## Inspection and Maintenance Requirements for Permeable Pavement

| Components | Required Inspection Frequency[1] | Condition when Maintenance Required | Action Required | Satisfactory | Unsatisfactory | Comments |
|---|---|---|---|---|---|---|
| ***Surface (address applicable components)*** | | | | | | |
| Permeable pavements, all | A | Infiltration capacity of surface restricted due to clogging. | Remove sediment and debris. Maintenance methods include use of sidewalk sweepers equipped with vacuums, and brushes to remove surface debris during dry season. Use industrial pressure washer to restore permeability. Anticipate maintenance one to two times annually. | | | |
| | Ongoing | None. Maintenance to prevent clogging with fine sediment. | Prohibit use of sand and sealant application and protect from construction runoff. | | | |
| | A | None. | Remove sediment, debris, vegetation and any compacted materials such as trash. | | | |
| | As Needed | Utility cuts. | See utility restoration protocol on SPU NDS website at www.seattle.gov/util/naturalsystems. | | | |
| Inlet/outlet pipe | A | Pipe is damaged. | Repair/replace | | | |
| | A | Pipe is clogged. | Remove roots or debris | | | |
| Outlet pipe/structure | A, S | Sediment, vegetation, or debris blocking 1/2 capacity of inlet structure. | Clear the blockage. Identify the source of the blockage and take actions to prevent future blockages. | | | |

**Inspection and Maintenance Requirements for Permeable Pavement (continued)**

| Components | Required Inspection Frequency[1] | Condition when Maintenance Required | Action Required | Satisfactory | Unsatisfactory | Comments |
|---|---|---|---|---|---|---|
| ***Surface (address applicable components)*** *(continued)* | | | | | | |
| Permeable asphalt or cement concrete | A | Major cracks or trip hazards and concrete spalling and raveling. | Fill with patching mixes. Large cracks and settlement may require cutting and replacing the pavement section. Take appropriate precautions to prevent clogging of adjacent porous materials. See utility restoration protocol on SPU NDS website at www.seattle.gov/util/naturalsystems | | | |
| Interlocking concrete paver blocks or open-celled paving grid | A | Paver block or paving grid missing or damaged. | Replace or repair damaged paver block or paving grid | | | |
| | A | Settlement of surface. | May require resetting | | | |
| | A | Loss of void material between paver blocks. | Refill per manufacturer's recommendations. | | | |
| Interlocking concrete paver blocks or open-celled paving grid (continued) | Based on manu-facturer's instructions | Varied conditions. | Perform O&M per manufacturer's recommendations. | | | |
| ***Overflows and Emergency Spillways*** | | | | | | |
| Obstructions / debris | B | Obstructions or debris block 50% or more of outlet structure. | Remove/dispose | | | |
| Erosion | B | Native soil is exposed or other signs of erosion damage are present. | Repair erosion and stabilize surface of spillway | | | |

**Inspection and Maintenance Requirements for Permeable Pavement (continued)**

| Components | Required Inspection Frequency[1] | Condition when Maintenance Required | Action Required | Satisfactory | Unsatisfactory | Comments |
|---|---|---|---|---|---|---|
| ***Spill Prevention and Response*** | | | | | | |
| Spills response | As needed | Release of pollutants. Call to report any spill to the Seattle Operations Response Center at 206-386-1800. | Cleanup spills as soon as possible to prevent contamination of stormwater | | | |
| Spill prevention | Ongoing | Mechanical systems require the presence of potential contaminants. | Exercise spill prevention measures whenever handling or storing potential contaminants | | | |

[1] Inspection frequency:
A = Annually; B = Biannually (twice per year); W = At least one inspection should occur during the wet season. For debris/clog related maintenance, this inspection should occur in the early fall, after deciduous trees have lost their leaves.