

CHECKLIST FOR INSPECTION OF BIORETENTION SYSTEM/TREE FILTERS

Location: Fire Engine Co 109, 2343 S. Kedzie

Inspector: Chris Bourbois

Date: July 24th, 2023

Time: 12 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 generally healthy. There may be preferential flow along the center/fence side of the site, but this seems to be topographical and not due to erosional forces. Drain outlet is well vegetated.
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, but pine in corner could use pruning. Vegetation is not dense enough at this point to need mowing.
Litter, leaves, and dead vegetation removed from the system	Ⓢ U	
Prune/mow vegetation	S Ⓢ	
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 drain or elsewhere, despite bare ground.
No evidence of standing water after 24-48 hours since rainfall	Ⓢ U	
4. Vegetation Condition and Coverage		There seems to be little of the originally installed vegetation still present. Bare ground makes up more than 25% of site. No serious invasive issues so far, but also little native/installed vegetation.
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 fairly poor shape, although the lack of serious invasive species populations makes it a good candidate for a swift revitalization. The site is mostly populated by weedy species like mullein and quack grass, although a few sedges remain. The pine in the corner of the site was obviously present prior to the bioswale's installation but is still not a particularly fitting choice for the site. Despite the swale running through the center/along the fence and the substantial amount of bare ground, there is no obvious erosion or rutting, meaning that additional vegetation should be more than enough to handle the force of stormwater on site. Some maintenance seems to have been attempted here, with drip irrigation lines set up. Given the potential for further maintenance and the near-blank-slate present on site, manual weeding followed by seeding could quickly improve the vegetative quality. Mulching in a wide ring

surrounding the base of the pine would also be beneficial, as would further mulching if bare ground persists after seeding/plug planting efforts.