

Note

- Outline drainage design shown only.
- Manhole and inspection chamber locations, size and depths to be confirmed at detailed design stage.
- Pipe sizes, gradients and depths to be confirmed at detailed design stage.
- Foul water downpipes to be confirmed at detailed design stage.
- Rainwater pipes, external gullies and channel drains to be confirmed at detailed design stage.

	Permeable Paving System Paving system for surface water to percolate from roads, footpaths and car parks to 300mm deep, 20mm no fines aggregate sub-base, wrapped in permeable membrane to encourage infiltration. Perforated pipe to be in sub-base to convey percolated water to main network at a reduced rate.
	Swales / Ponds Swales / Ponds to be used for attenuation and to take surface water run-off from external and roof areas. Sales / ponds to have 1 in 3 side gradients, with each band shown indicating a depth of 200mm. Surface water to surcharge sales / ponds in extreme storm events, and store water to prevent flooding. Granular trench with perforated pipe to run below sales / ponds to evenly convey attenuated surface water.
	Filter Drains / Raingardens Filter drains / raingardens to be in the form of 500mm deep granular trenches below the landscape areas around the perimeter of the building / external hard standing areas. Granularity trench to comprise of 20mm no fines aggregate and perforated pipe. Surface water run-off from external and roof areas to discharge to filter drain / raingarden, prior to discharge to the main drainage network, via the perforated pipe
	Green Roofs Green roof at podium / roof level. Green roof to reduce surface water run-off from building areas, act as a pollutant control and add biodiversity to the development.

Drainage Legend

	Proposed SW Drainage Pipe
	Proposed FW Drainage Pipe
	Existing SW Sewer
	Existing FW Sewer
	Flood Flow Path

P3	Site Plan Amended
P2	Site Plan Amended
P1	Issued for Planning
Rev.	Description

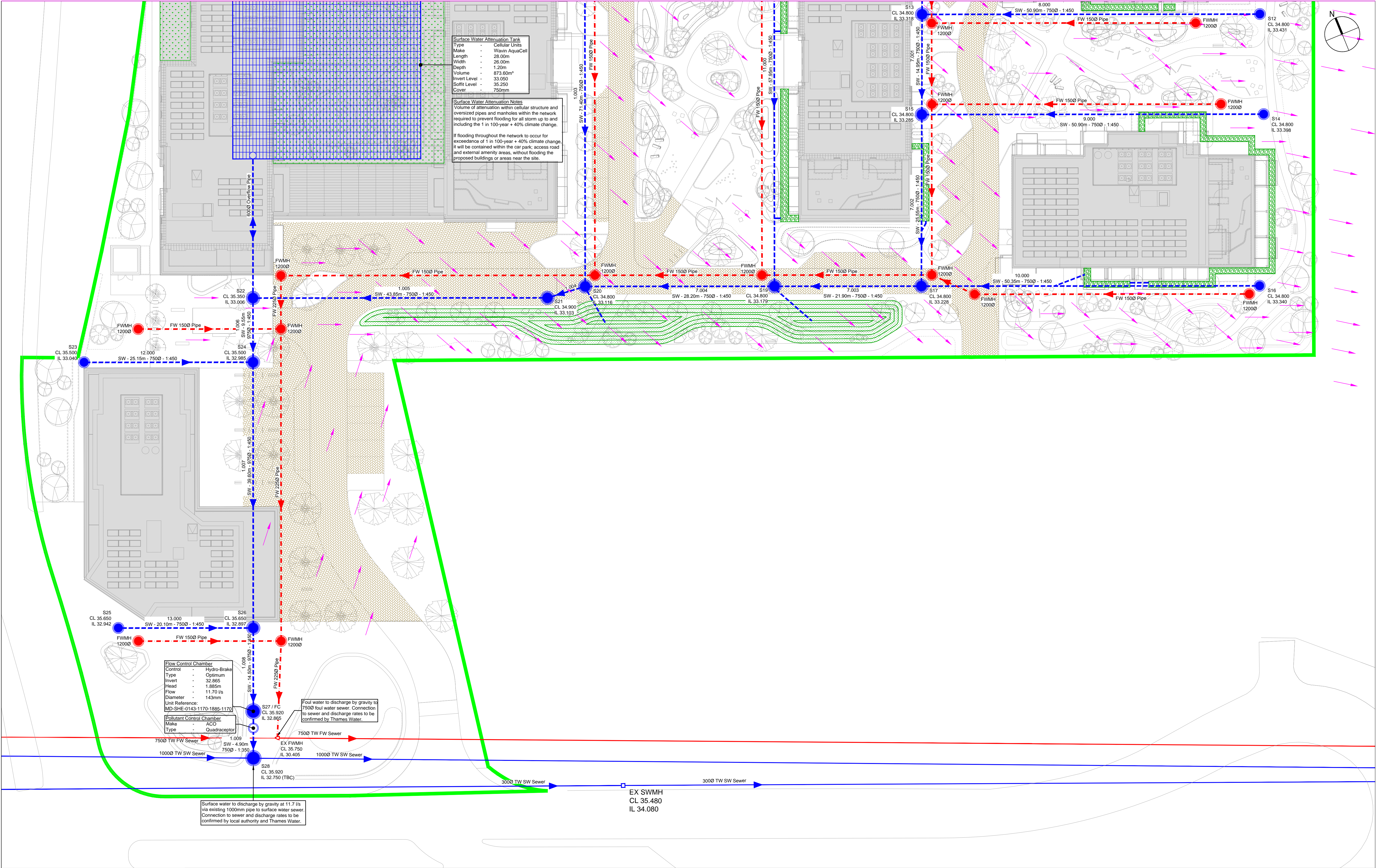
04.10.19	Hillingdon Gardens				
11.09.19	Drawn	Checked	Approved	Date	Scale
21.08.19					
Date	MDS	GC	RS	21.08.19	1:250@A1

Drawing Title

Outline Drainage Strategy Sheet - 1 of 2		
Drawing Status		
Planning		
Project No.	Drawing No.	Revision
10203	GA-601	P3

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- Proposed SW Drainage Pipe
- Proposed FW Drainage Pipe
- Existing SW Sewer
- Existing FW Sewer
- Flood Flow Path

P2	Site Plan Amended
P1	Issued for Planning
Rev.	Description

11.09.19	Date
21.08.19	Date
11.09.19	Date

Client

Inland Homes

Project

Hillingdon Gardens

Drawn	Checked	Approved	Date	Scale
MDS	GC	RS	21.08.19	1:250@A1

Drawing Title

Outline Drainage Strategy Sheet - 2 of 2

Drawing Status

Planning

Project No.	Drawing No.	Revision
10203	GA-602	P2

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