



## Bioretention Area Inspection and Maintenance Checklist

<b>Green Infrastructure Site Location and Address:</b> Forest Ridge Extension, 3850 Chagrin River Road, Moreland Hills, OH 44022		
<b>Date and Time:</b> 08/20/2019 11:54am	<b>Weather Conditions:</b> ☀ Sunny	<b>Date of Last Inspection:</b>
<b>Inspector and Title:</b> Crystal Davis, Watershed Programs Specialist, Spencer Nash, Watershed Programs Intern, Jessica Cotton, GIS Technician		
<b>Site Plan or As-Built Plan Available:</b> Yes		
<b>Action items are noted below in SUMMARY section.</b>		

Inspection Item	Images
<b>DEWATERING</b>	
<p>Standing water is present after 24 hours. If yes, describe sheen, color, or smell.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA</p>	
<p>Action needed.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>	
<p>Comments: No additional comments.</p>	
<b>INLETS</b>	
<p>Inlets are in poor structural condition.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>	
<p>Sediment has accumulated and/or is blocking the inlets.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>	
<p>Erosion is occurring around the inlets.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>	
<p>Action needed.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>	
<p>Comments: No additional comments.</p>	
<b>VEGETATION</b>	
<p>Vegetation is wilting, discolored, or dying due to disease or stress.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>	
<p>Vegetation needs to be controlled through mowing or manual removal.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>	
<p>Action needed.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>	
<p>Comments: No additional comments.</p>	
<b>BIORETENTION MAIN INFILTRATION AREA</b>	
<p>Trash and debris have accumulated.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>	

**Photo 1**

**Photo 2**

Sediment has accumulated at the surface. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Topmost layer is caked or crusted over with sediment. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Erosion is evident. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Mulch is compacted. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Sinkholes or animal borrows are present. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Action needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Comments: No additional comments.

### SIDE SLOPES AND EMBANKMENT

Erosion is evident. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Sinkholes or animal borrows are present. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Action needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Comments: Applicant needs to ensure that the erosion that is present on the side slope is stabilized ( <b>Western cell, gravel parking lot. Refer to photo 5</b> ).

Applicant needs to clear gravel and debris out of the two cells that are in the parking lot (**Refer to photos 1-4**)

### OUTLETS AND OVERFLOW STRUCTURE (i.e., catch basin)

Outlets or overflow structures in poor structural condition. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Sediment, trash or debris is blocking the outlets or overflow structure. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Erosion is occurring around the outlets or overflow structure. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Height from surface of practice to top of overflow structure is insufficient to allow for ponding during rain events. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Action needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Action needed: No additional comments.

### SUMMARY

#### Please address the following items:

1. Ensure the sediment and gravel that has deposited in the two cells directly adjacent to Chagrin River Road, are removed and disposed of properly (**Refer to photos 1, 2, 3, and 4**).
2. Ensure the erosion that is present in the cell located in the parking lot is stabilized (**Refer to photo 5**) (Cell to the right of the entrance, facing Chagrin River Road).



Photo 3



Photo 4



**Photo 5**