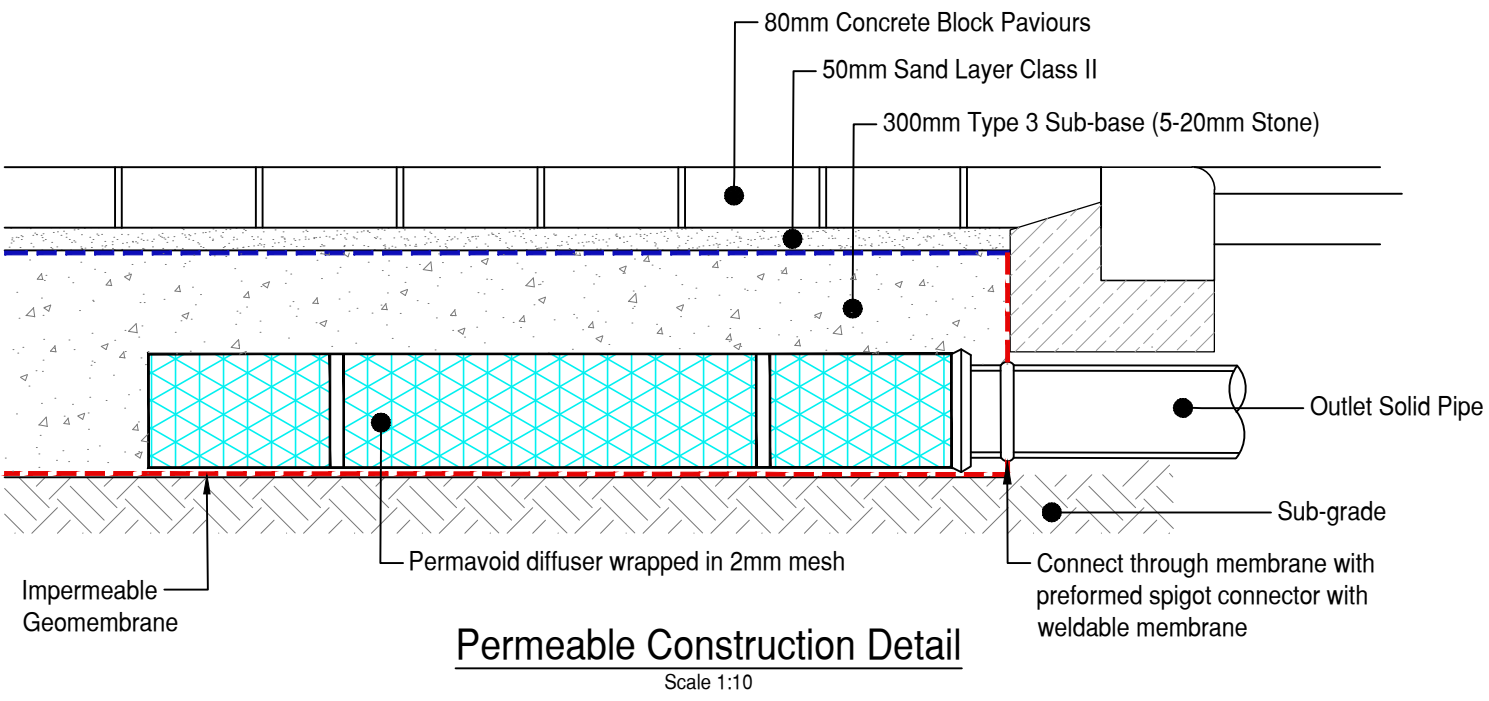
1. Contractor to check insitu CBR at time of construction and adjust pavement foundation as per Table 3. Assumed Site CBR 2% <= CBR < 5%

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 160/220 to BS EN 13108-1	50mm AC20 Dense BIN 160/220 to BS EN 13108-1	--	--	150mm Type 1 sub base to DIT SHW Clause 803

Table 3: Class 2 Pavement Foundation Options

In-situ CBR	Type 1 sub base to DIT SHW Clause 803	6F1 or 6F2 Capping layer To SHW clause 613
>=5%	225	-
2% <= CBR < 5%	150	350
< 2%	150	600



PRELIMINARY DRAWING
This drawing is not to be used for construction

For kerbing details refer to WCBC drawing no. 11/01/02