




Bioretention Area Inspection and Maintenance Checklist

Green Infrastructure Site Location and Address: Fleet Ave Permeable Pavement & Stone Retention		
Date and Time: 07/2/2019 10:18am	Weather Conditions: ☀️ Sunny	Date of Last Inspection:
Inspector and Title: Chris Hartman, CPESC, CESSWI, CPSWQ, Stormwater Technical Specialist, Crystal Davis, Watershed Programs Specialist, Spencer Nash, Watershed Programs Intern, Jessica Cotton, GIS Technician		
Rain in Last 48 Hours No	If yes, list amount and timing: N/A	
Pretreatment: Other, Specify	Other, specify: N/A	
Site Plan or As-Built Plan Available: Yes		
Action items are noted below in SUMMARY section.		

Inspection Item	Images
1. PRETREATMENT	
Sediment has accumulated. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	 <p>Photo 1. (Refer to action item 1).</p>
Trash and debris have accumulated. <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	
2. DEWATERING	
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.	
3. INLETS	
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	
Comments: Accumulation of debris in curb cut. Recommend to applicant that it is cleaned out and disposed of properly.	

4. VEGETATION	
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 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: Weeding should be conducted.	
5. BIORETENTION MAIN INFILTRATION AREA	
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.	
6. SIDE SLOPES AND EMBANKMENT	
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.	
7. 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	
Additional Action Required:	
1. Ensure weeds that are present in photo 1 are removed.	

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Action items are noted below in SUMMARY section.		

Inspection Item	Images
1. PRETREATMENT 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: Minor sediment accumulation and vegetation has started to settle in the practice. Some areas joints have started to come out of pavers.	 <p>Photo 1. (Refer to action item 2).</p>
2. PAVEMENT TRANSITION AREA Non-permeable transition area at pavement edges is unstable/deteriorating <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.	 <p>Photo 2. (Refer to action item 2).</p>
3. DEWATERING 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.	
4. PAVEMENT SURFACE AND JOINTS Sediment has accumulated on pavement surface. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA Trash and debris have accumulated on pavement surface or	


around curbing. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<div style="border-top: 1px dashed black; border-bottom: 1px dashed black; height: 100px; position: relative;">  </div>
Pavement has deteriorated, cracked, settled, or raveled. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	
Sediment has accumulated in the joints of PICP. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	
Vegetation is growing in the joints of PICP. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Gravel is insufficient in the joints of PICP. <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: Inform applicant that routine maintenance should be conducted. Clearing of vegetation and sweeping joints back into the paver voids.	
<div style="background-color: #f4a460; padding: 2px; border: 1px solid black;"> Wet weather inspection to be conducted by NEORS </div>	
<div style="border: 1px solid black; padding: 10px;"> <div style="background-color: #f4a460; padding: 2px; border: 1px solid black; margin-bottom: 10px;"> Wet weather inspection to be conducted by NEORS </div> <div> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA </div> </div>	

Photo 3. (Refer to action item 3)

SUMMARY

Additional Action Required:

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

1. Fill the joints of the permeable pavers back in. This can be done through the means of a large brush (photo 1, permeable pavers).
2. Remove the vegetation that is growing in-between the joints of the permeable pavers (photo 2, permeable pavers)
3. Remove the debris blocking the curb inlets (photo 3, permeable pavers)