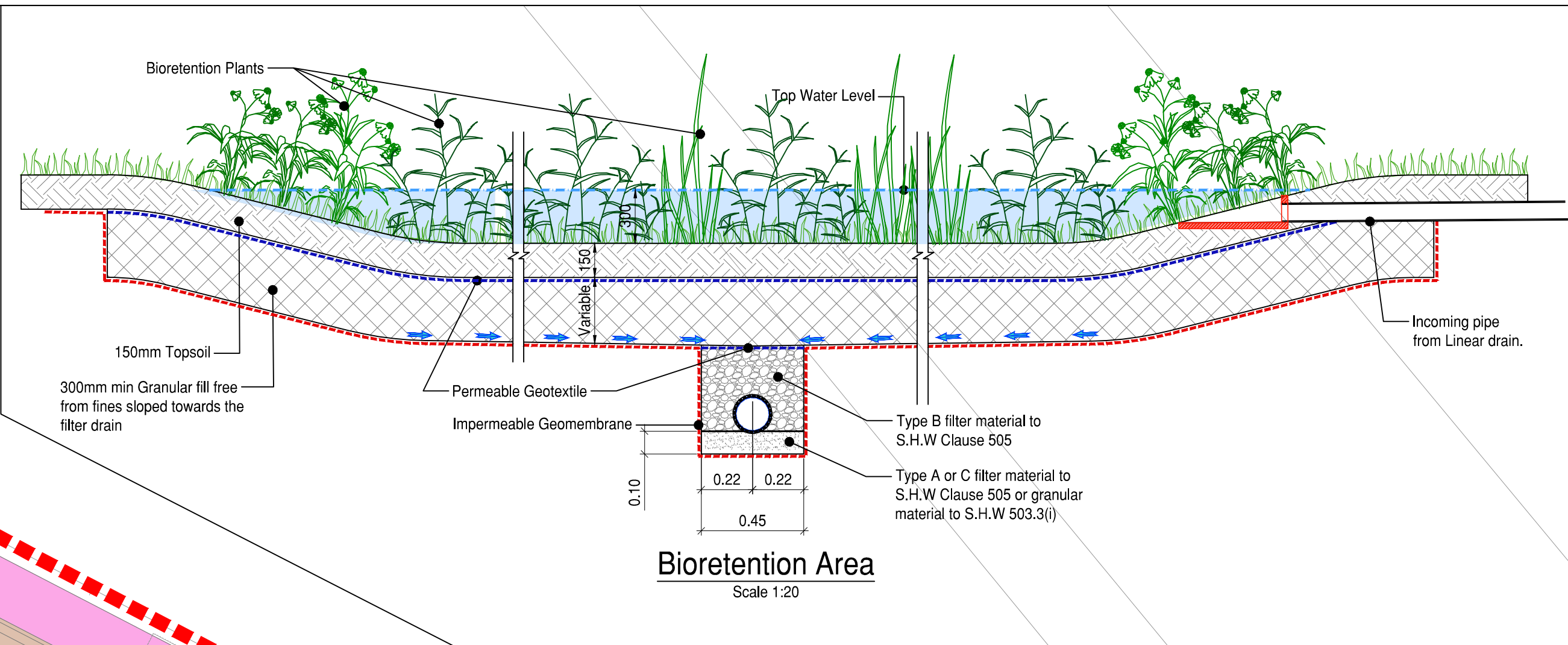
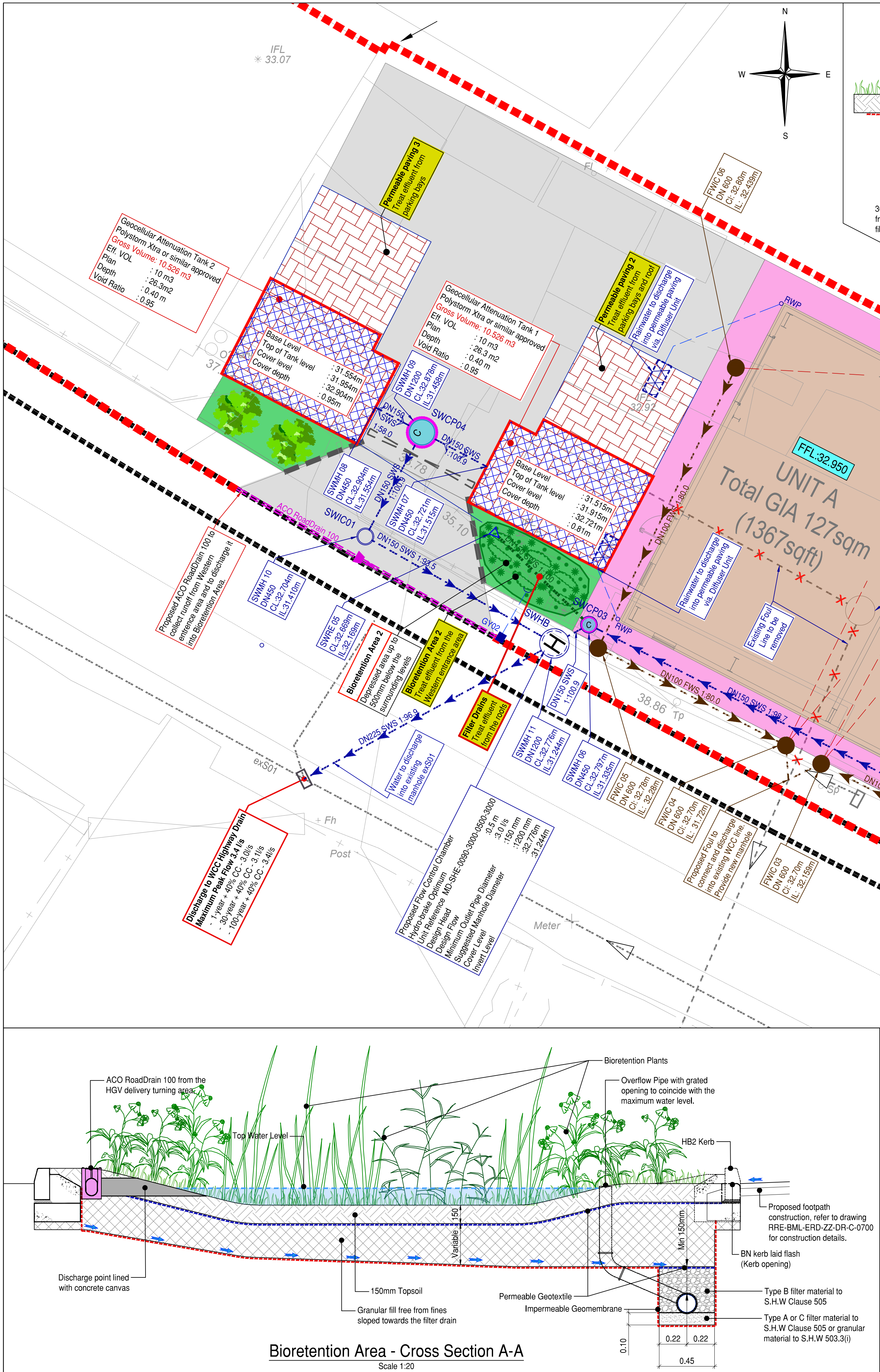




