



Stormwater Operation and Maintenance Inspection Checklist: Detention Basin

City Code Chapter 96 Article I 96-14

City of Springfield, Department of Environmental Services: 290 E Central St Springfield, MO 65802 (417) 864-1944

Inspector Name and Title:	
Date of Inspection:	Property Address:
Owner Name:	Owner Address:
Owner Phone:	Owner Email:

Circle a score (0,1 or 2 for each area/row)	0 – Good Condition Should monitor and continue routine maintenance	1 – Degraded Condition Routine maintenance or repair needed. Functionality could be affected if not addressed	2 – Serious Condition Immediate need for maintenance or repair to restore functionality
TRASH/DEBRIS/SEDIMENT REMOVAL			
INLET: Is there excessive trash/debris/sediment accumulation where stormwater enters the basin?	There is no accumulation of trash, debris or sediment at the inlets.	Trash/debris/sediment accumulation is visually unpleasant and/or could be preventing stormwater from entering the basin as designed.	Stormwater cannot enter the detention basin as designed because of the trash/debris/sediment accumulation at the inlets.
BASIN FLOOR: Is there excessive trash/debris/sediment accumulation in the basin area?	There is no accumulation of trash, debris or sediment in the basin that is altering the storage capacity of the detention basin.	Trash/debris accumulation is visually unpleasant and/or the sediment accumulation has decreased storage capacity of the basin.	Trash/debris accumulation is a nuisance and/or the sediment accumulation has significantly decreased the storage capacity of the detention basin.
OUTLET: Is trash/debris/sediment accumulation hindering stormwater from leaving the basin as designed?	There is no accumulation of trash, debris or sediment that could prevent stormwater from leaving the detention basin.	Trash/debris/sediment accumulation is preventing stormwater from leaving the detention basin as designed.	Trash/debris/sediment accumulation is completely blocking the outlet structure and preventing stormwater from leaving the detention basin as designed.
EROSION			
INLET: Is there evidence of erosion where stormwater enters the basin?	The inlets are stable with no existing erosion.	There is minor erosion (less than 6 inches deep) at one or more inlets.	There is significant erosion (deeper than 6 inches) at one or more inlets.
BASIN FLOOR: Is there evidence of erosion on the floor of the basin?	There is no existing erosion in the detention basin.	There are small rills forming in the detention basin.	There is significant erosion (deeper than 6 inches) in the detention basin.
OUTLET: Is there evidence of erosion around the outlet?	There is no erosion around the outlet structure.	Rills or minor erosion are present around the outlet structure.	Erosion around the outlet structure is significant (deeper than 6 inches). It may be causing a structural failure or creating a safety hazard.

MOWING/VEGETATION MAINTENANCE			
ENTIRE BASIN: Condition of trees or shrubs (if present)	Trees and shrubs are in good condition.	Some of the trees and/or shrubs have died, been damaged or removed from the detention basin. Replacement should be considered.	All of the trees and/or shrubs have died, been damaged and/or removed. If they were required as part of a buffer yard or water quality credit. If not required, consider replanting due to tree benefits.
ENTIRE BASIN: Does vegetation uniformly cover at least 70% of the basin (i.e. no large bare areas)?	Grass and vegetation covers the entire bottom of the detention basin.	There is 70% grass growth in the basin but there are bare patches that should be reseeded.	The bottom of the detention has less than 70% grass growth. The basin needs to be reseeded/revegetated immediately.
STRUCTURAL MAINTENANCE			
AROUND BASIN: Have the berms/embankments settled?	The berms and embankments are stable or there is minor settling occurring in areas that would not affect the functionality of the basin.	N/A	The embankment or berm has settled and created a partial spillway which is causing the basin to function differently than designed. The embankment needs to be raised to the original design height immediately.
INLET: Condition of structural components such as the curb openings, pipes, etc.	The inlet structures are in good condition and there are no structural failures.	The structural components of the basin inlets are cracked or broken but not affecting functionality.	The structural components of the basin inlets have failed and are creating a safety hazard and/or causing the basin to not function as designed.
BASIN FLOOR: Condition of structural components such as concrete channel	The structural components are in good condition.	The structural components of the basin are cracked or broken but not affecting functionality.	The structural components of the basin have failed and are creating a safety hazard and/or causing the basin to not function as designed.
OUTLET: Condition of structural components such as the concrete outlet box, concrete weir, metal trash rack, or perforated metal plate.	Outlet structure is in good condition and has no structural failures.	The structural components of the basin outlet are cracked or broken but not affecting functionality.	Outlet structure has failed and is preventing the detention basin from functioning as designed (this includes any unreported modifications to the structure).
Inspection Comments:			

This inspection form and inspection photos* should be turned in to Sarah Davis at sedavis@springfieldmo.gov or 290 E Central St Springfield, MO 65802

*A minimum of three photos should be taken of the following: inlet(s), the entirety of the SCM and the outlet structure regardless of condition. Areas rated as 1 or 2 should have additional photo documentation.