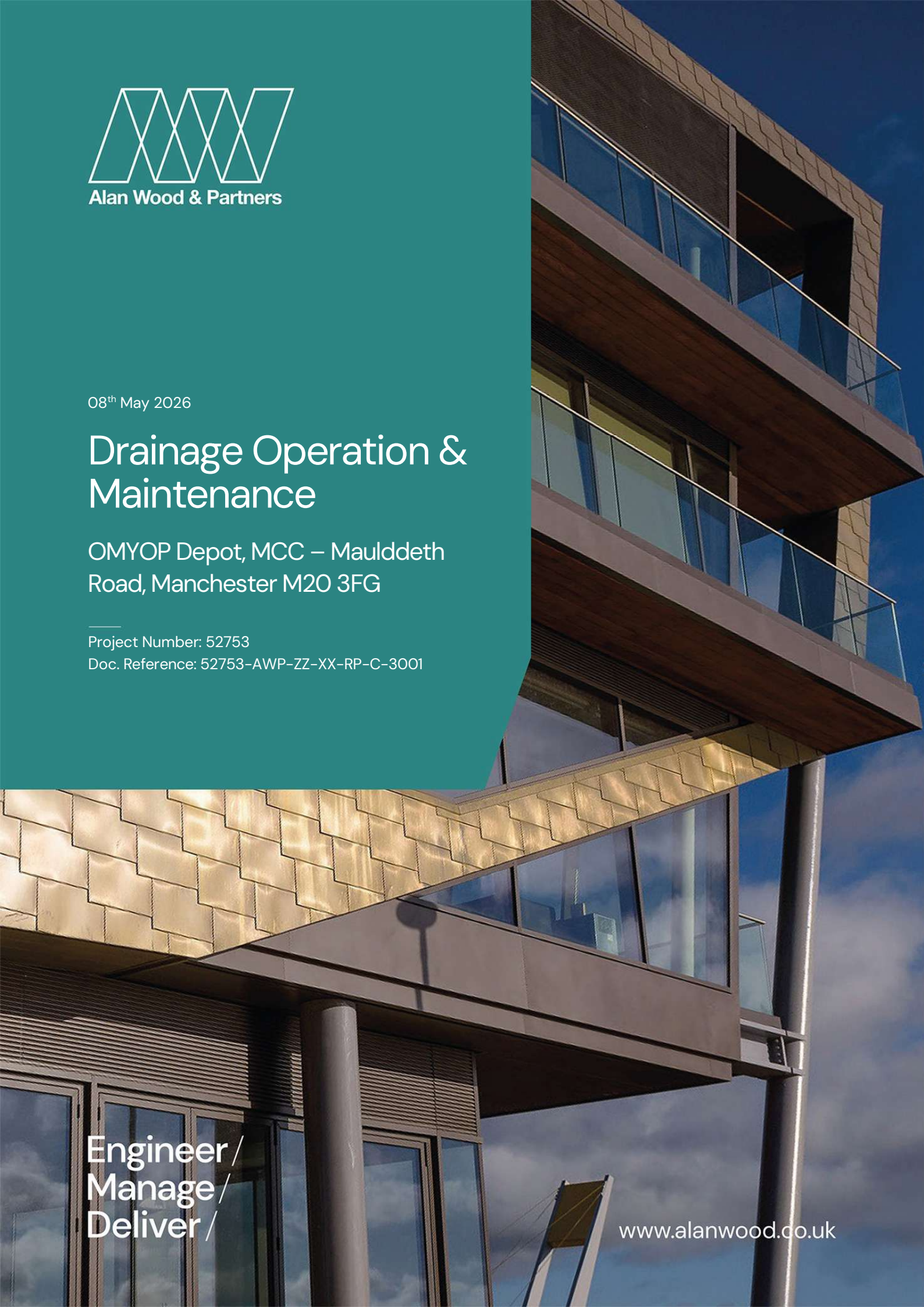
Alan Wood & Partners

08th May 2026

Drainage Operation & Maintenance

OMYOP Depot, MCC – Maulddeth Road, Manchester M20 3FG

Project Number: 52753
Doc. Reference: 52753-AWP-ZZ-XX-RP-C-3001



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1.0 Introduction

A new building is proposed to the existing site at OMYOP Depot. This includes a new building and car park area.

