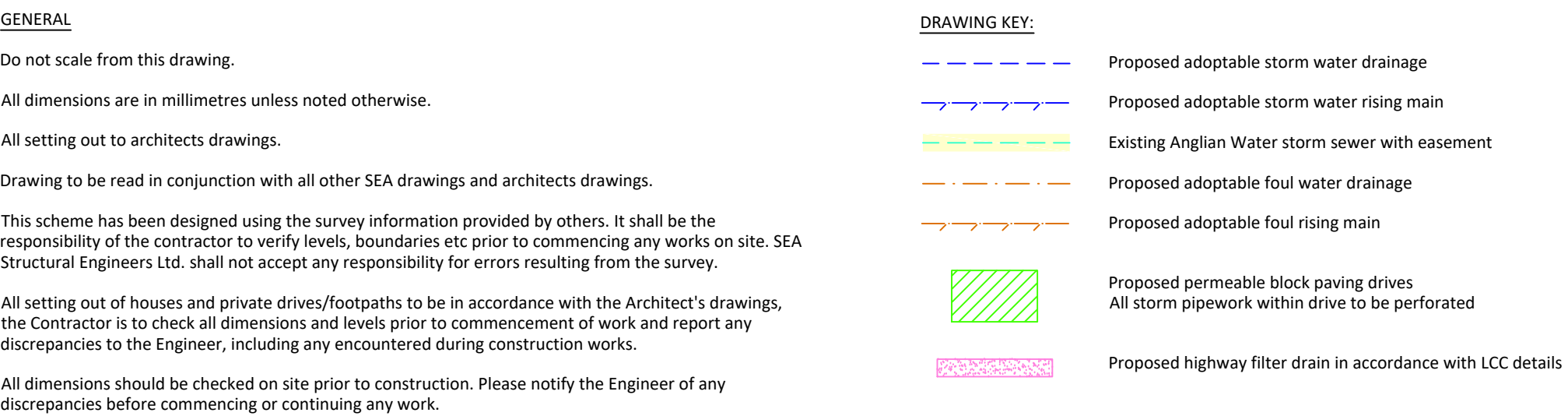




Maintenance schedules		
Operation and maintenance requirements for filter drains		
Maintenance schedule	Required action	Typical frequency
Regular maintenance	Remove filter (including leaf litter) and debris from filter drain surface, across channels and pre-treatment devices	Monthly (or as required)
	Inspect filter drains, pre-treatment devices (pipework) and control systems for blockages, clippings, standing water and structural damage	Monthly
	Inspect pre-treatment systems, sheets and pre-treatment pipework for silt accumulation, and establish appropriate silt removal frequencies	Six monthly
	Remove sediment from pre-treatment devices	Six monthly, or as required
Occasional maintenance	Remove or control tree roots where they are encroaching the walls of the filter drain, using recommended methods (see NADIS, 2007 or BS 3999-2)	As required
	At locations with high pollution loads, remove surface geotextile and replace, and wash or replace coving/liner filter medium	Five yearly, or as required
	Clean perforated pipework (pipework)	As required

Optimization and maintenance requirements for pervious pavements		
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 trapping in particular's recommendations – pay particular attention to areas where water runs into pervious base from adjacent impermeable areas as this is most likely to collect sediment
Occasional maintenance	Stabilize and mow contributing and adjacent areas Removal of weeds or management using glyphosate applied directly into the weeds in an application either once or twice a year Remediate any vegetation maintenance in soft soil, has been stated to within 50 m of the weed of project Remediate weeds in any depressions, rutting and cracked or broken brooks considered detrimental to the structural performance of a hazard to users, and replace lost jointing material	As required As required As required
Remedial Actions	Rehabilitation of surfaces and upper sub-basement by remedial vegetation Initial inspection Inspect for evidence of poor operation (e.g. weed growth - if required, take remedial action) Inspect soil accumulation near, and establish appropriate trapping frequencies Monitor inspection chambers	As required Every 10 to 15 years or as required (if infiltration performance is reduced due to significant blockage) Three-monthly, inspect if large storms in first six months Annually Annually
Monitoring		

Operation and maintenance requirements for detention basins		
Maintenance schedule	Required action	Typical frequency
Regular maintenance	Remove litter for debris and access routes	Monthly
	Cut grass – for safety and access routes	Monthly (during growing season, or as required)
	Cut grass – meadow grass in and around basin	Half yearly (spring – before mowing season, and autumn)
	Manage other vegetation and remove nuisance plants	Monthly (as start, then as required)
	Inspect inlets, outlets and overflows for blockages, and clear if required	Monthly
	Inspect bankworks, structures, pipework etc for evidence of physical damage	Monthly
	Inspect inlets on facility surface for all accumulation. Explain appropriate if removal frequents	Monthly (first year, then annually or as required)
	Check any ponds/works and other maintenance works	Annually
	Check all street gullies before start of growing season	Annually (or as required)
	Remove sediment from inlets, outlet and overflow	Annually (or as required)
Occasional maintenance	Manhole wetland plants in outlet pool – where provided	Chapter 25 (as set out in Appendix 2)
	Revised areas of open vegetation growth	As required
	Prune and trim any trees and remove cuttings	Every 2 years, or as required
	Remove sediment from inlets, outlets, toebank and main basin as required	Every 5 years, or as required (due to the effective separation (source control is essential)
	Repair erosion or other damage by reseding or re-urfing	As required
	Replacement of tie-rap	As required
Remedial actions	Reestablishment of inlets, outlets and overflows	As required
	Relevel surface surfaces and regrade design levels	As required

DWG No: 1886/S/E103	P2
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