

MAINTENANCE SCHEDULE

CIVIL MAINTENANCE WORKS BY DEVELOPER AND HUME CITY COUNCIL

Code	Description	What to check for	Maintenance Works	Frequency of Maintenance Works and Equipment
BRS	Inlet	No evidence of erosion, blockage, damage or standing water	Clear inlet of accumulated sediment or debris. Eroded areas should be locally re-profiled or reinforced and re-planted	Storm events 3 months Mostly manual works, may need backhoe for extreme cases
BRS	Outlet	No evidence of erosion, blockage, damage or standing water. Outlet Free draining	Clear outlet of accumulated sediment or debris.	Storm events 3 months Mostly manual works, may need backhoe for extreme cases
BRS	Batters	No evidence of erosion.	Eroded areas should be locally re-profiled or reinforced and re-planted	Annually Mostly manual works, may need backhoe for extreme cases
BRS	Hydraulic conductivity	Filter media is draining freely. No water ponded on the surface of the BRS for more than 12 hours after rainfall	If water is ponded on the surface of the raingarden for more than 12 hours after rainfall, refer to Water by Design (2012) Rectifying Vegetated Stormwater Treatment Assets.	Storm events Mostly manual works to clean any debris or dead plants. May need backhoe for extreme cases if any filter media needs replacement.

BRS	Sediment Accumulation	Sediment forebay less than 7.5% full. No major sediment accumulation on surface of the BRS	Clean out accumulated sediment from the sediment forebay. Accumulated sediment to be removed from the surface of the BRS and the system replanted as required	Annually Need backhoe
BRS	Filter media surface	No surface scour, depressions	Filter surface to be repaired. This may involve even out the surface, import additional filter media and replanting	3 months Mostly manual works, may need backhoe for extreme cases
BRS	Mulch layer	Even depth and distribution of the mulch layer. Surface of the mulch layer is at least 100mm below the top of the outflow pit. Mulch is not touching the plant stems	Re-distribute or replace mulch that has been washed out or displaced. Use jute matting or nets if required. Remove mulch that is touching the plants	3 months Manual works
BRS	Algal or Moss growth	No major algal growth (less than 10% of BRS area permissible) No moss growth	If significant patches of algal growth or moss persist across the surface of the BRS then refer to Water by Design (2012) Rectifying Vegetated Stormwater Treatment Assets.	3 months Mostly manual works, may need backhoe for extreme cases
BRS	Inspection Opening	Water level is below filter media layer No sediment accumulation in underdrain system.	Refer to Water by Design (2012) Rectifying Vegetated Stormwater Treatment Assets if standing water is present in the filter media layer. Flush the underdrain system using low pressure water jet to	Annually Manual Works

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LANDSCAPE MAINTENANCE WORKS BY DEVELOPER AND HUME CITY COUNCIL

Code	Description	What to check for	Maintenance Works	Frequency of Maintenance Works and Equipment
BRS	Vegetation cover - filter media	Greater than 90% vegetation cover.	Remove any dead or diseased vegetation. Replant individual bare patches (greater than 5% of the area) using either new plants or by dividing and translocating existing plants.	3 months Manual Labour
BRS	Vegetation cover - batters	Continuous vegetation cover along the lower batter. Greater than 90% vegetation cover Plants healthy, free from disease and vigorously growing	If bare areas represent greater than 30% of the raingarden area, refer to Water by Design (2012) Rectifying Vegetated Stormwater Treatment Assets.	Annually Manual Labour
BRS	Weeds - filter media - batters	Less than 10% of the filter media surface area and batters covered in Weeds	Physically remove weeds from filter media surface and batters Do not use herbicides as these may harm the desirable BRS vegetation and contaminate the filter media Refer to Water by Design (2012) Rectifying Vegetated Stormwater Treatment Assets if weed Ingress is a persistent problem.	3 months Manual Labour
BRS	Litter	Filter media surface and batters free of litter	Remove all litter and excessive debris	3 months Manual Labour

BRS	Pests	No damage by pest animals and insects	<p>Seek specialist advice if persistent Insect damage is observed</p> <p>Refer to Water by Design (2012) Rectifying Vegetated Stormwater Treatment Assets if there is evidence of pest animal damage.</p>	<p>3 months</p> <p>Manual Labour</p>
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