Premier Modular Limited commissioned Alan Wood and Partners to undertake the drainage design for the scheme. this technical note stipulates the operation and maintenance requirements and responsibilities for the SuDS elements of the proposed drainage systems

2.0 Proposed Drainage Components

The proposed drainage design consists of silt traps, trapped gullies, traditional manholes and pipes, Orifice flow control device, and surface water attenuation storage tank consisting of cellular crates.

The drainage design is shown on Alan Wood and partners drawings; reference 52753-AWP-ZZ-XX-D-C-3000 Drainage layout, along with the associated detail drawings.

3.0 Operation and Maintenance

Operation and maintenance requirements of the drainage components, as listed above, should be undertaken in accordance with Chapter 32 of the CIRIA C753 SuDS Manual, along with the relevant tables as included below and any relevant manufacturers recommendations. See also: BS 8582:2013 Code of Practice for Surface Water Management for Developer Sites Section 11, and Susdrain Fact Sheet on SuDS Maintenance and Adoption Options (England) dated September 2015

The responsibility for the operations and maintenance of the drainage SuDS will lie with the Scout Trust and will not be adopted by a public body / statutory undertaker. An initial pre-handover inspection should be undertaken once construction is completed to ensure that this have been constructed as designed.

The staff undertaking the maintenance should have appropriate experience of SuDS and drainage maintenance and should be capable of keeping sufficient detailed records of any inspections. An example of a checklist for SuDS maintenance can be found within Appendix B of the CIRIA C753 SuDS manual V2. If staff do not have appropriate experience, then specific inspection visits may be necessary. During the first year of operation f SuDS, inspections should usually be carried out at least monthly (and after significant storm events)

4.0 Maintenance Schedules

Operation and maintenance requirements for the silt traps and trapped gullies is set out in Table 1 below.

Operation and Maintenance Requirements for Silt Traps/Trapped Gullies (Based on CIRIA C753 Table 14.2)

Maintenance schedule	Required action	Typical frequency
Routine maintenance	Remove litter and debris and inspect for sediment, oil and grease accumulation	6 monthly
	Change the filter media	As recommended by manufacturer
	Remove sediment, oil, grease and floatables	As necessary – indicated by system inspections or immediately following significant spill
Remedial actions	Replace malfunctioning parts or structures	As required
Monitoring	Inspect for evidence of poor operation	6 monthly
	Inspect filter media and establish appropriate replacement frequencies	6 monthly
	Inspect sediment accumulation rates and establish appropriate removal frequencies	Monthly during first half year of operation, then every 6 months
*During the first year of operation, inspections should be carried out at least monthly (and after significant storm events) to ensure that the system is functioning as designed and that no damage is evident.		

Operation and maintenance requirements for the attenuation storage tank is set out in Table 2 below.

Operation and Maintenance Requirements for Attenuation Storage Tank (Based on CIRIA C753 Table 21.3)

Maintenance schedule	Required action	Typical frequency
Regular maintenance	Inspect and identify any areas that are not operating correctly. If required, take remedial action.	Monthly for 3 months, then annually
	Remove debris from the catchment surface (where it may cause risks to performance)	Monthly
	Remove sediment from pre-treatment structures.	Annually, or as required.
Remedial actions	Repair/rehabilitate inlets, outlet, overflows and vents	As required
Monitoring	Inspect/check all inlets, outlets, vents and overflows to ensure that they are in good condition and operating as designed	Annually*
	Survey inside of tank for sediment build-up and remove if necessary	Every 5 years or as required*
*During the first year of operation, inspections should be carried out at least monthly (and after significant storm events) to ensure that the system is functioning as designed and that no damage is evident.		

