Openshaw Campus SUDs management and maintenance

SUSTAINABLE DRAINAGE AND LANDSCAPE MANAGEMENT PLAN FOR OPENSHAW CAMPUS, MANCHESTER COLLEGE

1.0 SUDs are an environmentally friendly approach to managing rainfall that uses landscape features to deal with surface water.

2.0 SUDs aim to: • Control the flow, volume and frequency of water leaving a development area • Prevent pollution by intercepting silt and cleaning runoff from hard surfaces • Provide attractive surroundings for the community • Create opportunities for wildlife.

3.0 A shallow trench, pond and small bank has been constructed along the car park perimeter along the entrance to the college as an attenuation method. When water flows down the route of car park bays it collects in the concrete channels and gullies that ring the car park. this passes through the SUDs trench to attenuate and control the flow to the mains outfall. the outfall is also controlled with a flow restrictor.

4.0 The everyday flow from Car park has been directed via channels and gullies via the SUDs trench to attenuate to control the flow into the outfall.• The controlled outfall allows heavy rainfall to leave the Car park slowly and make its way through green space along the car park. Water will slowly soak into the ground as it travels along the SUDs system but in exceptional storms some water may overflow but will be controlled due to the inclusion of a flow control in the main outfall chamber.

5.0 Maintenance of the system includes -

Regular day to day care –
Litter collection, grass cutting and checking the inlets and outlets where water enters or leaves a SUDs feature.
Ensure channels and gullies are free from litter and vegetation to allow a clean flow.
Regular inspection of the main outlets and flow control. It is recommended that all outlets are inspected every three months with provision made for cleaning at least once per year.
More occasional tasks - managing pond vegetation and removing any silt that builds up. Whilst this can be affected by climatic conditions it is recommenced that pond vegetation is dealt with annually with silt being removed on at least a two year cycle.
Maintain a management and maintenance log recording each activity and review on an annual basis.

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