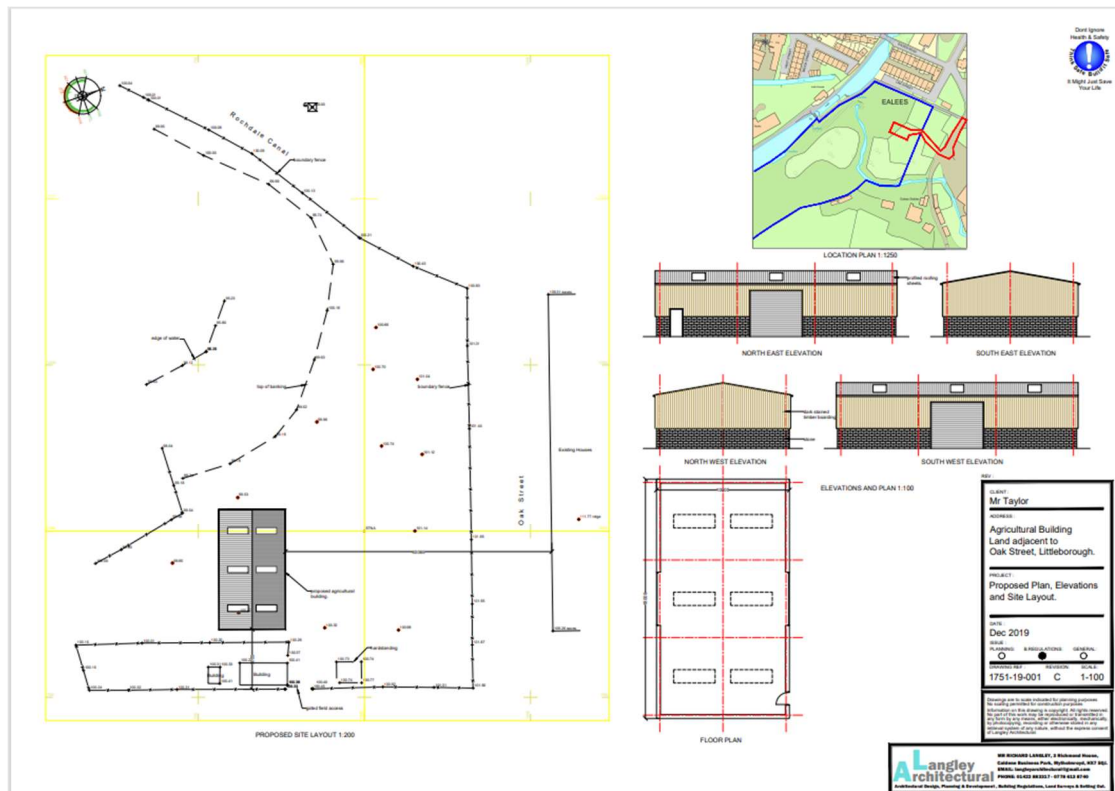




DRAINAGE MAINTENANCE STRATERGY

Oak Street, Littleborough

Commissioned by Dan Taylor

1279-001-003 MH

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1 Introduction

The proposed drainage system for Oak Street adopts a series of SuDS measures to control the rate of storm water discharge and the quality of water in line with current practice. It is important that the property owners maintain the drainage to ensure that SuDS elements operate effectively for their lifetime.

The drainage maintenance plan will be incorporated within the Operation and Maintenance (O&M) manual for the properties and be accessible to those who undertake maintenance. This document should be read in conjunction with the drainage system drawings.

2 Overview of Maintenance

All drainage systems, whether piped systems or SuDS systems require regular maintenance. The maintenance of the SuDS system at Oak Street should be alongside regular maintenance tasks. The table below gives an overview of typical maintenance tasks and the frequency with which they need to be undertaken.

Activity	Indicative frequency	Typical tasks
Routine/regular maintenance	Monthly to annually (for normal care of SuDS)	Litter picking Inspection of inlets, outlets and control structures
Occasional maintenance	Annually up to 25 years (dependent on the design)	Silt control around components. Vegetation management around components Suction sweeping of permeable paving Silt removal from catchpits, soakaways and cellular storage
Remedial maintenance	As required (tasks to repair problems due to damage or vandalism)	Inlet/outlet repairs Erosion repairs Reinstatement of edgings Reinstatement following pollution Removal of silt build up

Typical maintenance tasks and frequency for the SuDS drainage system

The required maintenance for each of the elements that make up the SuDS system at Oak Street is scheduled below. The following guidance is based on CIRCA C753 – The SuDS Manual.



3 Attenuation Storage Tanks/Pipes

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 catchment surface (where it may cause risks to performance)	Monthly
	Remove sediment from pre-treatment structures and/ or internal forebays	Annually, or as required
	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
Remedial Maintenance	Repair/rehabilitation of 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 and after large storms
	Survey inside of tank for sediment build up and remove if necessary	Every 5 years or as required



4 Flow Control Devices – Hydro Brake, Orifice Plates

Maintenance to be undertaken according to manufacturer's specification. As a general guide, this should include the following:

Maintenance Schedule	Required Action	Typical Frequency
Routine Maintenance	Inspection	Quarterly
	Litter/debris removal	Monthly or as required
Occasional Maintenance	Sediment removal	6 Monthly
Remedial Maintenance	Repair (as a result of damage or vandalism)	As required

5 Silt Traps

Maintenance Schedule	Required Action	Typical Frequency
Routine Maintenance	Inspection	Monthly
	Litter/debris removal	Monthly or as required
Occasional Maintenance	Sediment removal	6 Monthly
Remedial Maintenance	Repair (as a result of damage or vandalism)	As required



6 Soakaways

Maintenance Schedule	Required Action	Typical Frequency
Routine Maintenance	Inspection	Monthly
	Litter/debris removal	Monthly or as required
Occasional Maintenance	Sediment removal	After first 3 months and then 6 monthly or immediately after any heavy rain event.
Remedial Maintenance	Repair (as a result of damage or vandalism)	As required

