

CHECKLIST FOR INSPECTION OF BIORETENTION SYSTEM/TREE FILTERS

Location: Davis – STG, 3014 W 39th Place

Inspector: Chris Bourbois

Date: July 24th 2023

Time: 2:45 PM

Site Conditions: Sunny, 85°

Days Since Last Rain Event: 1

Inspection Items	Satisfactory (S) or Unsatisfactory (U)	Comments/Corrective Action
1. Initial Inspection After Planting		Plants on site are healthy and stable. There is no evidence of preferential flow or erosion near the drain outlet.
Plants are stable, roots not exposed	Ⓢ U	
Surface is at design level, no evidence of preferential flow/shoving	Ⓢ U	
Inlet and outlet/bypass are functional	Ⓢ U	
2. Debris Cleanup (1 time/year minimum, Spring/Fall)		No dead vegetation on site although some weeding is needed, as there are some small weed issues, obviously out of step with the otherwise orderly rows of ornamental shrubs and grasses. Trees on site are healthy and do not need pruning.
Litter, leaves, and dead vegetation removed from the system	Ⓢ U	
Prune/mow vegetation	Ⓢ U	
3. Standing Water (1 time/year and/or after large storms)		No standing or pooled water one day after rain. Drain is not within garden areas, which may present problems. However, no erosion is noted near drain.
No evidence of standing water after 24-48 hours since rainfall	Ⓢ U	
4. Vegetation Condition and Coverage		Vegetation condition is good, but coverage is under 75%. As with some other sites, there is an obvious bent towards aesthetics, with plugs planted in an orderly fashion and mulch everywhere else. However, this pattern is inconsistent and some areas are fairly bare outside of the mulch.
Vegetation condition good with good coverage (typically >75%)	S Ⓢ	
5. Other Issues		
Note any additional issues not previously covered	S U	
Final Comments		

This site is in good shape. There is a nice mix of ornamental grasses and shrubs, along with native forbs like milkweed and lots of spiderwort. The trees on site are healthy and good choices, as swamp white oaks are hardy and tolerant of wet conditions. There are no real invasive concerns here and no bare ground, as the site is very well mulched. However, the mulch is more of a temporary solution than a permanent one, as keeping this large an area mulched will require continuous applications. A denser group of native and ornamental vegetation will only require weeding, rather than continuous adding of material. Like many sites in this inventory, the garden here could use an overseeding or additional plug plantings. Although the site seems functional as a rain garden, denser native vegetation would have more benefit to pollinators and should result in less needed maintenance once it becomes established.