

3G ARTIFICIAL TURF PITCH (3G ATP) AND CAR PARK
EAST BIERLEY COMMUNITY SPORTS ASSOCIATION

SURFACE WATER DRAINAGE MANAGEMENT AND MAINTENANCE PLAN

S23-314
MAY 2024

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DOCUMENT CONTROL

Project Title	3G Artificial Turf Pitch (3G ATP) and Car Park
Document Title	Surface Water Drainage Management and Maintenance Plan
Client	East Bierley Community Sports Association
Project Number	S23-314
Note	Plans included in this statement should not be scaled - please refer to scaled plans included with application pack

REVISION HISTORY

Revision	Description	Issued By	Date	Status
.00	Planning Issue	TB	29 05 2024	For Approval

1 REQUIREMENT

This surface water drainage management and maintenance plan concerns the proposed installation of a 3G Artificial Turf Pitch (3G ATP) and car park at:

East Bierley Community Sports Association
East Bierley Playing Fields
Birkenshaw
Bradford
BD4 6PU

This Plan satisfies the requirement of condition no.24 of planning permission 2021/62/90357/E which requires:

Prior to any part of the development hereby approved being brought into first use (unless it is demonstrated with the written agreement of the Local Planning Authority that phased provision of drainage is appropriate and can be implemented without compromising the drainage of later phases), details of the operation, maintenance and management of the site's surface water drainage infrastructure shall be submitted to and approved in writing by the Local Planning Authority.

The details shall include adoption proposals of any adoptable structures (where adoption is necessary/proposed).

The development shall thereafter be operated, managed, and maintained at all times for the lifetime of the development, or up to the point of adoption (if applicable), in accordance with the approved details.

2 MANAGEMENT AND MAINTENANCE PLAN

The proposed surface water drainage will comprise a surface water piped network, for which maintenance activities will be the responsibility of the landowner (East Bierley Community Sports Association).

Operation and maintenance details of the various surface water drainage elements are set out below.

PERVIOUS PAVEMENTS

Operation and Maintenance		
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 area as this area is most likely to collect the most sediment.
Occasional maintenance	Stabilise and mow contributing and adjacent areas. Removal of weeds or management using glyphosates applied direct into the weeds by an applicator rather than spraying.	As required. 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 50mm of the level of paving. 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. Rehabilitation of surface and upper substructure by remedial sweeping. Remove build-up of sediment on upstream gravel trench, flow spreader or at top of filter strip.	As required. As required. As required. 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 or 48h after large storms with the first six months of completion.
	Inspect silt accumulation rates and establish appropriate brushing frequencies.	Annually.
	Monitor inspection chambers.	Annually.

Source: Table 20.15 from The SuDS Manual - 2015

ATTENUATION STORAGE TANKS

Operation and Maintenance		
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 this may cause risks to perform).	Monthly.
	For systems where rainfall infiltrates into the tank from above, check surface of filter for blockage by sediment, algae or other matter; remove and replace surface infiltration medium as necessary.	Annually.
	Remove sediment from pre-treatment structures and/or internal forebays.	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.

Source: Table 21.3 from The SuDS Manual - 2015

DRAINS AND SEWERS

Operation and Maintenance		
Maintenance schedule	Required action	Typical Frequency
Regular maintenance	Inspect and identify areas that are not operating correctly. If required take remedial action.	Monthly for the first three months of completion then six monthly.
	Debris removal from catchment surface (where may cause risks to performance).	Monthly.
	Sediment removal from flow control.	Annually or as required.
	Cleaning / jetting of pipes, rodding eyes, and manholes.	Annually or as required.

End of document.