Drainage Key

DN150 SWS 1 in 100	Proposed Surface Water Sewer
SWMH XX DN XXXX CL: XX.XX IL: XX.XX	Proposed Surface Water Manhole
SWIC XX DN XXXX CL: XX.XX IL: XX.XX	Proposed Surface Water Inspection Chamber
SWCP XX DN XXXX CL: XX.XX IL: XX.XX	Proposed Ridgistorm Separate Catchpit
	Proposed DN150 RWP and Gully Connection
GYXX■	Proposed Road Gully, refer to drawing RRE-BML-ERD-ZZ-DR-C-0501 for details.
H	Proposed Hydro-brake Chamber. Refer to drawing RRE-BML-ERD-ZZ-DR-C-0501 for details.
ACO RoadDrain 100	ACO RoadDrain 100 or similar approved

Bioretention Area
Depressed area up to 300mm below the surrounding levels

Maximum Flood Volume: 1.80m³

DN225 SWS 1:60,5

FFL:33.800 — UNIT 4 Total GIA 192sqm (2066sqft)

FFL:33.800 — UNIT 3 Total GIA 192sqm (2066sqft)

FFL:34.100 — UNIT 2 Total GIA 192sqm (2066sqft)

FFL:34.100 — UNIT 1 Total GIA 192sqm (2066sqft)

33.270m 33.535m 33.600m 33.700m 33.695m

ACO RoadDrain 100

1:200

33.280m 33.360m 33.425m 33.495m 33.560m

Maximum Flood Volume: 2.75m³

1:200

Maximum Flood Volume: 0.15m³

33.300m 33.310m 33.320m 33.450m

Pond

Flood Depth Bands

Depth (mm)	Hazard Rating <	Lower Colour	Upper Colour
0 - 10	0.00	Not Drawn	
10 - 50	0.75		
50 - 125	1.50		
125 - 300	2.50		

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 LGL-BML-S38-ZZ-DR-C-0100

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.

Proposed Site Boundary

The area bounded in blue is owned by the same owner who owns the proposed development area

PRELIMINARY DRAWING
This drawing is not to be used for construction

Rev	By	Chk'd	Date	Description
P02	VI	AM	10/02/21	Drainage Layout revised to address SAB comments
P01	VI	AM	26/08/20	Preliminary Issue

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Project
R&R Engineering
Wrexham Industrial Estate

Drawing
FloodFlow Analysis
250-Year + 40% CC
15min Winter Storm Event

Drawn by	VI	Date	09/20
Checked by	AM	Date	09/20

Drawing No. RRE-BML-ERD-ZZ-DR-C-0503
Revision P02
BML Job No. 1017-01
Drawing Scale at A1: 1:250
CAD Filename: