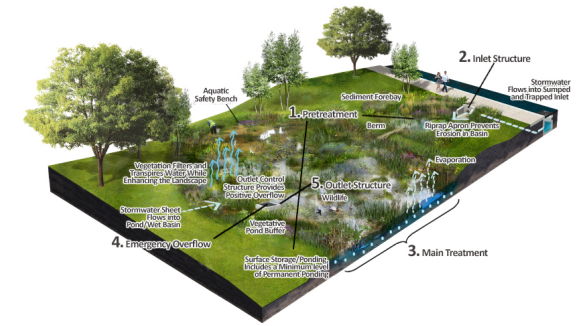


# Extended Wet Detention Inspection Form

All items listed must be inspected unless Not Applicable (NA). Answering “Yes” indicates a need for maintenance. Please include an approximate repair date for items that require maintenance.

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BMP Name(s)	Today's Date:				
	Date of Last Inspection:				
Property Info	Street Address:		City:	State:	Zip:
	Name (Owner, Tenant, Property Manager or Landscape Company):		Contact Name (If Different):		
Who is inspecting the Extended Wet Detention?	Street Address (If conducted by a company, use company address):		City:	State:	Zip:
	Phone #:	Email:	Check one: <input type="checkbox"/> PE <input type="checkbox"/> PLA <input type="checkbox"/> No License #:		
	Name (Person(s) or Company):		Contact Name (If Different):		
Who Owns the Extended Wet Detention?	Street Address:		City:	State:	Zip:
	Phone #:		Email:		

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

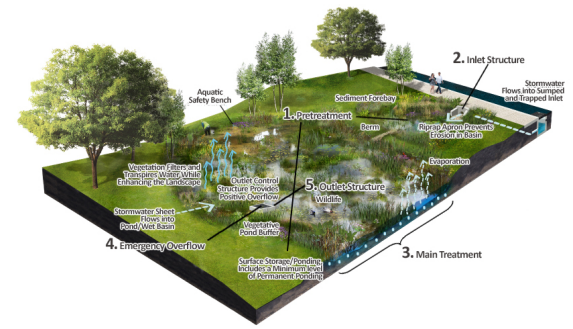
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 215 SE 7<sup>th</sup> St • Topeka, Kansas 66603



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Inspection Question	Answer			Describe Problem(s) and Solution(s)
	Y	N	NA	
<b>Main Treatment Area (Component 3)</b>				
<b>Success Factors: Vegetation, Protection, Two-Day Drain Time, and Cleanliness</b>				
<p><b>1. Is it difficult to access the extended wet detention for inspection and maintenance?</b></p> <p><b>Guidance:</b> Any obstacles blocking access and/or maintenance should be removed. If access is blocked by a permanent fixture (i.e. fence), contact the City of Topeka. <b>Schedule:</b> Monthly</p>				
<p><b>2. Is the top of the earthen berm unlevel or uneven? Are there cracks or animal burrows in the berm?</b></p> <p><b>Guidance:</b> 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, especially if 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 soil. Call the City of Topeka if these problems appear to be getting worse. <b>Schedule:</b> Monthly</p>				
<p><b>3. Is vegetation on the berm dying, diseased, or unhealthy?</b></p> <p><b>Guidance:</b> 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 compose of native plants that maintain the structural integrity of the berm, discourage animal burrowing, allow for adequate inspection of the berm and requires only intermittent mowing. If vegetation appears unhealthy or thin, determine the cause of the issue take corrective action. More frequent watering, fertilizer, plant species replacement, or additional seed or sod may be needed to establish fuller, healthier coverage. <b>Schedule:</b> Seasonally.</p>				
<p><b>4. Are trees present on the berm of the basin?</b></p> <p><b>Guidance:</b> 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. <b>Schedule:</b> Seasonally</p>				
<p><b>5. Is the water level in the extended wet detention high during dry weather?</b></p> <p><b>Guidance:</b> The extended wet detention should generally follow what would be expected under the seasonal or current climatic conditions (slower to drain during wet weather and very dry during a drought). Water should drain out and the extended wet detention should be at its normal water elevation 24-48 hours after most 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. <b>Schedule:</b> Monthly</p>				

