CHECKLIST FOR INSPECTION OF BIORETENTION SYSTEM/TREE FILTERS

Location: Hermitage and 58th

Inspector: Chris Bourbois

Date: July 24th 2023

Time: 4 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		Both trees planted on site appear healthy and are good choices for site (hackberry and bald cypress). No evidence of preferential flow and inlets/outlets are outfitted with rock structures to dissipate force of incoming stormwater.
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, some vegetative debris and a small amount of litter. Trees are young and do not need pruning, while there is not enough vegetation to need mowing.
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. Rock structures are in good shape and appear effective, with no erosional problems at inlets.
No evidence of standing water after 24-48 hours since rainfall	Ⓢ U	
4. Vegetation Condition and Coverage		Vegetation condition is very poor other than the planted trees, as everything else on site is either turf grass or weedy species. The two trees, however, are in good shape and good choices for the site. Some mulch is still on site, but there is a significant amount of bare ground as well.
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 somewhat poor shape and seems to have lost any originally planted herbaceous species. Herbaceous vegetation on site now consists exclusively of turf grass and field weeds (like buckhorn plantain, lady's thumb, and dandelions). There is evidence of prior mulching, but nothing recent as there is significant bare ground. However, there is some evidence of continued maintenance, as both young trees planted on site are doing well. Additionally, the rock structures protecting both inlets are in good shape and are obviously still functional. If this area is to be returned to a rain garden, rather than remaining as a bioswale, seeding and/or plug planting would be beneficial. Like some of the other sites in this inventory, the lack of serious invasive species concerns leaves the site at a decent starting point for future improvement.