


## Bioretention Area Inspection and Maintenance Checklist

<b>Facility:</b> Arch Park			
<b>Location/Address:</b> 4930 Broadway Ave, Cleveland, Ohio, 44127			
<b>Date:</b> 7/2/2019	<b>Time:</b> 10:44am	<b>Weather Conditions:</b> Sunny	<b>Date of Last Inspection:</b> N/A
<b>Inspector:</b> Chris Hartman, CPESC, CESSWI, CPSWQ, Stormwater Technical Specialist, Crystal Davis, Watershed Programs Specialist, Spencer Nash, Watershed Programs Intern, Jessica Cotton GIS Technician.		<b>Title:</b> Inspection Report	
<b>Rain in Last 48 Hours</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>If yes, list amount and timing:</b> N/A			
<b>Pavement Type:</b> <input type="checkbox"/> permeable interlocking concrete pavement (PICP) <input checked="" type="checkbox"/> asphalt <input type="checkbox"/> concrete <input type="checkbox"/> other, specify:			
<b>Pretreatment:</b> <input type="checkbox"/> vegetated filter strip <input type="checkbox"/> swale <input type="checkbox"/> turf grass <input type="checkbox"/> forebay <input checked="" type="checkbox"/> other, specify: Trench Drains <input type="checkbox"/> none			
<b>Site Plan or As-Built Plan Available:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<i>Action items are noted below in SUMMARY section.</i>			

Inspection Item	Images
<b>1. PRETREATMENT</b>	
Sediment has accumulated. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Trash and debris have accumulated. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	
Action needed. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Comments: Sediment has accumulated in the trench drains and needs to be cleared in order to allow water to flow into the practice.	
<b>2. DEWATERING</b>	
Standing water is present after 24 hours. If yes, describe sheen, color, or smell. <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.	
<b>3. INLETS</b>	
Inlets are in poor structural condition. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	
Sediment has accumulated and/or is blocking the inlets. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Erosion is occurring around the inlets. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	
Action needed. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Comments: Sediment has accumulated in the trench drains.	

**Photo 1. Refer to action item 1.**

<b>4. VEGETATION</b>
Vegetation is wilting, discolored, or dying due to disease or stress. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Vegetation needs to be controlled through mowing or manual removal. <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
Comment: No additional comments.
<b>5. BIORETENTION MAIN INFILTRATION AREA</b>
Trash and debris have accumulated. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
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.
<b>6. SIDE SLOPES AND EMBANKMENT</b>
Erosion is evident. <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: Erosion present by pervious asphalt.
<b>7. OUTLETS AND OVERFLOW STRUCTURE (i.e., catch basin)</b>
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. Note: No additional comments.



**Photo 2. Refer to action item 2.**



**Photo 3. Refer to action item 3.**

## **SUMMARY**

### **Additional Action Required:**

To be in compliance, the applicant needs to address the following:

1. Remove the sediment and debris that has clogged the trench drains (Photo 1).
2. Address the erosion that has affected the pervious concrete (Photo 2).
3. Address the clogging of pervious asphalt (Photo 3).
4. Ensure bags are properly disposed of and minor weeding of thistle and other weeds are removed.