SUSTAINABLE RUNOFF SOLUTIONS

Stormwater Control Measure Condition Scoring Criteria

The condition score represents the quantitative degree of structural deficiencies, factors limiting the function of a SCM and the buildup of contaminates in the system. A condition score is given to each stormwater control measure (SCM) based on a field inspection with function testing.

A condition score of 10 represents a newly constructed SCM. A score ranging from 9 to 7 represents a stormwater control measure with minor deficiencies that is functioning correctly and can continue to function with routine maintenance. A condition score ranging from 6 to 4 represents a SCM that has some deficiencies and will require restorative maintenance to allow the system to function correctly. A condition score ranging from 3 to 1 represents a SCM that has major deficiencies and will require some level of reconstruction to allow the system to function again.

	Condition Score	**Permeable Interlocking Concrete Pavers (PICP)**		
		Structure	Function	Contaminant Load
Routine Maintenance	10	New Infrastructure		
	9	Limited to no paver block degradation, block settlement < 1-inch, minor boarder cracking	Wetted area infiltration testing with flow spread less than 6-feet and only minor loss of filter aggregate within joints	Limited sediment and leaf litter observed within paver joints. Little to no vegetation observed within paver joints. No sediment observed within underdrain.
	8			
	7			
Restorative Maintenance	6	Some paver block degradation, block settlement < 1-inch, some boarder cracking	Wetted area infiltration testing with flow spread less than 10-feet and significant loss of filter aggregate within joints	Paver joints are mostly clogged with leaf litter and sediment. Vegetation growing within paver joints. No sediment observed within underdrain.
	5			
	4			
Reconstruction	3	Major paver block degradation and missing paver blocks, block settlement > 1-inch, major boarder cracking	Wetted area infiltration testing with flow spread greater than 10-feet and **flow spread can't be reduced with restorative maintenance procedure**	Paver joints mostly clogged with leaf litter and sediment. Vegetation growing within paver joints. Some sediment observed within underdrain.
	2			
	1			

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	Condition Score	Extended Detention Pond (EDB)		
		Structure	Function	Contaminant Load
Routine Maintenance	10	New Infrastructure		
	9	Limited or no cracking or scaling observed within any concrete structures (inlets, forebay, trickle channel or outlet). All grates and flow control elements are present and functioning. Only non- woody vegetation is growing within 5 feet of any structure.	Forebay weir is only partially blocked with debris. Well screen partially blocked with trash and debris. All other flow control systems (orifice plate, major/minor weir, trash rack clear). Inlet pipes are clear and can convey runoff freely.	All sediment located within forebay and trickle channel.
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Restorative Maintenance	6	Only minor cracking observed within any concrete structures (inlets, forebay, trickle channel or outlet structure). Grates and flow control elements are missing attachments. Woody vegetation is growing within 5 feet of a concrete structure.	The inflow pipes are blocked with debris. The outlet is not functioning properly due to debris and sediment blockage.	Forebay sediment depth is greater than half the depth of the containment walls or sediment and debris is being released from the forebay weir. The outlet structure micro pool is half full of sediment and debris.
	5			
	4			
Reconstruction	3	Significant cracking or structural failures observed within any concrete structures (inlets, forebay, trickle channel, or outlet). Grates and flow control elements are missing or damaged. Concrete trickle channel is no longer conveying minor flows to the outlet. Structures settling or no longer level.	Any component of the pond system is not functioning as designed after sediment and debris are removed. Pond does not fully drain after 72 hours.	Sediment is backing up into the main storage area of the pond limiting design volume.
	2			
	1			