- Notes:**
- The contractor is to check all information provided prior to commencing the works and seek clarification from the engineer in respect to any ambiguities found.
 - Pipe materials shall be as follows:
Surface Water:
-150e to 225e - PolyPipe Polysewer PVCu pipes
-300e and above - PolyPipe Rigssewer PVCu pipes
Foul Water:
-All pipe materials shall be clayware Class 120 to BS EN 295
 - All drainage under trafficked areas must be backfilled with an approved graded granular material.
 - All chamber covers and gully tops shall be kite marked and comply with the strength / group requirements of BS EN 124.
 - Cover levels for chambers within landscaped areas shall be adjusted to match surrounding finished levels.
 - All new rainwater down pipes are to discharge into roddable connections.
 - All pipes to be benched within the chambers soffit to soffit.
 - Section 106 connection application to be sought and approved prior any connections to the public sewers.
 - All foul drainage pipes to be DN100 and all surface water pipes to be DN150 and laid at 1:100 or steeper (unless noted otherwise).
 - All foul SVP pipes to be laid at 1:40 or steeper, and 1:80 if at least one WC drains into the pipe.
 - Drainage chambers within areas paved with paving flags and block sets shall all have recessed covers.
 - Final position of all RWP's and SVP's to be confirmed.
 - Refer to Construction Details Drawings XXXX to XXXX for construction details of proposed drainage chambers, linear drains, pipes etc shown on this plan layout.

Drainage Key	
	Proposed Surface Water Sewer
	Proposed Surface Water Manhole
	Proposed Surface Water Inspection Chamber
	Proposed Ridgstorm Separate Catchpit
	Proposed DN150 RWP and Gully Connection
	Proposed Road Gully, refer to drawing RRN-BML-ERD-ZZ-DR-C-0501 for details.
	Proposed Hydro-brake Chamber. Refer to drawing RRN-BML-ERD-ZZ-DR-C-0501 for details.
	ACO RoadDrain 100 or similar approved
	Permavoid Diffuser Unit
	Proposed Foul Water Sewer
	Proposed Foul Water Manhole
	Proposed DN150 SVP
	Existing WW Surface Water Sewer
	Existing on-site Foul Sewer
	Site Boundary
	Assumed Finished Floor Level

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-0XXX

- 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:

	Proposed Site Boundary
	Proposed Two industrial units
	Proposed permeable pavement
	Proposed footways
	Proposed access road and yard
	Existing buildings

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	29/04/21	Preliminary Issue
Rev	By	Chkd	Date	Description

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Project
**R&R Engineering
Wrexham Industrial Estate**

Drawing
Combined Drainage Layout

Drawn by	DH	Date	29/04/21
Checked by	AM	Date	29/04/21
Drawing No.	RRN-BML-ERD-ZZ-DR-C-0500		
BML Job No.	1017-01		
Drawing Scale at A1:	1:200		
CAD Filename:			
Revision	P03		