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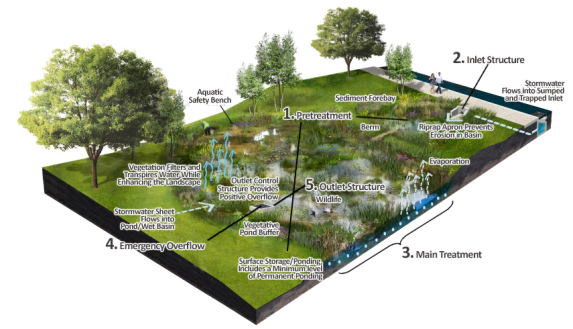
215 SE 7<sup>th</sup> St • Topeka, Kansas 66603



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Inspection Question	Answer			Describe Problem(s) and Solution(s)
	Y	N	NA	
<p><b>6. Are there visible areas of bare soil or deposits of soil in or around the extended wet detention?</b></p> <p><b>Guidance:</b> 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 wet detention. <b>Schedule:</b> Annually</p>				
<p><b>7. Are cattails or other invasive plants growing in the extended wet detention?</b></p> <p><b>Guidance:</b> The depth of the water in the extended wet detention should be too deep for cattails and other invasive plants to grow. Growth of invasives around the edge of the pond may be normal, but should be removed. However, if they extend beyond the edge, it can mean that the correct water depth is not being maintained. The extended wet detention should be checked for dirt buildup and may need to be dredged (see #10). Also check the outflow for flow when there has been no rain, which could indicate a leak in the outflow system. <b>Schedule:</b> Seasonally</p>				
<p><b>8. Is the extended wet detention water discolored? Does it have a foul smell or bubbles? Are there signs of a fish kill?</b></p> <p><b>Guidance:</b> The extended wet detention water can naturally be tea colored or can have a reddish tint or blue-green tint. However, other discoloration, a lot of foam or bubbles, fish kills, or a foul odor could mean that pollutants have been introduced into the extended wet detention. Visually check the area surrounding the extended wet detention to see if there are indicators of spills or pollutants, such as stains on grass or paved surfaces, burnt-looking or dead vegetation, and dead aquatic life. If found, eliminate the cause of the problem. Call the City of Topeka if the problem cannot be eliminated or is persistent and the source of the problem cannot be determined. <b>Schedule:</b> Monthly</p>				
<p><b>9. Are aerators, filters, and bubblers functioning properly?</b></p> <p><b>Guidance:</b> Aeration and turbidity in the water column needs to be sustained through maintenance of fountains, cascades, or bubbler systems. Air tubes, electrical conduit, pumps, and other components need to be serviced early in spring and inspected throughout the growing season to prevent late summer algae blooms. <b>Schedule:</b> Annually (early spring)</p>				
<p><b>10. Is there excessive silt building up in the main treatment area? Survey the pool depth with a probing rod. Does silt reach 10-15% of permanent pool depth.</b></p> <p><b>Guidance:</b> Dredging is required if silt reaches 10-15% of permanent pool depth. <b>Schedule:</b> Every 3 years</p>				
<p><b>11. Notice another problem? Describe in comments.</b></p>	<p><b>Your Comments:</b></p>			

