

**GENERAL INFORMATION:**

<b>BMP Identifier:</b>	<b>Inspection type:</b>
<b>Address :</b>	<b>Location:</b>
<b>BMP construction date:</b>	<b>BMP assumption date:</b>

**VISUAL INDICATORS:**

<b>Inspection date and time:</b>	<b>Weather (24 hours prior to inspection):</b>
<b>Inspected by:</b>	<b>Inspection duration (minutes):</b>

ZONE	INDICATOR & TRIGGER FOR FOLLOW-UP	CONDITION		FOLLOW-UP
CDA	<b>Contributing drainage area condition:</b> Area differs by >10% from design or as-built drawing; Excessive trash, debris, sediment or other pollutant load is present or impairing function of the BMP; Land cover has changed	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
INLET	<b>Inlet structural integrity:</b> Damage to inlet or flow spreader structure is impairing function of the BMP	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Inlet obstruction:</b> Sediment/trash/debris/vegetation ≥5 cm deep or blocking inflow over one third (33%) of the width	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Pretreatment sediment accumulation:</b> Device is ≥50% full of sediment/trash/debris or inflow of water to the BMP is impaired	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Inlet erosion:</b> Gullies or bare soil areas ≥ 30 cm in length are visible	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>

PERIMETER	<b>BMP dimensions:</b> Differ from design or as-built drawing by >10%	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Side slope erosion:</b> Gullies, ruts or bare soil areas ≥30 cm in length are visible	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Surface ponding area:</b> Effective surface ponding area differs from design by >25%	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
FILTER BED	<b>Standing water:</b> Standing water ponded on filter bed surface >24 hours after the end of a storm event	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Trash:</b> Trash is visible and impairing aesthetics or function of the BMP	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Filter bed erosion:</b> Gullies, ruts or bare soil areas ≥30 cm in length are visible	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Mulch depth:</b> Average depth is less than 5 cm or greater than 15 cm or bare soil areas are visible	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Filter bed sediment accumulation:</b> Mean or local accumulation of sediment is ≥5 cm in depth	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Surface ponding depth:</b> Maximum differs from design by ≥10 cm	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>

FILTER BED	<b>Filter bed surface sinking:</b> Local surface depressions are $\geq 10$ cm in depth or animal burrows are visible	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Check dams:</b> Structures are missing or buried in sediment	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
PLANTING AREA	<b>Vegetation cover:</b> Less than 80% of planting area is covered by living vegetation	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Vegetation condition:</b> Vegetation is over-grown or over-crowded and is impairing aesthetics or obstructing sight lines needed for safety	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
	<b>Vegetation composition:</b> More than 50% of the vegetation is undesirable (e.g. weeds, invasive) or not the species specified in the planting plan	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>
OUTLET	<b>Overflow outlet obstruction:</b> Structural damage, sediment/trash/debris is obstructing outflow, structure is full of water or grate is missing	<b>Comments/Measurements:</b>		<b>Action:</b>
		<b>Water level (cm):</b>		
	<b>Pass:</b>	<b>Fail:</b>	<b>Timeframe:</b>	
<b>Codes</b> <b>Inspection type:</b> C = Construction; A = Assumption; RO = Routine Operation; MV = Maintenance Verification; PV = Performance Verification <b>Comments:</b> NA = not applicable; NI = not inspected. <b>Actions:</b> 0 = no action necessary; 1 = routine maintenance needed; 2 = structural repair needed; 3 = further investigation needed.				

**Photographs:**

**Notes and Sketches:**

SOIL CHARACTERIZATION TESTING:

BMP Identifier	Inspection Type:
Sampling date and time:	Weather (24 hours prior to sampling):
Sampled by:	Sampling duration (minutes):

Sampling Location	Sample Collected? (Y/N)	Topsoil Depth (cm)	Maximum Penetrometer Reading (PSI, kg/cm <sup>2</sup> or kPa)	Sample Location	Sample Collected? (Y/N)	Topsoil Depth (cm)	Maximum Penetrometer Reading (PSI, kg/cm <sup>2</sup> or kPa)

**Notes and Sketches:**

**NATURAL OR SIMULATED STORM EVENT TESTING:**

<b>BMP Identifier:</b>	<b>Inspection Type:</b>
<b>Testing date and time:</b>	<b>Check dam invert height (cm, between check dam invert and the soil or sediment surface on the upstream side):</b>
<b>Tested by:</b>	<b>Test duration (hours):</b>

Term	Parameter	Test 1	Test 2	Test 3	Mean
<b>A</b>	<b>Volume of water directed to the BMP (L or m<sup>3</sup>, estimated from CDA and rainfall depth for natural storm events, measured by magnetic flow meter for simulated storm events):</b>				
<b>B</b>	Maximum post-storm filter bed surface water level (mm, at end of rainfall or delivery of water to the BMP):				
<b>C</b>	Date/time (mm/dd/yyyy hh:mm:ss) of maximum post-storm filter bed surface water level:				
<b>D</b>	Date/time (mm/dd/yyyy hh:mm:ss) when filter bed surface water level reaches 50 mm:				
<b>E</b>	Minimum post-storm filter bed surface water level (mm, zero or static reading or level just prior to onset of next rain storm):				
<b>F</b>	Date/time (mm/dd/yyyy hh:mm:ss) of minimum post-storm filter bed surface water level (zero or static reading or level just prior to onset of next rain storm):				
<b>G</b>	Date/time (mm/dd/yyyy hh:mm:ss) when filter bed surface is fully drained (zero or static water level reading):				
<b>H</b>	<b>Filter bed surface ponding event duration (h, (G-C)*24):</b>				
<b>I</b>	<b>Filter bed surface infiltration rate estimate (mm/h, (F-D)*24):</b>				

<b>Acceptance Criteria:</b>	
Water flows into BMP as intended; Filter bed (i.e., swale) surface infiltration rate $\geq 15$ mm/h and $\leq 203$ mm/h, or consult manufacturer or vendor for an acceptable range specific to the product;	Surface water storage reservoir (i.e., surface ponding behind check dams) fully drains within 24 hours of the end of the storm.