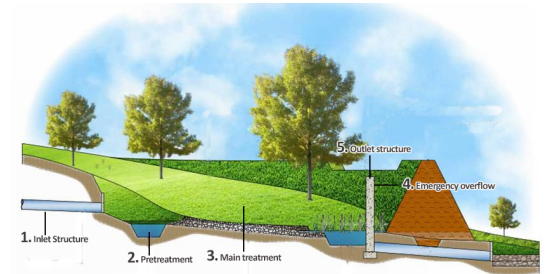


Extended Dry Detention Basin Inspection Form

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BMP Name(s)	Today's Date:				
	Date of Last Inspection:				
Note: The extended dry detention basin name will be shown on the BMP location map included with the Stormwater BMP Record Drawing for this property. A typical name would be "Extended Dry Detention Basin 1" or "Extended Dry Detention Basin A". If this inspection form is being submitted for multiple BMPs of the same type, please list all applicable names.					
Property Info	Street Address:		City:	State:	Zip:
	Name (Owner, Tenant, Property Manager or Landscape Company):		Contact Name (If Different):		
Who is Inspecting the Extended Dry Detention Basin?	Street Address (If conducted by a company, use company address):		City:	State:	Zip:
	Phone #:	Email:		<input type="checkbox"/> PE <input type="checkbox"/> PLA <input type="checkbox"/> No <small>Check one:</small>	
	License #:				
	Name (Person(s) or Company):		Contact Name (If Different):		
Who Owns the Extended Dry Detention Basin?	Street Address:		City:	State:	Zip:
	Phone #:		Email:		

This Section is for City of Topeka Use Only	
Identification Number	Has the City Entered and Approved this Inspection? Yes No
Name of Staff Approving This Inspection Report:	Date of Inspection Approval: Yes No
Is a Follow Up Inspection by Staff Required? Check One:	Yes No
Reason for Follow Up?	

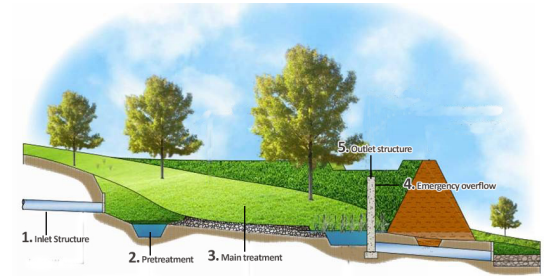
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Inspection Question	Answer			Describe Problem(s) and Solution(s)
	Y	N	NA	
Main Treatment (Component 3)				
Success Factors: Vegetation, Protection, Two-Day Drain Time, and Cleanliness				
1. Is it difficult to access the basin for inspection and maintenance?				
<p>Guidance: Any obstacles blocking access and/or maintenance to the basin should be removed. If access is blocked by a permanent fixture (i.e. fence), contact the City of Topeka. Schedule: Monthly</p>				
2. Is the top of the earthen berm unlevel or uneven? Are there cracks or animal burrows in the berm?				
<p>Guidance: Potholes, depressions, animal burrows and significant cracks on the top or sides of the berm can be a sign that the berm has structural or seepage problems, these worsen over time. Keep a log of these issues during each inspection by noting the location of each issue on the inspection figure and recording the length, width, and depth of the problem on the inspection form. For animal burrows, call animal control for removal and fill the holes with clay. Call the City of Topeka if these problems appear to be getting worse. Schedule: Monthly</p>				
3. Is vegetation on the berm dying, diseased, or unhealthy on the front, back, or top of the berm?				
<p>Guidance: The berm should have a healthy, thick stand of non-woody vegetation on all sides of the berm. Patches of bare soil should not be present. Ground cover vegetation should be composed of native plants that maintain the structural integrity of the berm, discourage animal burrowing, allow for adequate inspection of the berm, and require only intermittent mowing to maintain its health. If vegetation appears unhealthy or thin, determine the cause of the issue take corrective action. More frequent watering, or fertilizer, plant species replacement, or additional seed or sod may be needed to establish fuller, healthier coverage. Schedule: Seasonally.</p>				
4. Are trees present on the berm of the basin?				
<p>Guidance: Woody vegetation should be removed right away as they can reduce the structural integrity of the berm. Trees and woody vegetation can also interfere with the ability to fully inspect the berm surfaces. Remove woody vegetation and stumps from the berm, backfill the stump areas with clay soil, and cover with suitable native vegetation. Schedule: Seasonally</p>				

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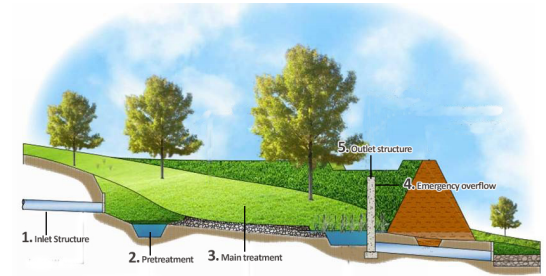
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Inspection Question	Answer			Describe Problem(s) and Solution(s)
	Y	N	NA	
5. Is the basin holding water during dry weather?				
<p>Guidance: The extended dry detention basin should follow what would be expected under the seasonal or current climatic conditions (slower to drain during wet weather and very dry during a drought). Ninety percent of the water should drain out of the extended dry detention basin 40 hours after rain events. If the water level rises and doesn't lower in this time period, the outlet structure may be blocked. If there is no water after a large rainfall, the water could be leaking through the berm. Contact an experienced professional if the water level is frequently too low or too high.</p> <p>Schedule: Monthly</p>				
6. Are there visible areas of bare soil in the basin, water flow paths, or on the basin slopes?				
<p>Guidance: Bare or eroding areas should be vegetated or lined with rock or other material. Visible deposits of soil should be removed, as these deposits can decrease the amount of water storage provided by the extended dry detention basin.</p> <p>Schedule: Annually</p>				
7. Are cattails or other invasive plants growing in the basin?				
<p>Guidance: Cattails and other invasive plants have the potential to completely take over the basin area. The basin area should be checked for sediment buildup and may need to be cleaned out. Invasive plants shall be removed. Also evaluate any issues of standing water in the basin 40 hours after a rain event and correct as discussed in #5.</p> <p>Schedule: Seasonally</p>				
8. Are check dams, weirs, and other components of the basin in good repair?				
<p>Guidance: Structural components should be checked for proper operation and repaired as needed.</p> <p>Schedule: Annually</p>				
9. Notice another problem? Describe in comments.	Your Comments:			

