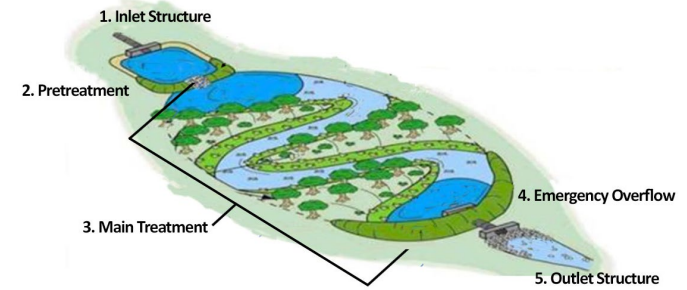


Extended Detention Wetland (EDW) Inspection Form

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.

The maintenance and inspection frequency shall be done in accordance with this BMP Operation & Maintenance Plan. This checklist details these frequency periods, and submittal of the form (every other year) is a certification that you have met these requirements. This inspection shall be done once in every six-year period by a professional engineer (PE) or a professional landscape architect (PLA).



BMP Name(s)	Today's Date:				
	Date of Last Inspection:				
Note: The extended detention wetland 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 Detention Wetland 1" or "Extended Detention Wetland 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 Detention Wetland?	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 Check one:		
			License #:		
Who Owns the Extended Detention Wetland?	Name (Person(s) or Company):		Contact Name (If Different):		
	Street Address:		City:	State:	Zip:
	Phone #:		Email:		
This Section is for City of Topeka Use Only					
Is a Follow Up Inspection by Staff Required? Check One:					
Yes No					
Name of Staff Approving This Inspection Report:					
Date of Inspection Approval:					
Yes No					
Reason for Follow Up?					

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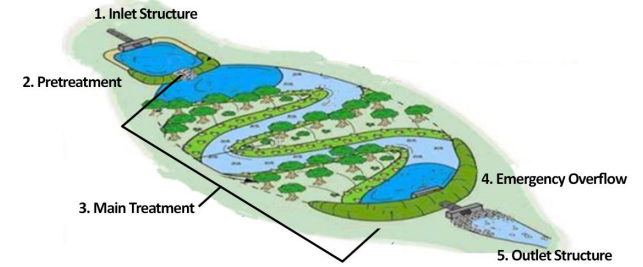
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Inspection Question	Answer			Describe Problem(s) and Solution(s)
	Y	N	NA	
<i>Inlet Structure, Emergency Overflow, & Outlet (Components 1, 4 & 5)</i> Success Factors: Vegetation, Protection, Two-Day Drain Time, and Cleanliness				
1. Are the inlets, outlets, treatment cells, valves, and other mechanical/structural components difficult to access for operation, inspection, and maintenance?				
<p>Guidance: Any obstacles blocking access to, or maintenance of, these components should be removed. Put a note in this form if access is blocked by a permanent fixture (e.g. fence) that is not easily removed. Schedule: Monthly</p>				
2. Are trash, sediment, debris, grass clippings, or other materials that can obstruct stormwater flow present in the inlet or outlet areas?				
<p>Guidance: Remove unwanted materials and correct any other problems that block the water flow into or out of the EDW. Schedule: Monthly</p>				
3. Is water flowing from the outlet when it is not expected?				
<p>Guidance: EDWs are designed to hold water, but when it rains, some water will flow through the BMP and out the outlet. If water is still noted flowing from the outlet 24 hours after a rainfall, note that in the inspection report and look for the cause. During dry periods, an outlet that is discharging water or water that is backed up at the inlet may be an indication of a clog or blockage, or even cracked or damaged structural components, like pipes or concrete components. Determine the cause and correct it. If the cause cannot be determined, you might require the services of a civil engineer. Schedule: Weekly</p>				
4. Is there bare soil or evidence of erosion or scour at the inlet or outlet?				
<p>Guidance: Outlets and the areas below them should be covered with enough vegetation, pavement or other material (e.g. rock lining, concrete, asphalt, pavers or even dense vegetation) to slow the water and prevent erosion. If signs of erosion are visible at the outlet, install a rock lining that extends at least 10 feet beyond the area of erosion. Consult an experienced professional if you have questions on the size and type of rock. Schedule: Seasonally</p>				

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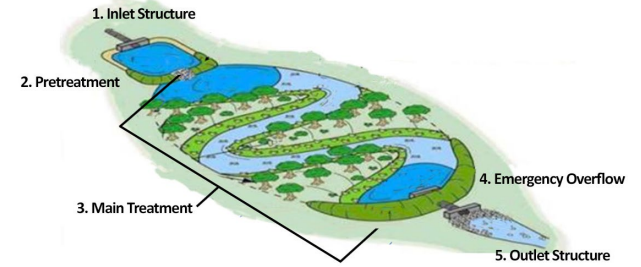
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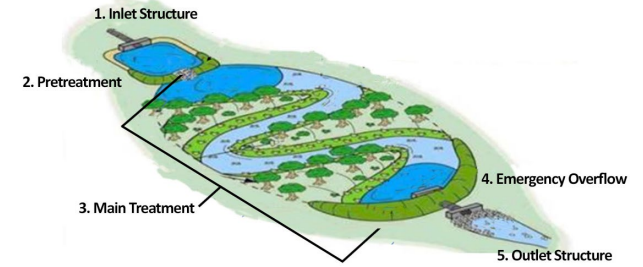
Inspection Question	Answer			Describe Problem(s) and Solution(s)
	Y	N	NA	
<p>5. Is there evidence of erosion, bare soil, broken pipes, or broken concrete at the inlets?</p> <p>Guidance: Inlet areas collecting stormwater from pervious or impervious surfaces should have dense healthy vegetation or a material (e.g. rock, concrete, asphalt, or paver lining) to prevent erosion. Repair eroded areas and cover bare soil immediately with the appropriate vegetation or material cover. Schedule: Monthly</p>				
<p>6. Is there visual evidence of pollutants at the inlets, outlets, or on the surface of the BMP (sheens, oil, odd discoloration, stains, etc.)?</p> <p>Guidance: Inspect areas draining to the EDW and remove potential pollutant sources. Many pollutants can negatively impact the vegetation growing in the treatment cell(s). Schedule: Monthly</p>				
<p>7. Notice another problem? Describe in comments.</p>	<p>Your Comments:</p>			



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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		
8. Is the EDW draining slowly or not at all? Is it clogged?				
<p>Guidance: Water should be present but should not permanently inundate the vegetation. Check for signs of debris, soil, sludge and other materials that can cause clogs or cause odors. If the EDW is clogged and not draining, contact an experienced professional. Replant any unhealthy or dying vegetation.</p> <p>Schedule: Weekly</p>				
9. Does the wetland vegetation appear yellow, diseased, or dead? Does vegetation (not including weeds) cover less than 75% of the planting area?				
<p>Guidance: Healthy wetland vegetation must cover at least 75% of the treatment cell(s). Unhealthy vegetation should be removed and replaced to maintain a density of 75%. Do not apply fertilizer or pesticides to the vegetation, as these materials could cause an imbalance in the wetland water. During establishment (years 1 through 3), watering may be necessary.</p> <p>Schedule: Annually, as needed</p>				
10. Is the wetland vegetation overgrown in the treatment cells? Is non-wetland vegetation (e.g. woody plants) present in the treatment cells?				
<p>Guidance: Under the right conditions, wetland vegetation can quickly become overgrown. If the treatment cell has 100% coverage with wetland vegetation, remove the overgrowth so that the surface coverage density is 75%. During establishment (years 1 through 3) weed control (flail mow, string trim, and/or selective/preemergent herbicides) may be necessary. No trees or deep-rooted woody vegetation should be growing in the treatment cells, as deep-rooted plants can harm the liner. Any plant material pruned or cut should be removed from the wetland and disposed of offsite.</p> <p>Schedule: Annually</p>				
11. 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?				
<p>Guidance: Dredging is required if silt reaches 10-15% of permanent pool depth.</p> <p>Schedule: Every 3 years</p>				
12. Notice another problem? Describe in comments.	Your Comments:			

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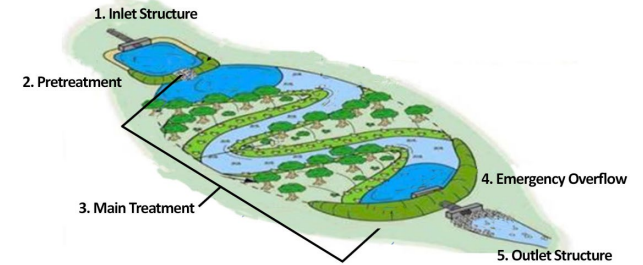
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Inspection Question	Answer			Describe Problem(s) and Solution(s)
	Y	N	NA	
Property Draining to EDW		Success Factors: Vegetation, Protection, Two-Day Drain Time, and Cleanliness		
13. Are there animal burrows, trees, or woody vegetation growing immediately adjacent to the EDW? Are there pavement or soil cracks, holes, or depressions immediately adjacent to the BMP?				
Guidance: The area around the EDW should be paved, vegetated (with grass or other non-woody vegetation), or both. Cracks, depressions, and holes in or adjacent to the BMP can indicate a subsurface issue with the treatment cell or piping system. Measure and log the length, width, and depth of each of these problem on the inspection form and note the location of each issue. Check the treatment cell(s) and piping system for signs of structural damage if you can do so safely. Call a civil engineer for assistance if these problems appear to be getting worse. Schedule: Monthly				
14. Are litter, trash, debris, sediment, grass clippings, or other materials present in the area?				
Guidance: Trash and other materials can be carried into the BMP and block the inlets, outlets, or treatment cells. Remove undesirable materials and keep the property clean. Schedule: Monthly				
15. Are there areas of erosion or exposed soil/bare earth that could be a source of sediment washing into the BMP during a storm?				
Guidance: Too much sediment washing into the treatment cells can clog the EDW. Repair and revegetate all areas of erosion or exposed soil. If vegetation is not intended for these areas, cover them with mulch, wood chips, pavement, or another hard surface to prevent sediment erosion. Schedule: Seasonally				
16. Do activities occur in the area that may cause unusual or substantial amounts of pollutants to be discharged to the EDW?				
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 BMP, such as washing cars in areas that drain to the wastewater system, street or parking lot sweeping, pet waste pickup stations, etc. Schedule: Monthly				
17. Notice another problem? Describe in comments.	Your Comments:			

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Extended Detention Wetland (EDW) 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 Detention Wetland (EDW) 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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