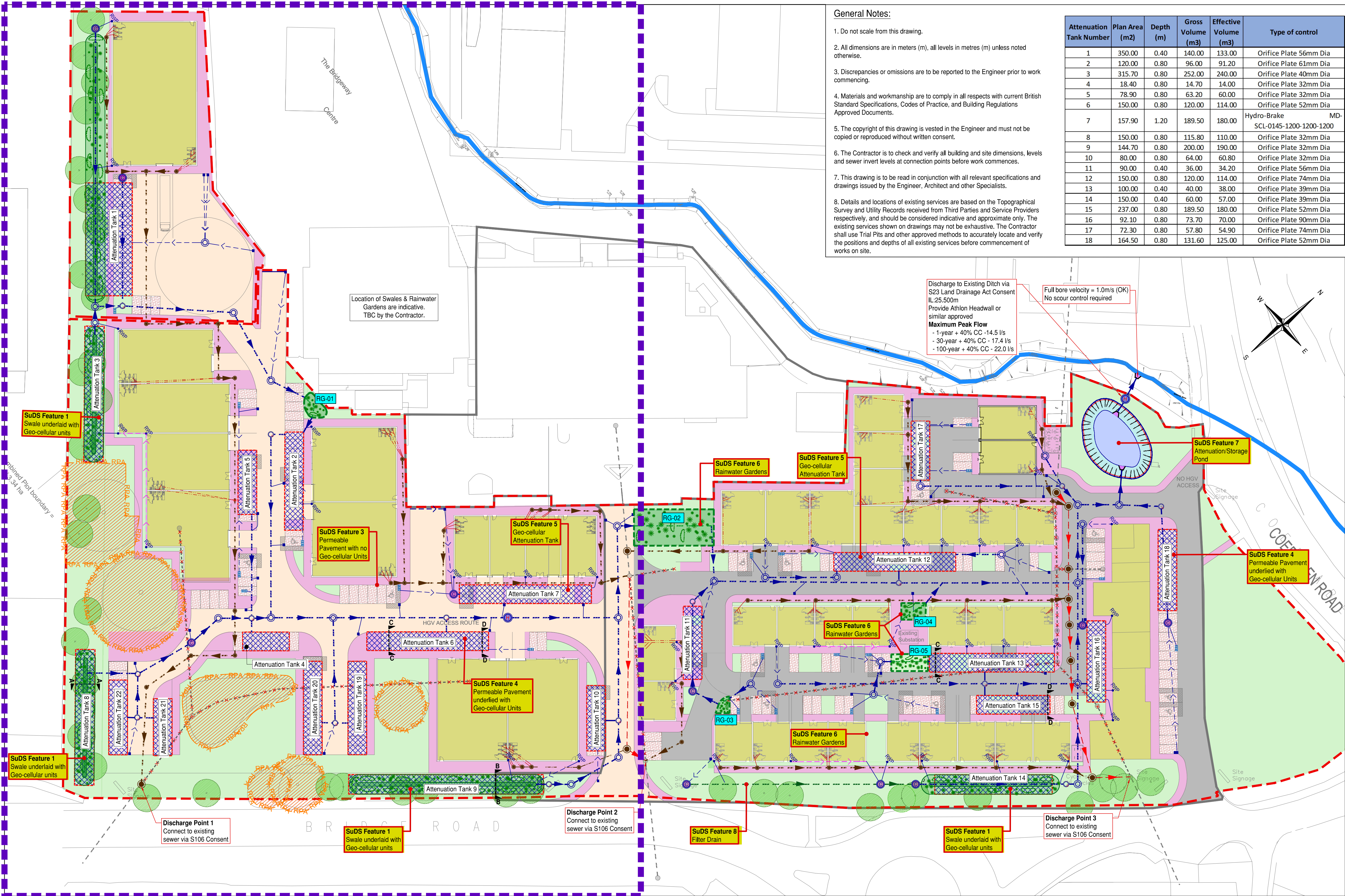




General Notes:

- 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.