Operation and maintenance requirements for the attenuation lagoon are set out in Table 3 below.

Operation and Maintenance Requirements for pervious pavements (Based on CIRIA C753 Table 20.15)

Maintenance schedule	Required action	Typical frequency
Regular maintenance	Brushing and vacuuming (standard cosmetic sweep over whole surface)	Once a year, after autumn leaf fall, or reduced frequency as required, based on site-specific observations of clogging or manufacturer's recommendations – pay particular attention to areas where water runs onto pervious surface from adjacent impermeable areas as this area is most likely to collect the most sediment
Occasional maintenance	Stabilise and mow contributing and adjacent areas	As required
	Removal of weeds or management using glyphospate applied directly into the weeds by an applicator rather than spraying	As required – once per year on less frequently used pavements
Remedial actions	Remediate any landscaping which, through vegetation maintenance or soil slip, has been raised to within 50 mm of the level of the paving	As required
	Remedial work to any depressions, rutting and cracked or broken blocks considered detrimental to the structural performance or a hazard to users, and replace lost jointing material	As required
	Rehabilitation of surface and upper substructure by remedial sweeping	Every 10 to 15 years or as required (if infiltration performance is reduced due to significant clogging)
Monitoring	Initial inspection	Monthly for three months after installation
	Inspect for evidence of poor operation and/or weed growth – if required, take remedial action	Three-monthly, 48h after large storms in first six months
	Inspect silt accumulation rates and establish appropriate brushing frequencies	Annually
	Monitor inspection chambers	Annually
*During the first year of operation, inspections should be carried out at least monthly (and after significant storm events) to ensure that the system is functioning as designed and that no damage is evident.		

Should a vortex flow control valve be required, then this should be maintained as set out in Table 4 below

Operation and Maintenance Requirements for Vortex Flow Control Device (Based on Manufacturer's recommendations)

Maintenance schedule	Required action	Typical frequency
Routine maintenance	Remove litter and debris and inspect for sediment, oil and grease accumulation	6 monthly
	Remove sediment, oil, grease and floatables	As necessary – indicated by system inspections or immediately following significant spill
Remedial actions	Replace malfunctioning parts or structures	As required
Monitoring	Inspect for evidence of poor operation	Monthly during the first three months, then every 6 months
	Inspect sediment accumulation rates and establish appropriate removal frequencies	Monthly during first half year of operation, then every 6 months

The orifice outlet should be regularly maintained as set out in Table 5 below.

Operation and Maintenance Requirements for Orifice Flow Control

Maintenance schedule	Required action	Typical frequency
Routine maintenance	Remove litter and debris and inspect for sediment, oil and grease accumulation	6 monthly
	Remove sediment, oil, grease and floatables	As necessary – indicated by system inspections or immediately following significant spill
Remedial actions	Replace malfunctioning parts or structures	As required
Monitoring	Inspect for evidence of poor operation	Monthly during the first three months, then every 6 months
	Inspect sediment accumulation rates and establish appropriate removal frequencies	Monthly during first half year of operation, then every 6 months

The operations and maintenance for the geo-cellular crates should be regularly maintained as set out in Table 6 below.

Operation and Maintenance Requirements for Geo-cellular/modular Systems

Maintenance Schedule	Required Action	Recommended Frequency
Regular Maintenance	Inspect and identify areas that are not operating correctly. If required, take remedial action.	Monthly for 3 months, then six monthly.
	Debris removal from catchment surface (where may cause risks to performance).	Monthly.
	Where rainfall infiltrates to blocks from above, check surface of filter for blockage by silt, algae or other matter. Remove and replace surface infiltration medium as necessary.	Monthly (and after large storms).
	Remove sediment from pre-treatment structures.	Annually, or as required.
Remedial Actions	Repair-rehabilitation of inlets, outlet, overflows and vents.	As required.
Monitoring	Inspect/check all inlets, outlet, vents and overflows to ensure that they are in good condition and operating as designed.	Annually and after large storms.

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