

CHECKLIST FOR INSPECTION OF BIORETENTION SYSTEM/TREE FILTERS

Location: Fresenius Kidney Care, 946 W 63rd St.

Inspector: Chris Bourbois

Date: July 24th, 2023

Time: 5 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 stable and herbaceous species are healthy. However, one of the two kentucky coffee trees has experienced significant trunk damage and is in poor shape. The outlets are functional and vegetated and there is no evidence of preferential flow.
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 vegetative debris on site and one of the trees has already been effectively pruned. No mowing is needed, as planted shrubs are doing well. There are multiple pieces of litter on site, maybe being carried to the inlets by stormwater.
Litter, leaves, and dead vegetation removed from the system	S Ⓢ	
Prune/mow vegetation	Ⓢ U	
3. Standing Water (1 time/year and/or after large storms)		No standing or pooled water one day after rain. No evidence of erosion near inlets.
No evidence of standing water after 24-48 hours since rainfall	Ⓢ U	
4. Vegetation Condition and Coverage		Planted shrubs are doing well and vegetate most of the site. One kentucky coffee tree is doing well and has been pruned well. The other has experienced damage to its trunk, but this was likely out of site maintenance's hands.
Vegetation condition good with good coverage (typically >75%)	Ⓢ U	
5. Other Issues		
Note any additional issues not previously covered	S U	
Final Comments		

This site is in good shape for what it is. There is no bare ground and no invasives concerns. There is no sign of preferential flow or erosion, and the inlets are holding up well. Kentucky coffee trees are hardy and a good choice for a parking lot. The trees seem to be well cared for as well, despite trunk damage to one of them, perhaps from a car or the nearby playground. Given the litter on site, this portion of the parking lot likely receives little active attention. In this case, maybe ornamental shrubs are a better choice than a more involved rain garden. There would undoubtedly be more environmental benefit in a well-maintained native rain garden, but this site is perfectly functional and likely needs very little maintenance. Although I question the ambition involved here, good intentions and lofty ambitions can quickly turn sour, as other sites in this inventory have shown. Hopefully the positive results with the rain garden (and permeable pavers) here will spur more GSI work on site, as there aren't any corrective actions needed here.