GENERAL INFORMATION:

BMP Identifier:	**Inspection type:**
Address :	**Location:**
BMP construction date:	**BMP assumption date:**

VISUAL INDICATORS:

Inspection date and time:	**Weather (24 hours prior to inspection):**
Inspected by:	**Inspection duration (minutes):**

ZONE	INDICATOR & TRIGGER FOR FOLLOW-UP	CONDITION		FOLLOW-UP
CDA	**Contributing drainage area condition:** 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	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**
INLET	**Inlet structural integrity:** Damage to inlet or flow spreader structure is impairing function of the BMP	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**
	Inlet obstruction: Sediment/trash/debris/vegetation ≥5 cm deep or blocking inflow over one third (33%) of the width	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**
	Pretreatment sediment accumulation: Device is ≥50% full of sediment/trash/debris or inflow of water to the BMP is impaired	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**
	Inlet erosion: Gullies or bare soil areas ≥ 30 cm in length are visible	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**

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

FILTER BED	**Filter bed surface sinking:** Local surface depressions are ≥10 cm in depth or animal burrows are visible	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**
	Check dams: Structures are missing or buried in sediment	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**
PLANTING AREA	**Vegetation cover:** Less than 80% of planting area is covered by living vegetation	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**
	Vegetation condition: Vegetation is over-grown or over-crowded and is impairing aesthetics or obstructing sight lines needed for safety	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**
	Vegetation composition: More than 50% of the vegetation is undesirable (e.g. weeds, invasive) or not the species specified in the planting plan	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**
OUTLET	**Monitoring well condition:** Structural damage or sediment clog is visible and impairing its function or cap is missing	**Comments/Measurements:** **Water level (cm):**		**Action:**
		Pass:	**Fail:**	**Timeframe:**
	Sub-drain obstruction: Structural damage, sediment clog or vegetation roots are visible and reducing conveyance capacity of the pipe by ≥ 33%	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**
	Overflow outlet obstruction: Structural damage, sediment/trash/debris is obstructing outflow, structure is full of water or grate is missing	**Comments/Measurements:**		**Action:**
		Pass:	**Fail:**	**Timeframe:**

Codes

Inspection type: C = Construction; A = Assumption; RO = Routine Operation; MV = Maintenance Verification; PV = Performance Verification

Comments: NA = not applicable; NI = not inspected.

Actions: 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)	Filter Media Depth (cm)	Maximum Penetrometer Reading (PSI, kg/cm^2 or kPa)	Sample Location	Sample Collected? (Y/N)	Filter Media Depth (cm)	Maximum Penetrometer Reading (PSI, kg/cm^2 or kPa)

Notes and Sketches:

NATURAL OR SIMULATED STORM EVENT TESTING:

BMP Identifier:	**Inspection Type:**
Testing date and time:	**Sub-surface water storage reservoir depth (mm):**
Tested by:	**Test duration (hours):**

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

N	Sub-surface storage reservoir ending water level (mm, one quarter full water level):				
O	Date/time (mm/dd/yyyy hh:mm:ss) of sub-surface storage reservoir ending water level (one quarter full):				
P	Date/time (mm/dd/yyyy hh:mm:ss) when sub-surface storage reservoir is fully drained (zero or static water level reading):				
Q	**Sub-surface water storage reservoir drainage period duration (h, (P-K)*24):**				
R	**Sub-surface water storage reservoir drainage rate (mm/h, (L-N)/(M-O)*24):**				

Acceptance Criteria:	
Water flows into BMP as intended; Filter bed surface infiltration rate ≥25 mm/h and ≤203 mm/h, or consult manufacturer or vendor for an acceptable range specific to the product; Surface water storage reservoir (i.e., surface ponding) fully drains within 24 hours of the end of the storm;	Sub-drain peak flow rate is within +/- 15% of design specification; Active sub-surface water storage reservoir volume drains within 48 to 72 hours of the end of the storm for newly constructed BMPs, and within 48 to 96 hours for in-service BMPs.

Notes and Sketches: