

# City of Valley Center

## Stormwater Facility Inspection & Maintenance Guidance

### Modular Porous Paver Areas

Regular inspection and maintenance is critical to the effective operation of this stormwater management facility so that it can function as designed. In the City of Valley Center, local regulations require that property owners maintain all stormwater facilities on their properties to ensure they are fully functioning control stormwater runoff, and to document facility inspections and maintenance activities. This documentation must be kept by the property owner and must be made available to Stormwater Management staff upon their request.

This page provides guidance on inspection and maintenance activities that must be performed for modular porous pavement areas. Some facilities may have more, or less, frequent maintenance needs, depending upon a variety of factors including the occurrence of large storm events, overly wet or dry (i.e., drought) regional hydrologic conditions, and any changes in the land (e.g., development, landscaping, etc.) that drains to the facility.

Inspection Activities	Suggested Schedule
<ul style="list-style-type: none"> <li>Determine if the porous paver surface is free of sediment and debris (e.g., mulch, leaves, trash, etc.).</li> <li>Determine if standing water exists for long periods of time after a storm event.</li> </ul>	As needed
<ul style="list-style-type: none"> <li>Check that stormwater is not stored in the paver system longer than 48 hours after a storm.</li> <li>Inspect vegetated areas that drain to the paver system and the paver system itself for evidence of erosion.</li> </ul>	Monthly
<ul style="list-style-type: none"> <li>Inspect the surface of the paver system for structural integrity, deterioration, compaction, or spalling.</li> </ul>	Annually
Maintenance Activities	Suggested Schedule
<ul style="list-style-type: none"> <li>Ensure that contributing area and porous paver surface are clear of debris (e.g., mulch, leaves, trash, etc.).</li> <li>Stabilize (i.e., cover exposed soil) vegetated areas that discharge, or are adjacent to, the porous paver system. Grassy areas should be fully vegetated and mowed, with grass clippings removed. Landscaped areas should be designed and/or maintained such that they will not discharge debris (e.g., mulch, leaves) to the paver system, or that such debris is removed often.</li> </ul>	As needed
<ul style="list-style-type: none"> <li>Vacuum sweep porous paver surface to keep free of sediment.</li> </ul>	Quarterly
<ul style="list-style-type: none"> <li>Repair or reinstall the porous paver system, including the top and base course.</li> </ul>	As needed

#### Additional Maintenance Considerations and Requirements

- Additional maintenance requirements for a porous paver system should be obtained from the manufacturer of the system and included in the Operations and Maintenance Plan for the site.

The inspection checklist that is presented on the next page is provided to guide and document inspection and maintenance activities. Please use this checklist or other form(s) of maintenance documentation when and where deemed necessary in order to ensure the long-term proper operation of the stormwater management facility.

For more information on the maintenance of your stormwater facility, please contact:  
**City of Valley Center Stormwater Management, 545 W. Clay Valley Center KS. 67147, (316) 755-7320**

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## Modular Porous Paver Area Inspection Checklist

Project Name: \_\_\_\_\_ Project #: \_\_\_\_\_

BMP Name/ID (as shown on the O&M Plan): \_\_\_\_\_

Refer to the Operations & Maintenance Plan for this property to get the information requested in this box. The Operations and Maintenance Plan for this property is recorded with the Sedgwick County Register of Deeds.

Property Owner Name: \_\_\_\_\_

Property Address: \_\_\_\_\_

Owner Phone #: \_\_\_\_\_ Owner Email Address: \_\_\_\_\_

Owner Change since last inspection? Y      N

Inspection Date/Time: \_\_\_\_\_

Weather and Site Conditions (last rainfall date, dry/wet soil, etc.): \_\_\_\_\_

Inspection Items	Condition*	Comments/Corrective Action
*Note - Condition should be marked as Satisfactory (S) or Unsatisfactory (U). An explanation of corrective actions must be provided for all items marked as Unsatisfactory. The completion date of any corrective actions taken must also be documented.		
<b>Inspect the porous pavement area.</b>		
1. Are there signs that the paver area is clogged (e.g., standing water)? <b>Yes = Unsatisfactory</b>		
2. Is there debris (mulch, trash) accumulation? <b>Yes = Unsatisfactory</b>		
3. Is there sediment accumulation? <b>Yes = Unsatisfactory</b>		
4. Is there standing water? <b>Yes = Unsatisfactory</b>		
5. Are there signs of erosion (washing away of soil) from underdrain? <b>Yes = Unsatisfactory</b>		
6. Is there exposed soil in the areas that drain to, or the areas adjacent to, the porous pavement area? <b>Yes = Unsatisfactory</b>		

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## Modular Porous Paver Area Inspection Checklist

Inspection Items	Condition*	Comments/Corrective Action
7. Does stormwater runoff discharge from pavement area within 24 to 48 hours after the end of a storm event? <b>Yes = Satisfactory</b>		
8. Other (describe)?		
9. Other (describe)?		
<b>Identify any potential hazards to humans or the environment.</b>		
10. Have there been complaints from residents? <b>Yes = Unsatisfactory</b>		
11. Are there any other public hazards that should be noted? <b>Yes = Unsatisfactory</b>		

By signing my name below, I certify that the information submitted in this document (and all attachments) is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are penalties for knowingly submitting false information, including the possibility of regulatory violations and associated fines.

Inspected by (Name): \_\_\_\_\_

Inspected by (Signature): \_\_\_\_\_