


## Bioretention Area Inspection and Maintenance Checklist

<b>Green Infrastructure Site Location and Address:</b> 3952 Brow Ave Newburgh Heights, OH 44105		
<b>Date and Time:</b> 07/2/2019 9:59am	<b>Weather Conditions:</b> ☀ Sunny	<b>Date of Last Inspection:</b>
<b>Inspector and Title:</b> Chris Hartman, CPESC, CESSWI, CPSWQ, Stormwater Technical Specialist, Crystal Davis, Watershed Programs Specialist, Spencer Nash, Watershed Programs Intern		
<b>Rain in Last 48 Hours</b> No <b>If yes, list amount and timing:</b> N/A		
<b>Pretreatment:</b> Other, Specify		<b>Other, specify:</b> N/A
<b>Site Plan or As-Built Plan Available:</b> Yes		
<b>Action items are noted below in SUMMARY section.</b>		

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA		
Action needed. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA		
Comments: Ensure that sediment is cleared out of the trench drains that convey flow to the practice. Minor trash accumulation in the cell. Recommend to applicant that it is removed ( <b>Refer to action item 3</b> ).		
<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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA		

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

Comments: Accumulation of debris in curb cut. Recommend to applicant that it is cleaned out and disposed of properly.
<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
Comments: <b>Refer to action item 4.</b>
<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 checked="" type="checkbox"/> Yes <input 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: Erosion of topsoil is evident. Applicant needs to address the erosion in the middle of the cell east of the bollards.
<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: No additional comments.
<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
Comments: No additional comments.



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

## **SUMMARY**

### **Additional Action Required:**

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

1. Provide an answer on why the upturned elbow is currently capped (Photo 1).
2. Address the erosion that is taking place near the concrete bollards (Photo 2).
3. Remove the sediment and debris that has clogged the trench drain.
4. Conduct minor weeding efforts.