

Appendix A

Stormwater maintenance Schedule

9 Roussell Road Eastern Creek
SY23-144
Stormwater maintenance Schedule

Inspected by:

Date of Inspection:

Next Inspection:

Items to be Inspected	Frequency	Performed by	Inspected		Maintenance Needed		Maintenance Procedure	Initial
			Yes	No	Yes	No		
General								
Stormwater surface inlet and junction pits (Internal Inspection)	Four Monthly/ After Major Storm	Owner / Maintenance Contractor					Remove grate and inspect internal walls and base, repair where required. Remove and collected sediment, debris, litter and vegetation. Flush with hose if neccessary.	
Stormwater surface inlet and junction pits (External Inspection)	Four Monthly/ After Major Storm	Owner / Maintenance Contractor					Inspect and ensure grate is clear of sediment, debris, litter and vegetation.	
General inspection of complete stormwater drainge system (that's visible)	Bi-annually	Owner / Maintenance Contractor					Inspect all drainage structures noting any dilapidation, carry out required repairs.	
Gross pollutants	Six Monthly	Owner / Maintenance Contractor					Visual inspection of trash basket and empty trash baskets as required.	
On-site Detention Facility								
Orifice plate	Six Monthly	Owner / Maintenance Contractor					Remove grate and screen to inspect orifice. See plan for location of discharge outlet pit. Ensure plate mounted securely (gap less than 5mm), tighten fixings if required. Seal gaps as required. Compare diameter to design (see Work-as-Executed) and ensure edge is not pitted or damaged.	
Trash screen	Six Monthly	Owner / Maintenance Contractor					Remove grate and screen. Ensure trash screen is clean and free of debris. Ensure screen fixings are secure and free from corrosion. Repair as required. Refit trash screen and ensure it is secure.	
Stormwater Inlet Grate	Six Monthly	Owner / Maintenance Contractor					Check stormwater inlet grate condition is free from corrosion, (especially corners and welds) damage or blockage. Ensure to remove debris/litter/vegetation from inlet and surround. Ensure flush placement of grate on refitment.	
On-site detention storage area	Six Monthly	Owner / Maintenance Contractor					Inspect storage areas and remove debris and floatable material likely to be carried to grates.	
Overflow weir	Six Monthly	Maintenance Contractor					Remove grate and open cover to ventilate underground storage if present. Ensure weir clear of blockages.	
Outlet Pipe	Six Monthly	Maintenance Contractor					Remove grate and screen. Ventilate underground storage if present. Check orifice and remove any blockages in outlet pipe. Flush outlet pipe to confirm it drains freely. Check for sludge/debris on upstream side of return line (if relevant).	
Step Irons (if present)	Annually	Maintenance Contractor					Remove grate. Examine step irons and repair any corrosion or damage. Ensure fixings secure.	
Internal/Pit walls	Annually	Maintenance Contractor					Remove grate to inspect internal walls. Repair as required. Clear vegetation from external walls if necessary and repair as required.	
Bio-retention Basin								
Basin and contributing areas are clean of debris and domestic litter	6 Monthly	Owner / Maintenance Contractor					Remove litter and debris within basin and in areas that is obstructing flows into basin.	
Surrounds and other infrastructure	6 Monthly	Owner / Maintenance Contractor					Check structures for any damages to surrounding structures and any saftey risks.	
Inflow points - sediment accumulation / sediment erosion	6 Monthly	Maintenance Contractor					Replace any top soil in eroded area and grade accordingly. Remove any sediment and debris accumulation if present.	

Embankments/Wall	6 Monthly	Maintenance Contractor					Inspect embankments/wall show no visible deformity. Repair and regrade embankments/wall. Replace any plants / vegetation if required.	
Basin vegetation condition	3 Monthly	Maintenance Contractor					Ensure vegetation is still in place. Remove and replace any plants that are dead or beyond a reasonable level of rehabilitation. Trim vegetation to a height that is suitable for the plant type. Check health of plants and where appropriate apply fertiliser for plant type. Check for good vegetation cover in planted areas (>80% cover or >6 plants per sqm). Remove any invasive weed species.	
Pond Lining	3 Monthly	Maintenance Contractor					Inspect pond lining for any visible damage. Remove and replace with new lining if required.	
Extended detention depth. Permeability and cloggin	Annually	Maintenance Contractor					Inspect design extended detention depth provided (100-300mm). Check for infiltration/ hydraulic capacity of system is preserved. In dry conditions, water poured on surface infiltrates almost immediately. Minimal fine sediment accumulation or visible surface crust. In wet conditions, surface ponding (100-300mm) for biofilters is drawn down over 1-3 hours after inflow to the system has stopped following rainfall. No algae or moss present on filter surface. No stagnant water ponding on surface	
Outlet	6 Monthly	Maintenance Contractor					Remove grate and screen. Ventilate underground storage if present. Check orifice and remove any blockages in outlet pipe. Flush outlet pipe to confirm it drains freely. Check for sludge/debris on upstream side of return line (if relevant).	
Swale								
Swale and contributing areas are clean of debris and domestic litter	6 Monthly	Owner / Maintenance Contractor					Remove litter and debris that is obstructing flows into and through the swale.	
Evidence of swale surface erosion	6 Monthly	Maintenance Contractor					Replace top soil in eroded area and cover and secure with biodegradable fabric. Cut hole in fabric and revegetate.	
Swale vegetation condition	3 Monthly	Maintenance Contractor					Ensure vegetation is still in place. Remove and replace any plants that are dead or beyond a reasonable level of rehabilitation. Trim vegetation to a height that is suitable for the plant type (min 150mm).	
Swale vegetation fertilisation where required	6 Monthly	Maintenance Contractor					Where required fertilise plants with appropriate fertiliser for plant type.	