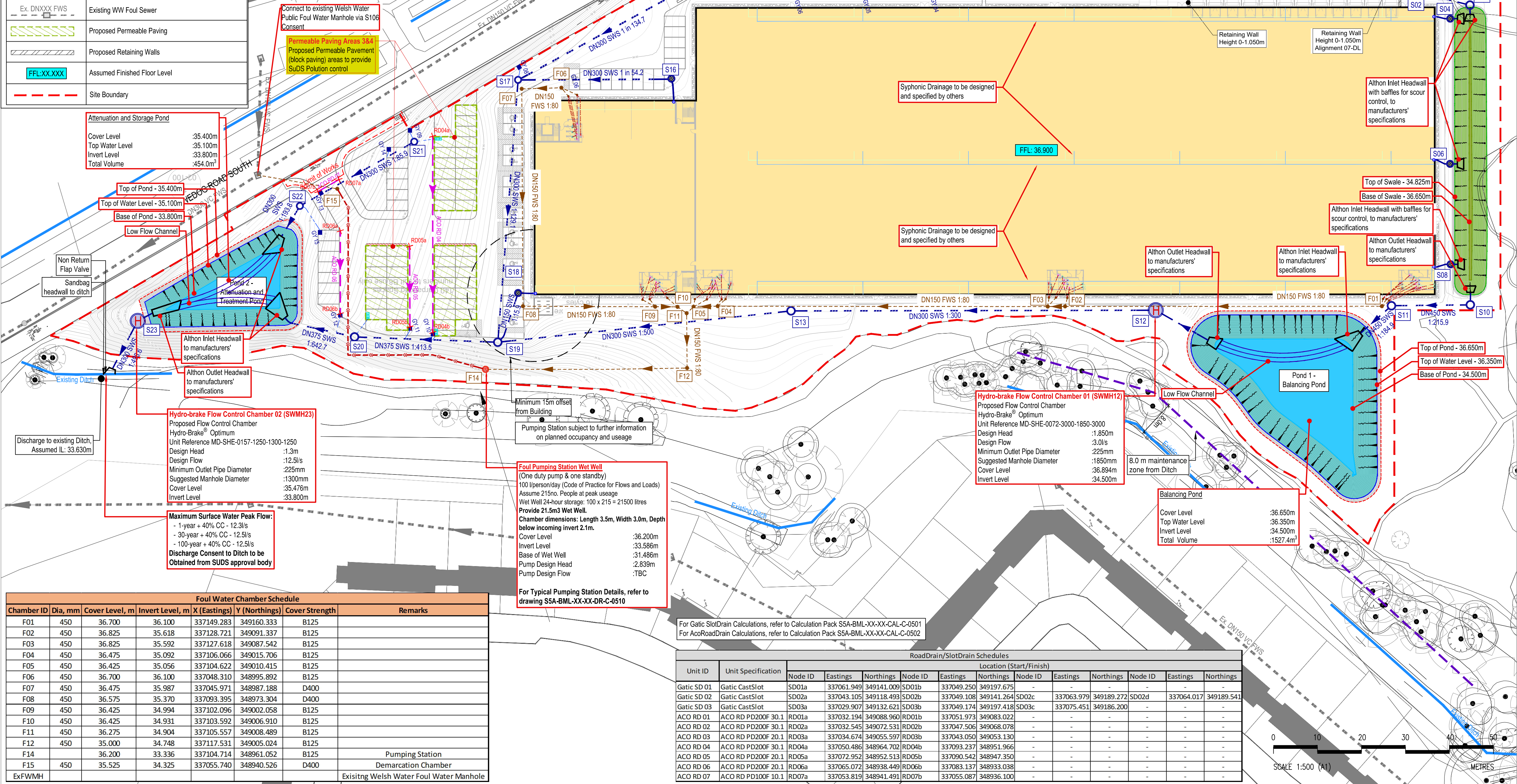


| Drainage Key |                                                                                              |
|--------------|----------------------------------------------------------------------------------------------|
|              | Proposed Surface Water Sewer                                                                 |
|              | Proposed Surface Water Manhole, refer to Drawing SSA-BML-XX-XX-DR-C-0500 for Details         |
|              | Proposed Vented Surface Water Manhole, refer to Drawing SSA-BML-XX-XX-DR-C-0500 for Details  |
|              | Proposed Surface Hydro Brake Chamber, refer to Drawing SSA-BML-XX-XX-DR-C-0500 for Details   |
|              | Proposed Ridgiform Separate Catchpit, refer to Drawing SSA-BML-XX-XX-DR-C-0500 for Details   |
|              | Syphonic Rainwater Pipe Locations                                                            |
|              | DN150 Gully/RWP Connector                                                                    |
|              | Proposed Permevoid Diffuser Unit, refer to Drawing SSA-BML-XX-XX-DR-C-0500 for Details       |
|              | Proposed Road Gully                                                                          |
|              | ACO RoadDrain - Refer to RoadDrain Schedule for Specifications                               |
|              | Gatic SlotDrain - Refer to RoadDrain Schedule for Specifications                             |
|              | Proposed Foul Sewer                                                                          |
|              | Proposed Foul Sewer Inspection Chamber, refer to Drawing SSA-BML-XX-XX-DR-C-0500 for Details |
|              | Proposed Rising Main                                                                         |
|              | Soil Vent Pipe Location                                                                      |
|              | DN150 SVP Connector                                                                          |
|              | Existing WW Water Sewer                                                                      |
|              | Existing WW Foul Sewer                                                                       |
|              | Proposed Permeable Paving                                                                    |
|              | Proposed Retaining Walls                                                                     |
|              | Assumed Finished Floor Level                                                                 |
|              | Site Boundary                                                                                |

| Surface Water Drainage - Chamber Schedule |        |                |                 |                                                   |                |                                                                                                                                                                                                                                                                                 |
|-------------------------------------------|--------|----------------|-----------------|---------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chamber ID                                | Dia, m | Cover Level, m | Invert Level, m | Chamber Coordinates<br>X (Eastings) Y (Northings) | Cover Strength | Remarks                                                                                                                                                                                                                                                                         |
| S01                                       | 1200   | 36.601         | 35.101          | 337056.168 349196.026                             | D400           | Precast Concrete Manhole                                                                                                                                                                                                                                                        |
| S02                                       | 1500   | 36.668         | 34.950          | 337083.183 349188.570                             | D400           | Precast Concrete Manhole                                                                                                                                                                                                                                                        |
| S03                                       | 1500   | 36.600         | 34.900          | 337089.433 349199.119                             | B125           | Precast Concrete Manhole                                                                                                                                                                                                                                                        |
| S04                                       | 1200   | 36.700         | 35.200          | 337091.084 349193.940                             | B125           | Precast Concrete Manhole - Provide Grilled/Vented Cover                                                                                                                                                                                                                         |
| S05                                       | 1500   | 36.600         | 34.898          | -                                                 | B125           | Althon Precast Headwall with Baffle Block - or similar approved                                                                                                                                                                                                                 |
| S06                                       | 1500   | 36.700         | 35.200          | 337122.721 349184.453                             | B125           | Precast Concrete Manhole - Provide Grilled/Vented Cover                                                                                                                                                                                                                         |
| S07                                       | 1200   | 36.600         | 34.875          | -                                                 | B125           | Althon Precast Headwall with Baffle Block - or similar approved                                                                                                                                                                                                                 |