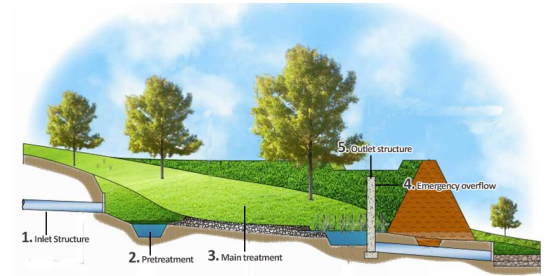
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Inspection Question	Answer			Describe Problem(s) and Solution(s)
	Y	N	NA	
<i>Inlet, Pretreatment, & Outlet Structures (Components 1, 2, & 5)</i>				Success Factors: Vegetation, Protection, Two-Day Drain Time, and Cleanliness
10. Do the inlets where stormwater enters the basin have unhealthy vegetation, sparse rock, broken concrete, or other damaged materials?				
<p>Guidance: Inlet structures should have dense, healthy vegetation or a rock, concrete, asphalt, or paver lining to prevent erosion. Bare soil or signs of erosion should NOT be present. Repair eroded areas and cover bare soil immediately with the appropriate vegetation or material cover.</p> <p>Schedule: Monthly</p>				
11. Are trash, sediment, debris, grass clippings, or other materials that can obstruct stormwater flow present in the inlet, forebay, or outlet structures or in their vicinity?				
<p>Guidance: A sediment forebay shall be incorporated into the basin design to trap sediment and trash at all basin inlets, where the sediment and trash can be more easily removed than from the permanent pool. Remove unwanted materials and correct any other problems that block the water flow in or out of the basin.</p> <p>Schedule: Monthly</p>				
12. Is there bare soil or evidence of erosion or scour at the outlet structure? Is the outlet structure in good repair?				
<p>Guidance: Outlet structures should not have any signs of erosion and should be covered with enough vegetation or material to slow the water and prevent erosion. Typically, this is a rock lining, but can be concrete, asphalt, pavers or even dense vegetation. If signs of erosion are visible at the outlet, install a rock lining that extends at least 10' beyond the area of erosion. Contact a qualified professional if you have questions on the size and type of rock.</p> <p>Schedule: Seasonally</p>				
13. Notice another problem? Describe in comments.	Your Comments:			

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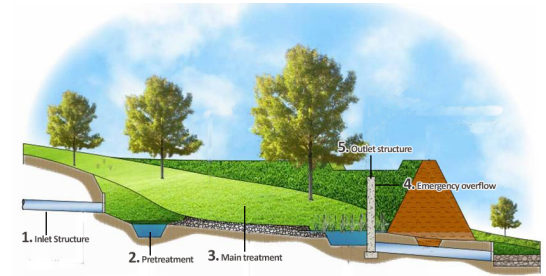
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Inspection Question	Answer			Describe Problem(s) and Solution(s)
	Y	N	NA	
Property Draining to Extended Dry Detention Basin		Success Factors: Vegetation, Protection, Two-Day Drain Time, and Cleanliness		
14. Are litter, trash, debris, sediment, grass clippings, or other materials present in the area?				
<p>Guidance: Trash and other materials can wash into the basin during a storm and can block the inlet, forebay, and outlet structures and fill up the basin storage area. Remove undesirable materials and keep the property clean.</p> <p>Schedule: Monthly</p>				
15. Are there stockpiles of soil, chemicals, equipment, or other materials that could be a source of pollutants washing into the basin during a storm?				
<p>Guidance: Stockpiled materials can contain pollutants that are harmful to plants or that can otherwise be hazardous. Remove or cover undesirable materials, fully preventing their exposure to rainfall or stormwater runoff.</p> <p>Schedule: Monthly</p>				
16. Are there areas of erosion or exposed soil or bare earth that could be a source of sediment washing into the basin during a storm?				
<p>Guidance: Too much sediment washing into an extended dry detention basin can reduce the basin storage. Repair and revegetate all areas of erosion or exposed soil. If vegetation is not intended for those areas, cover them with mulch, wood chips, pavement, or another hard surface to prevent sediment erosion.</p> <p>Schedule: Monthly</p>				
17. Do activities occur nearby that may cause unusual or substantial amounts of pollutants to be discharged to the extended dry detention basin?				
<p>Guidance: Activities include car or equipment washing, pet walking, construction vehicle traffic, etc. Prevent these activities from occurring or take steps to prevent the pollutants from reaching the basin, such as washing cars in areas that drain to the wastewater system, conducting street or parking lot sweeping, installation of pet waste pickup stations, etc.</p> <p>Schedule: Weekly</p>				
18. Notice another problem? Describe in comments.	Your Comments:			

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Extended Dry Detention Basin Inspection Form

Provide a photograph(s) of your BMP to document the compliance inspection to be submitted every other year.

Photograph Description:	Photograph Description:
Date Photograph Taken:	Date Photograph Taken:

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