

GENERAL INFORMATION:

GI Identifier:	Inspection Type (Check one):				
	Construction \Box Warranty \Box Routine Operation \Box				
	Maintenance Verification Performance Verification				
Idress: Location:					
GI Construction Date:	GI Warranty Date:				

VISUAL INDICATORS:

Inspection date and time: MM/DD/YYYY HH:MM:SS	Weather (24 hours prior to inspection):		
Inspected by:	Inspection duration (minutes):		

COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Contributing Drainage Area	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 GI; Land cover has changed	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Inlet	Inlet structural integrity: Damage to inlet or sediment pad structure is impairing function of the GI	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Inlet obstruction: Sediment/trash/debris/vegetation ≥5cm deep or	Comment/Measurements:	Action:
	blocking inflow over one third (33%) of the width	Pass 🗆 Fail 🗆	Timeframe:
Inlet (Continued)	Pretreatment sediment accumulation: Device is ≥50% full of sediment/trash/debris or inflow of water to the GI is impaired	Comment/Measurements:	Action:
	of water to the Gris inipalied	Pass 🗆 Fail 🗆	Timeframe:
	Inlet erosion: Gullies or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
	GI dimensions: Differ from design or as-built drawing by >10%	Comment/Measurements:	Action:
	Direct from design of as-built drawing by >10%	Pass 🗆 Fail 🗆	Timeframe:
	Side slope erosion: Gullies, ruts or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
	VISIDIE	Pass 🗆 Fail 🗆	Timeframe:
Perimeter	Surface ponding area: Maximum surface ponding area differs from design	Comment/Measurements:	Action:
	by >25%	Pass 🗆 Fail 🗆	Timeframe:
	Pavement Surface Condition / Tree Opening (if applicable): Differential settlement, cracking or other grade abnormalities at tree opening or over covered soil	Comment/Measurements:	Action:
	trenches.	Pass 🗆 🛛 Fail 🗆	Timeframe:



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Standing water: Standing water ponded on filter bed surface >24 hours after the end of a storm event	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Trash: Trash is visible and impairing aesthetics or function of the GI	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Filter bed erosion: Gullies, ruts or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
	VISIDIE	Pass 🗆 Fail 🗆	Timeframe:
Filter Bed	or bare soil areas are visible Filter bed sediment accumulation: Mean or local accumulation of sediment is ≥5cm in	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
		Comment/Measurements:	Action:
	depth	Pass 🗆 🛛 Fail 🗆	Timeframe:
	Surface ponding depth: Maximum differs from design or as-built drawing by >10%	Comment/Measurements:	Action:
	~1070	Pass 🗆 🛛 Fail 🗆	Timeframe:
	Filter bed surface sinking: Local surface depressions are ≥10cm in depth or animal burrows are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Filter Bed	Chack dame (if applicable)	Comment/Measurements:	Action:
(Continued)	Check dams (<i>if applicable</i>): Structures are missing or buried in sediment		
		Pass 🗆 Fail 🗆	Timeframe:
	Tree condition <i>(if applicable)</i> : Tree is not thriving, displaying signs of damage, stress, pests or disease.	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Vegetation cover: Less than 80% of planting area is covered by living vegetation	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
Planting Area	Vegetation condition: Vegetation is over-grown or over-crowded and is impairing aesthetics or obstructing sight lines needed	Comment/Measurements:	Action:
	for safety	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 details	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
	Monitoring well condition: Structural damage or sediment clog is visible and	Comment/Measurements:	Action:
	impairing its function or cap is missing	Pass 🗆 🛛 Fail 🗆	Timeframe:
Outlet	Underdrain obstruction: Structural damage, sediment clog or vegetation roots are visible and reducing conveyance capacity of the	Comment/Measurements:	Action:
	pipe by ≥ 33%	Pass 🗆 🛛 Fail 🗆	Timeframe:



