



TOPPING ENGINEERS

CONSULTING CIVIL &
STRUCTURAL ENGINEERS

Drainage Maintenance Strategy

LOCATION:

Development at Hawshaw Bank
Hoyland
Barnsley

CLIENT:

Newman Group Ltd

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1.0 Drainage Maintenance Strategy 3

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1.0 DRAINAGE MAINTENANCE STRATEGY

In order to ensure optimum operation of the drainage network and that they will operate within the designed parameters for the life of the development, regular inspections and maintenance of the various drainage elements are required.

The maintenance strategy should incorporate various tasks including litter and debris collection, inspection of inlets, outlets, control/devices, grass cutting and general landscape maintenance.

The maintenance schedule below should be adopted and integrated with the general site care as part of an overall site management plan.

It is intended for the surface water and high level foul drainage to be adopted by Yorkshire Water, and the road gullies by the local authority highways department.

Any remaining drainage will be the responsibility of the property owners within the curtilage of their site.

In all instances, inspection and clearing of deep chambers or works on the foul drainage is to be carried out only by suitably trained personnel or specialist contractor following the guidelines given in BS EN 752 Part 7 "Maintenance and Operations" and "Safe Working in Sewers" published by the national Joint Health and Safety Committee for the Water Services.

Silt traps are to be incorporated into the chamber upstream of any attenuation tanks to intercept any debris and detritus.

Attenuation Tank

Maintenance Schedule	Required Action	Frequency
Regular Maintenance	Inspect and identify areas that are not operating correctly. If required take remedial action	Monthly for the first 3 months of operation then annually
	Recover debris from catchment surface area where it may cause risk to performance	Monthly
	Remove sediment and debris from pre-tank system	Annually
Remedial Actions	Repair inlets/outlets/vents/overflows	As necessary
Monitoring	Inspect all inlets/outlets and upstream drainage system to ensure they are in good condition and operating as designed	Annually
	Survey inside of tank for sediment and build up and remove if necessary	Every 5 years

Hydrobrake Manhole

Maintenance Schedule	Required Action	Frequency
Regular Maintenance	Remove sediment and debris from flow control chambers and upstream manholes	Monthly for first 12 months then 6 monthly
Remedial Actions	Replace or clean hydrobrake if performance deteriorates or failure occurs	As necessary
Monitoring	Check flow control to ensure emptying is occurring	Quarterly and post high intensity storm event

These are the recommended maintenance intervals, however Yorkshire Water and the Highway authority will have their own inspection and maintenance regime for the adopted parts of the network.

ACO Channel/Gullies

Maintenance Schedule	Required Action	Frequency
Regular Maintenance	Remove sediment and debris from gullies and channel drain	Quarterly

Prepared by



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