	Condition Score	Rain Garden / Bioretention		
		Structure	Function	Contaminant Load
Routine Maintenance	10	New Infrastructure		
	9	Limited or no cracking or scaling observed within any concrete structures (containment wall, inlets, forebay, outlet). All grates and flow control elements are present and functioning.	All intended vegetation is healthy in all areas of the SCM Only minor quantities of debris and sediment observed within outlet structure.	Sediment and debris are contained to the pretreatment (forebay). Little to not sediment observed within the filter media.
	8			
	7			
Restorative Maintenance	6	Only minor cracking or scaling observed within any concrete structures (containment wall, inlets, forebay, outlet). Grates and flow control elements are missing or damaged.	Limited intended vegetation is growing within filter media. Limited standing water can be observed within the SCM 12 hrs after a storm event. A significant quantity of debris is observed within outlet structure backing up water in the structure.	Sediment and debris are observed within some filter media. Some sediment and debris located within the outlet structure.
	5			
	4			
Reconstruction	3	Significant cracking observed within any concrete structures (containment wall, inlets, forebay, outlet). Grates and flow control elements are missing or damaged. Structures settling or no longer level.	Little to no intended vegetation is growing within filter media. Most of the filter media is clogged with sediment and debris. Standing water can be observed within the SCM 12 hrs after a storm event.	Sediment is observed covering a majority of the filter media preventing plant growth. Sediment can be observed within the underdrain and/or outlet structure preventing discharge.
	2			
	1			

SUSTAINABLE RUNOFF SOLUTIONS

	Condition Score	Underground SCM		
		Structure	Function	Contaminant Load
Routine Maintenance	10	New Infrastructure		
	9	Limited or no cracking or scaling observed within any concrete structures. All structures are fit together correctly with not gaps between structures. All covers and lids are installed and fitting correctly. Routine maintenance can not be performed on underground SCM.	Sediment and debris are observed within appropriate storage chambers. No flow is directly bi-passing treatment system. Routine maintenance can not be performed on underground SCM.	Floatables are not blocking openings. Pre-treatment or storage vault is **less than half full below invert** out (or below measured sediment load identified in the manufacturer maintenance recommendation). Routine maintenance can not be performed on underground SCM.
	8			
	7			
Restorative Maintenance	6	Limited or no cracking or scaling observed within any concrete structures. All structures are fit together correctly with not gaps between structures.	Sediment and debris are observed within appropriate storage chambers. No flow is directly bi-passing treatment system.	Floatables are not blocking openings. Pre-treatment or storage vault is **more than half full of sediment** (Sediment load greater than the manufacturer maintenance recommended depth)
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	4			
Reconstruction	3	Significant cracking or structural failures observed within any structures. Flow control elements are missing or damaged. Structures settling or no longer level.	In-flow is bi-passing treatment system. Sediment or debris is observed within outflow location.	Floatables are blocking openings. Pre-treatment, storage vault or isolator row is beyond full capacity allowing sediment to bypass primary treatment system.
	2			
	1			

	Condition Score	Storm Sewer		
		Structure	Function	Contaminant Load
Routine Maintenance	10	New Infrastructure		
	9	Limited or no cracking or scaling observed within any concrete structures. All structures are fit together correctly with not gaps between structures. All covers and lids are installed and fitting correctly.	All pipes and manholes are free of obstructions to limit capacity. Inlets have some debris clogging the inflow. Routine maintenance storm sewers is limited to removal of debris on the surface openings.	Little to no sediment and debris are observed within manholes, inlets or outlet. Sediment and debris are observed within structure sumps below invert. Inlets have some debris clogging the inflow from the surface. Routine maintenance storm sewers is limited to removal of debris on the surface openings.
	8			
	7			
Restorative Maintenance	6	Some cracking or scaling observed within any concrete structures. All structures are fit together correctly with not gaps between structures. All covers and lids are installed and fitting correctly.	Sediment and debris within pipes and manholes is limiting flow capacity.	Sediment and debris are observed within manholes, inlets or outlet. Sediment and debris are observed within structure sumps above invert.
	5			
	4			
Reconstruction	3	Significant cracking or structural failures observed within any structures. Any standing water is observed with pipes due to sagging or structural settlement. Water is exiting the storm sewer system through gaps or failures in the pipe or structures. Any covers or lids are missing, broken or not fitting correctly.	Flow conveyance is mostly limited.	Sediment and debris is fully clogging the conveyance of flow through the system.
	2			
	1			