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP		
	Overflow outlet obstruction: Structural damage, sediment/trash/debris is obstructing outflow, structure is full of water or grate	Comment/Measurements:	Action:		
Outlet	is missing	Pass 🗆 🛛 Fail 🗆	Timeframe:		
(Continued)	Trench drain obstruction <i>(if applicable)</i> : Structural damage, sediment clog or vegetation are visible and reducing conveyance capacity of the drain by \ge 33%	Comment/Measurements:	Action:		
		Pass 🗆 🛛 Fail 🗆	Timeframe:		
Simplified Notation:					
Comments: N/A =	C = Construction; W = Warranty; RO = Routine Operation = Not Applicable; N/I = Not Inspected Action Required; 1 = Routine Maintenance Required; 2 =				

Photographs:

Notes and Sketches:



SOIL CHARACTERIZATION TESTING:

GI Identifier:	Inspection Type (Check one):		
	Construction \Box Warranty \Box Routine Operation \Box		
	Maintenance Verification \Box Performance Verification \Box		
Sampling date and time:	Weather (24 hours prior sampling):		
MM/DD/YYYY HH:MM:SS			
Sampled by:	Sampling duration (minutes):		

Sample ID/ Sample #	Sampling Location	Sample Collected? (Yes/No)	Filter Media Depth (cm)	Maximum Penetrometer Reading* (PSI, kg/cm ² or kPa)	Sample ID/ Sample #	Sample Location	Sample Collected? (Yes/No)	Filter Media Depth (cm)	Maximum Penetrometer Reading* (PSI, kg/cm ² or kPa)
Notes and S	ketches:								

*Reference ASTM D6951/D6951M Standard Test Method for Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications



NATURAL OR SIMULATED STORM EVENT TESTING:

GI Identifier:	Inspection Type (Check one):		
	Construction \Box Warranty \Box Routine Operation \Box		
	Maintenance Verification \Box Performance Verification \Box		
Testing date and time:	Subsurface water storage reservoir depth (mm):		
MM/DD/YYYY HH:MM:SS			
Tested by:	Test duration (hours):		

	Parameter	Test #1	Test #2	Test #3	Average
A	Volume of water directed to the GI (L or m ³ , estimated from contributing drainage area and rainfall depth for natural storm events, measured by magnetic flow meter for simulated storm events)				
В	Maximum post-storm filter bed surface water level (mm, at end of rainfall or delivery of water to the GI)				
С	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 50mm				
Е	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):				
Н	Filter bed surface ponding event duration (h, (G-C)*24)				
	Filter bed surface infiltration rate estimate (mm/h, (F-D)*24)				
J	Maximum post-storm subsurface storage reservoir water level (mm, at end of rainfall or delivery of water to the GI)				



	Parameter	Test #1	Test #2	Test #3	Average
К	Date/time (mm/dd/yyyy hh:mm:ss) of maximum post-storm subsurface storage reservoir water level				
L	Subsurface storage reservoir starting water level (mm, half full water level):				
М	Date/time (mm/dd/yyyy hh:mm:ss) of subsurface storage reservoir starting water level (half full)				
N	Subsurface storage reservoir ending water level (mm, one quarter full water level)				
0	Date/time (mm/dd/yyyy hh:mm:ss) of subsurface storage reservoir ending water level (one quarter full)				
Р	Date/time (mm/dd/yyyy hh:mm:ss) when subsurface storage reservoir is fully drained (zero or static water level reading)				
Q	Subsurface water storage reservoir drainage period duration (h, (P-K)*24)				
R	Subsurface water storage reservoir drainage rate (mm/h, (L-N)/(M-O)*24)				
Acc	ceptance Criteria:				
	 Water flows into GI as intended Filter bed surface infiltration rate ≥25 mm/h and ≤203 mm/h, or consult manufactu specific to the product Surface water storage reservoir (i.e., surface ponding) fully drains within 24 hours Underdrain peak flow rate is within +/- 15% of design specification Active subsurface water storage reservoir volume drains within 48 to 72 hours of t GIs, and within 48 to 96 hours for in-service GIs 	of the end o	of the storm		



GENERAL INFORMATION:

GI Identifier:	Inspection Type (Check one):				
	Construction \Box Warranty \Box Routine Operation \Box				
	Maintenance Verification \Box Performance Verification \Box				
Address:	Location:				
GI Construction Date:	GI Warranty Date:				