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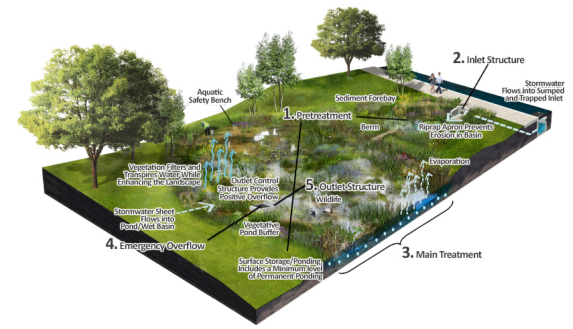
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Inspection Question	Answer			Describe Problem(s) and Solution(s)
	Y	N	NA	
<b><i>Inlet, Pretreatment, &amp; Outlet Structures (Components 1, 2, &amp; 5)</i></b> Success Factors: Vegetation, Protection, Two-Day Drain Time, and Cleanliness				
12. Do the areas where stormwater enters the extended wet detention have unhealthy vegetation, sparse rock, broken concrete, or other damaged materials?				
<p><b>Guidance:</b> 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><b>Schedule:</b> Monthly</p>				
13. Are trash, sediment, debris, grass clippings, or other materials that can obstruct stormwater flow present in the inlet or outlet structures or in their vicinity?				
<p><b>Guidance:</b> Remove unwanted materials and correct any other problems that block the water flow in or out of the extended wet detention. Remove sediment 18” from outlet and when pretreatment structures are 50% full.</p> <p><b>Schedule:</b> Monthly. Annually for sediment removal from outlet and pretreatment structure(s).</p>				
14. Is there bare soil or evidence of erosion or scour at the outlet structure?				
<p><b>Guidance:</b> Outlets and the areas below them should not have any signs of erosion and should be covered with sufficient vegetation, pavement or other material (e.g. rock lining, concrete, asphalt, pavers or even dense vegetation) 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. Consult an experienced professional if you have questions on the size and type of rock.</p> <p><b>Schedule:</b> Seasonally</p>				
15. Is there visual evidence of pollutants at the outlet structure (oil, odd colorations, stains, etc.)?				
<p><b>Guidance:</b> Visually check the outlet structure location(s) and look for discolored or stained grass or rocks or significant stands of unhealthy vegetation. This could be a sign that the extended wet detention is not operating properly or that pollutants have been introduced. If you suspect a pollutant source, contact the City of Topeka.</p> <p><b>Schedule:</b> Monthly</p>				
16. Notice another problem? Describe in comments.	Your Comments:			

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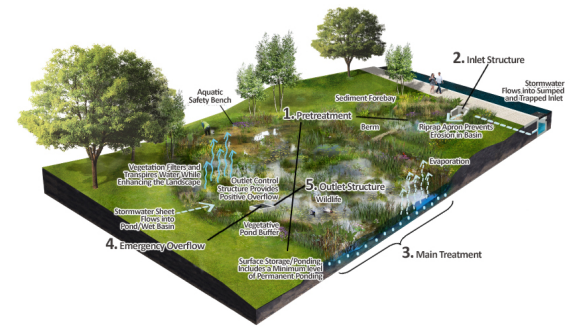
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Inspection Question	Answer			Describe Problem(s) and Solution(s)
	Y	N	NA	
<b>Property Draining to Extended Wet Detention</b>				
<b>Success Factors: Vegetation, Protection, Two-Day Drain Time, and Cleanliness</b>				
17. Are litter, trash, debris, sediment, grass clippings, or other materials present in the area?				
<p><b>Guidance:</b> Trash and other materials can wash into the extended wet detention during a storm and block the inlet and outlet structures as well as fill up the main treatment area. Remove undesirable materials and keep the property clean.</p> <p><b>Schedule:</b> Monthly</p>				
18. Are there stockpiles of soil, chemicals, equipment, or other materials that could be a source of pollutants washing into the extended wet detention during a storm?				
<p><b>Guidance:</b> 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><b>Schedule:</b> Monthly</p>				
19. Are there areas of erosion or exposed soil/bare earth that could be a source of sediment washing extended wet detention during a storm?				
<p><b>Guidance:</b> Too much sediment washing into an extended wet detention can reduce the extended wet detention storage and water depth. 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><b>Schedule:</b> Monthly</p>				
20. Do activities occur nearby that may cause unusual or substantial amounts of pollutants to be discharged to the extended wet detention?				
<p><b>Guidance:</b> 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 extended wet detention, 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><b>Schedule:</b> Weekly</p>				
21. Notice another problem? Describe in comments.	<p><b>Your Comments:</b></p>			

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# Extended Wet Detention Inspection Form

Use this page for any notes, comments, or questions generated by your inspection. If you are using this page to continue your notes from a previous section, please include the section name and section number. You may also use this page to address issues not covered on the inspection form.


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# Extended Wet Detention Inspection Form

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

<b>Photograph Description:</b>	<b>Photograph Description:</b>
<b>Date Photograph Taken:</b>	<b>Date Photograph Taken:</b>

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