



**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:**

- Do not scale from this drawing.
- All dimensions are in meters (m), 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.
- The copyright of this drawing is vested in the Engineer and must not be copied or reproduced without written consent.
- The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work commences.
- This drawing is to be read in conjunction with all relevant specifications and drawings issued by the Engineer, Architect and other Specialists.
- 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

**PRELIMINARY DRAWING**  
This drawing is not to be used for construction

|     |    |       |          |                    |
|-----|----|-------|----------|--------------------|
| 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 | P03      |

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 Paviments 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:**

- 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 100/150 to BS EN 13108-1 | 50mm AC20 Dense BIN 100/150 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                                        |