Attenuation Tank Number	Plan Area (m2)	Depth (m)	Gross Volume (m3)	Effective Volume (m3)	Type of control
1	350.00	0.40	140.00	133.00	Orifice Plate 56mm Dia
2	120.00	0.80	96.00	91.20	Orifice Plate 61mm Dia
3	315.70	0.80	252.00	240.00	Orifice Plate 40mm Dia
4	18.40	0.80	14.70	14.00	Orifice Plate 32mm Dia
5	78.90	0.80	63.20	60.00	Orifice Plate 32mm Dia
6	150.00	0.80	120.00	114.00	Orifice Plate 52mm Dia
7	157.90	1.20	189.50	180.00	Hydro-Brake MD-SCL-0145-1200-1200-1200
8	150.00	0.80	115.80	110.00	Orifice Plate 32mm Dia
9	144.70	0.80	200.00	190.00	Orifice Plate 32mm Dia
10	80.00	0.80	64.00	60.80	Orifice Plate 32mm Dia
11	90.00	0.40	36.00	34.20	Orifice Plate 56mm Dia
12	150.00	0.80	120.00	114.00	Orifice Plate 74mm Dia
13	100.00	0.40	40.00	38.00	Orifice Plate 39mm Dia
14	150.00	0.40	60.00	57.00	Orifice Plate 39mm Dia
15	237.00	0.80	189.50	180.00	Orifice Plate 52mm Dia
16	92.10	0.80	73.70	70.00	Orifice Plate 90mm Dia
17	72.30	0.80	57.80	54.90	Orifice Plate 74mm Dia
18	164.50	0.80	131.60	125.00	Orifice Plate 52mm Dia

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

Drainage Key

	Proposed Surface Water Sewer
	Proposed Surface Water Manhole
	Proposed Ridgiform Separate Catchpit
	Proposed DN150 RWP and Gully Connection
	Proposed Rain Gutter
	Proposed Filter Drain
	Proposed Road Gully, refer to drawing BCW-BML-ERD-ZZ-DR-C-0501 for details.
	Proposed Hydro-Brake Chamber. Refer to drawing BCW-BML-ERD-ZZ-DR-C-0501 for details.
	Proposed Manhole with installed Orifice Plate on one of the pipes
	Permeable Diffuser Unit
	Proposed Foul Water Sewer
	Proposed Foul Water Manhole
	Existing WW Combined Sewer
	Existing WW Combined Sewer to be removed
	Diverted WW Combined Sewer
	Site Boundary
	Site Outline

P04	IW	AM	06/11/24	Updated to suit new masterplan
P03	IW	AM	17/07/24	Drainage details updated
P02	VI	AM	11/03/21	Surface Water Peak Flow reduced to Greenfield rate
P01	VI	AM	13/10/20	Preliminary Issue
Rev	By	Chkd	Date	Description

PRELIMINARY DRAWING
This drawing is not to be used for construction

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The Bridgeway Centre,
Bridgeway Road, Wrexham

Combined Drainage Layout

By/Chk'd	VI/AM	Date	13/10/20
Drawing No.	BCW-BML-ERD-ZZ-DR-C-0500	Revision	P04
BML Job No.	1000-01	Status	-
Drawing Scale at A1:	1:500		
CAD Filename:	Y:\Projects\1000-01-Bridgeway Centre, Wrexham\BML_Drainage\Working\DWG\BCW-BML-ERD-ZZ-DR-C-0500-P04.dwg		

Notes:

- 1. For Surface Water Manhole Schedule and Attenuation Tanks Schedule refer to drawing BCW-BML-ERD-ZZ-DR-C-0506
- 2. For cross-sections A-A, B-B, C-C, D-D and E-E refer to drawing number BCW-BML-ERD-ZZ-DR-C-0505

SuDS Drainage Features	
	Rainwater Garden
	Swale
	Attenuation/Storage Pond
	Attenuation Tank
	Hydrobrake Flow Control Chamber
	Permeable Paving

	Proposed Asphalt Access Road
	Proposed Asphalt Access Road suitable for HGV
	Proposed Permeable Paving
	Proposed Asphalt Footpath
	Existing and Proposed Green Areas
	Proposed Building
	Root protection Area
	Proposed Trees as per Architect's Layout (flexible to relocate based on the drainage strategy)