



Key:

- Site Boundary
- Indicative Location of Proposed Surface Water Sewer (Pipe Diameter Ø (mm), Gradient, Length (m), number)
- Indicative Location of Proposed Surface Water Manhole (Manhole Number, Cover Level, Invert Level)
- ⊗ Indicative Location of Proposed Flow Control Device
- Indicative Location of Proposed Attenuation Basin with Earthworks Buffer and 3m Maintenance Easement

Catchment	Developable Area (m²)	Total Impermeable Area Including 10% Urban Creep Allowance (m²)	Proposed Discharge Rate (l/s)	Proposed Attenuation Volume (m³)	Proposed Attenuation Area (m²)
1.001	2083.421	1375.058	7.5	3165	3650
1.003	192.545	127.079			
1.005	904.572	597.018			
1.006	939.324	619.954			
1.007	1379.982	910.788			
1.010	1468.989	969.533			
1.012	2535.688	1673.564			
1.013	569.564	375.912			
1.014	673.623	444.591			
1.015	260.819	172.141			
2.000	1476.402	974.425			
2.001	593.155	391.482			
2.002	1674.981	1105.487			
2.003	1186.547	783.121			
3.000	1316.062	868.601			
4.000	742.039	489.746			
4.001	487.344	321.647			
4.002	208.485	137.600			
4.003	3748.028	2473.698			
4.004	875.78	578.015			
5.001	770.889	508.787			
6.000	1042.965	688.357			
6.001	1027.77	678.328			
7.001	2021.645	1334.286			
8.000	1082.72	714.595			
9.000	1160.427	765.882			
9.001	1943.279	1282.564			
9.002	1174.741	775.329			
9.003	1604.77	1059.148			
10.000	1368.101	902.947			
1.017	3650.000	3650.000			
Total	40164.66	27749.673	7.5	3165	3650

- CDM Note
- These drawings have been produced with reference to the CDM Regulations 2015. Please note that these are pre-construction phase drawings and should be subject to further design risk management as required in accordance with Regulation 9.
- Notes:
- This drawing is not to be reproduced in any part or form without the consent of PJA Environment Ltd. All copyright reserved.
 - An indicative assessment of earthworks and levels for the Site based on the current iteration of the masterplan has been undertaken at this time to inform indicative levels for the proposed drainage network. These levels are subject to change as the masterplan develops and confirmation at Detailed Design and Reserved Matters.
 - No consideration of constraints including; arboricultural, ecology, or utilities has been undertaken at this time.
 - Drawing should be read in conjunction with all other relevant drawings.
 - Drawing includes:
 - Topographic Survey provided by Corner Point Surveys Limited in May 2025.
 - OS Mapping provided by Stantec in May 2025.
 - Site Layout provided by Stantec in October 2025 (Ref. 333102301-STN-GEN-SW-DR-MP-PS01D - Illustrative Masterplan)
 - Surface Water Flood Risk Extents provided by the Environment Agency in May 2025.
 - Consideration has not been given to the impacts of a surcharged outfall.
 - Indicative Surface Water Drainage Strategy assumes:
 - Attenuation Basin 01 is 1.5m deep with 1:4 side slopes (including 300mm freeboard).
 - 3m maintenance easement provided around the proposed attenuation basin.
 - 60% impermeable for residential area, 100% impermeable for proposed attenuation basin.
 - 10% additional allowance applied to residential impermeable areas to account for urban creep.
 - 300mm freeboard provided for the attenuation basin up to and including the 1 in 100-year plus 45% climate change event.
 - FEH 22 Data
 - Cv value of 1 applied.
 - A 1 in 1 Year Greenfield Runoff Rate of 4.20l/s/ha has been calculated for the Site, a discharge rate of 2.94l/s/ha is proposed for the Site based on Wiltshire Council Guidance which requires a 30% Betterment on Qbar rates for discharge.
 - Drainage network shown is indicative at this stage and subject to future changes in line with alterations to the masterplan and proposals.



Modelled as manhole in network model but proposed to be built as headwall. Manhole not considered to provide additional attenuation volume within network.

Discharge rate from Site restricted to 7.5l/s for all events from 1 in 1 Year up to 1 in 100 Year plus 45% Climate Change Allowance

Modelled as manhole in network model but proposed to be built as headwall. Manhole not considered to provide additional attenuation volume within network.

Dummy pipes included within network model for connectivity. Not considered to provide additional attenuation volume within model.

Basin 01:
Depth: 1.5m Deep with 1:4 Side Slopes
Indicative CL: 124.60mAOD
Indicative IL: 123.10mAOD
Indicative Storage Volume: 3165m³
Indicative Storage Area: 3650m²

Modelled as manhole in network model but proposed to be built as headwall. Manhole not considered to provide additional attenuation volume within network.

Ponded area containing permanent water level (minimum 600mm)