| S08                                       | 1200   | 36.700         | 35.200          | 337144.637 349178.034                             | B125           | Precast Concrete Manhole - Provide Grilled/Vented Cover                                                                                                                                                                                                                         |
| S09                                       | 1500   | 36.600         | 34.856          | -                                                 | B125           | Althon Precast Headwall with Baffle Block - or similar approved                                                                                                                                                                                                                 |
| S10                                       | 1500   | 36.600         | 34.850          | 337154.745 349179.694                             | B125           | Precast Concrete Manhole                                                                                                                                                                                                                                                        |
| S11                                       | 1500   | 36.700         | 34.750          | 337149.591 349161.732                             | B125           | Precast Concrete Manhole - Outlet leading to Althon Precast Inlet Headwall to Pond 1 with Baffle Block - or similar approved                                                                                                                                                    |
| S12                                       | 1500   | 36.894         | 34.500          | 337135.447 349110.840                             | B125           | Hydro-brake chamber with an overflow pipe set at IL 36.350m, Pass forward flow: 3.0 l/s maximum.                                                                                                                                                                                |
| S13                                       | 1200   | 36.447         | 34.211          | 337111.862 349031.375                             | B125           | Inlet to Hydro-brake Chamber from Althon Precast Outlet Headwall, from Pond 1 - or similar approved.                                                                                                                                                                            |
| S14                                       | 1200   | 36.600         | 35.250          | 337052.058 349091.830                             | D400           | Precast Concrete Manhole                                                                                                                                                                                                                                                        |
| S15                                       | 1200   | 36.563         | 34.876          | 337052.058 349091.830                             | D400           | Precast Concrete Manhole                                                                                                                                                                                                                                                        |
| S16                                       | 1200   | 36.683         | 35.183          | 337053.495 349020.441                             | D400           | Precast Concrete Manhole - Provide Grilled/Vented Cover                                                                                                                                                                                                                         |
| S17                                       | 1200   | 36.383         | 34.538          | 337043.788 348986.976                             | D400           | Precast Concrete Manhole                                                                                                                                                                                                                                                        |
| S18                                       | 1200   | 36.559         | 35.209          | 337090.206 348973.099                             | D400           | Precast Concrete Manhole - Provide Grilled/Vented Cover                                                                                                                                                                                                                         |
| S19                                       | 1500   | 36.272         | 33.985          | 337099.601 348965.480                             | B125           | Precast Concrete Manhole - Outlet leading to Althon Precast Inlet Headwall to Pond 2 with Baffle Block - or similar approved                                                                                                                                                    |
| S20                                       | 1500   | 35.675         | 33.876          | 337089.125 348934.624                             | B125           | Precast Concrete Manhole                                                                                                                                                                                                                                                        |
| S21                                       | 1200   | 35.880         | 34.380          | 337050.482 348960.332                             | D400           | Precast Concrete Manhole                                                                                                                                                                                                                                                        |
| S22                                       | 1200   | 35.533         | 34.033          | 337057.043 348931.252                             | D400           | Precast Concrete Manhole                                                                                                                                                                                                                                                        |
| S23                                       | 1500   | 35.476         | 33.800          | 337071.530 348888.460                             | B125           | Hydro-brake chamber with an overflow pipe set at IL 35.100m, Pass forward flow: 12.5 l/s maximum. Inlet to Hydro-brake Chamber from Althon Precast Outlet Headwall, from Pond 2 - or similar approved. Outlet from Hydro-brake Chamber to existing ditch - or similar approved. |

| Gully Schedule |            |            |                           |
|----------------|------------|------------|---------------------------|
| Gully ID       | Eastings   | Northings  | Remarks                   |
| GV01           | 337049.250 | 349197.675 | Collector for Gatic SD 03 |
| GV02           | 337064.017 | 349189.541 | Collector for Gatic SD 02 |
| GV03           | 337075.451 | 349186.200 | Collector for Gatic SD 01 |
| GV04           | 337052.368 | 349082.904 | Collector for ACO RD 01   |
| GV05           | 337047.901 | 349067.960 | Collector for ACO RD 02   |
| GV06           | 337043.445 | 349053.014 | Collector for ACO RD 03   |
| GV07           | 337032.85  | 349024.64  | -                         |
| GV08           | 337041.062 | 348988.024 | -                         |
| GV09           | 337047.735 | 348960.147 | -                         |
| GV10           | 337093.632 | 348951.849 | Collector for ACO RD 04   |
| GV11           | 337090.937 | 348947.232 | Collector for ACO RD 05   |
| GV12           | 337083.532 | 348932.920 | Collector for ACO RD 06   |
| GV13           | 337055.578 | 348936.671 | Collector for ACO RD 07   |
| GV14           | 337050.501 | 348954.305 | -                         |
| GV15           | 337064.119 | 348933.928 | -                         |



**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:

- General Notes:
- Do not scale from this drawing.
  - All dimensions are in millimetres (mm), 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.
  - For Pond and Swale section details refer to drawing: SSA-BML-XX-XX-DR-C-0502.

Contractor to note potential UXO risk. Detailed Unexploded Ordnance Threat & Risk Assessment has been produced by Landmark Information Group and Alpha Associates Special Risks Consultancy. Refer to report S1671-5b by SP Associates.  
All Risk mitigation proposals including specific method statements to address risks identified are to be followed as per the UXO report.

|     |           |          |                                                  |
|-----|-----------|----------|--------------------------------------------------|
| P06 | RA/AM     | 07/02/23 | Various display and drainage information changes |
| P05 | RA/AM     | 26/01/23 | Updated to match detailed design                 |
| P04 | RA/AM     | 11/07/22 | Amendment to Proposed Foul Drainage              |
| P03 | DH/AM     | 09/07/22 | Foul Strategy Revised                            |
| P02 | MR/AM     | 23/09/21 | Foul Sewers Updated                              |
| P01 | DH/AM     | 17/09/21 | Preliminary Issue                                |
| Rev | By / Chkd | Date     | Description                                      |

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

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Project  
**Site 5a, Wrexham**

Drawing  
**Combined Drainage Layout**

|                      |                                                                         |          |          |
|----------------------|-------------------------------------------------------------------------|----------|----------|
| By                   | DH/AM                                                                   | Date     | 03/09/21 |
| Drawing No.          | SSA-BML-XX-XX-DR-C-0500                                                 | Revision | P06      |
| BML Job No.          | 1000-02                                                                 | Status   | -        |
| Drawing Scale at A1: | 1:500                                                                   |          |          |
| CAD Filename:        | Y:\Project\0502\Site 5a Wrexham\Information\SSA-BML-XX-XX-DR-C-0500.dwg |          |          |