VISUAL INDICATORS:

Inspection date and time: MM/DD/YYYY HH:MM:SS	Weather (24 hours prior to inspection):		
Inspected by:	Inspection duration (minutes):		

COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Contributing Drainage Area	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 GI; Land cover has changed	Comment/Measurements:	Action:
Inlet	Inlet structural integrity: Damage to inlet or sediment pad structure is impairing function of the GI	Pass Fail	Timeframe: Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Inlet obstruction: Sediment/trash/debris/vegetation ≥5cm deep or blocking inflow over one third (33%) of the width	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Inlet (Continued)	Pretreatment sediment accumulation: Device is ≥50% full of sediment/trash/debris or inflow of water to the GI is impaired	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Inlet erosion: Gullies or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	GI dimensions: Differ from design or as-built drawing by >10%	Comment/Measurements:	Action:
	Diner norn design of as-built drawing by >10%	Pass 🗆 🛛 Fail 🗆	Timeframe:
Perimeter	 Side slope erosion: Gullies, ruts or bare soil areas ≥30cm in length are visible Surface ponding area: Maximum surface ponding area differs from design by >25% 	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
		Comment/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	Comment/Measurements:	Action:
		rass 🗆 Fall 🗆	Timeframe:



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Trash: Trash is visible and impairing aesthetics or function of the GI	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Filter bed erosion: Gullies, ruts or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Mulch depth: Average depth is less than 5cm or greater than 15cm or bare soil areas are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Filter Bed (Continued)	Filter bed sediment accumulation: Mean or local accumulation of sediment is ≥5cm in depth	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Surface ponding depth: Maximum differs from design or as-built drawing by >10%	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
	Filter bed surface sinking: Local surface depressions are ≥10cm in depth or animal burrows are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Filter Bed (Continued)	Check dams <i>(if applicable)</i> : Structures are missing or buried in sediment	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Vegetation cover: Less than 80% of planting area is covered by living vegetation	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Planting Area	Vegetation condition: Vegetation is over-grown or over-crowded and is impairing aesthetics or obstructing sight lines needed for safety	Comment/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 details	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Outlet	Monitoring well condition: Structural damage or sediment clog is visible and impairing its function or cap is missing	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Underdrain obstruction: Structural damage, sediment clog or vegetation roots are visible and reducing conveyance capacity of the	Comment/Measurements:	Action:
	pipe by ≥ 33%	Pass 🗆 🛛 Fail 🗆	Timeframe:



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP		
Outlet (Continued)	Overflow outlet obstruction: Structural damage, sediment/trash/debris is obstructing outflow, structure is full of water or grate is missing	Comment/Measurements:	Action:		
		Pass 🗆 🛛 Fail 🗆	Timeframe:		
Simplified Nota	tion:				
Inspection Type: C = Construction; W = Warranty; RO = Routine Operation; MV = Maintenance Verification; PV = Performance Verification Comments: N/A = Not Applicable; N/I = Not Inspected Actions: 0 = No Action Required; 1 = Routine Maintenance Required; 2 = Structural Repair Required; 3 = Further Investigation Required					

Photographs:			
Notes and Skatakas			
Notes and Sketches:			
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SOIL CHARACTERIZATION TESTING:

GI Identifier:	Inspection Type (Check one):
	Construction \Box Warranty \Box Routine Operation \Box
	Maintenance Verification \Box Performance Verification \Box
Sampling date and time: MM/DD/YYYY HH:MM:SS	Weather (24 hours prior sampling):
Sampled by:	Sampling duration (minutes):

Sample ID/ Sample #	Sampling Location	Sample Collected? (Yes/No)	Filter Media Depth (cm)	Maximum Penetrometer Reading* (PSI, kg/cm ² or kPa)	Sample ID/ Sample #	Sample Location	Sample Collected? (Yes/No)	Filter Media Depth (cm)	Maximum Penetrometer Reading* (PSI, kg/cm ² or kPa)
Notes and S	iketches:								

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NATURAL OR SIMULATED STORM EVENT TESTING:

GI Identifier:	Inspection Type (Check one):		
	Construction \Box Warranty \Box Routine Operation \Box		
	Maintenance Verification \Box Performance Verification \Box		
esting date and time: Subsurface water storage reservoir depth (mm):			
MM/DD/YYYY HH:MM:SS			
Tested by:	Test duration (hours):		

	Parameter	Test #1	Test #2	Test #3	Average
A	Volume of water directed to the GI (L or m ³ , estimated from contributing drainage area and rainfall depth for natural storm events, measured by magnetic flow meter for simulated storm events)				
В	Maximum post-storm filter bed surface water level (mm, at end of rainfall or delivery of water to the GI)				
С	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 50mm				
Е	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):				
Н	Filter bed surface ponding event duration (h, (G-C)*24)				
	Filter bed surface infiltration rate estimate (mm/h, (F-D)*24)				
J	Maximum post-storm subsurface storage reservoir water level (mm, at end of rainfall or delivery of water to the GI)				



	Parameter	Test #1	Test #2	Test #3	Average		
К	Date/time (mm/dd/yyyy hh:mm:ss) of maximum post-storm subsurface storage reservoir water level						
L	Subsurface storage reservoir starting water level (mm, half full water level):						
М	Date/time (mm/dd/yyyy hh:mm:ss) of subsurface storage reservoir starting water level (half full)						
Ν	Subsurface storage reservoir ending water level (mm, one quarter full water level)						
0	Date/time (mm/dd/yyyy hh:mm:ss) of subsurface storage reservoir ending water level (one quarter full)						
Ρ	Date/time (mm/dd/yyyy hh:mm:ss) when subsurface storage reservoir is fully drained (zero or static water level reading)						
Q	Subsurface water storage reservoir drainage period duration (h, (P-K)*24)						
R	Subsurface water storage reservoir drainage rate (mm/h, (L-N)/(M-O)*24)						
Acceptance Criteria:							
 Water flows into GI 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 Underdrain peak flow rate is within +/- 15% of design specification Active subsurface water storage reservoir volume drains within 48 to 72 hours of the end of the storm for newly constructed GIs, and within 48 to 96 hours for in-service GIs 							



GENERAL INFORMATION:

GI Identifier:	Inspection Type (Check one):		
	Construction \Box Warranty \Box Routine Operation \Box		
	Maintenance Verification \Box Performance Verification \Box		
Address:	Location:		
GI Construction Date:	GI Warranty Date:		

VISUAL INDICATORS:

Inspection date and time: MM/DD/YYYY HH:MM:SS	Weather (24 hours prior to inspection):
Inspected by:	Inspection duration (minutes):

COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Contributing Drainage Area	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 GI; Land cover has changed	Comment/Measurements:	Action:
Inlet	Inlet structural integrity: Damage to inlet or displacement of rip-rap erosion protection is impairing function of the GI	Pass Fail 	Timeframe: Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Inlet obstruction: Sediment/trash/debris/vegetation ≥5cm deep or blocking inflow over one third (33%) of the width	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Inlet (Continued)	Pretreatment sediment accumulation: Device is ≥50% full of sediment/trash/debris or inflow of water to the GI is impaired	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Inlet erosion: Gullies or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	GI dimensions: Differ from design or as-built drawing by >10%	Comment/Measurements:	Action:
	Differ from design of as-built drawing by >10%	Pass 🗆 🛛 Fail 🗆	Timeframe:
Perimeter	Side slope erosion: Gullies, ruts or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Surface ponding area: Maximum surface ponding area differs from design	Comment/Measurements:	Action:
	by >25%	Pass 🗆 🛛 Fail 🗆	Timeframe:
Filter Bed	Standing water: Standing water ponded on filter bed surface >24 hours after the end of a storm event	Comment/Measurements:	Action: Timeframe:
	1		



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Trash: Trash is visible and impairing aesthetics or function of the GI	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Filter bed erosion: Gullies, ruts or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Mulch depth: Average depth is less than 5cm or greater than 15cm or bare soil areas are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Filter Bed (Continued)	Filter bed sediment accumulation: Mean or local accumulation of sediment is ≥5cm in depth	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Surface ponding depth: Maximum differs from design or as-built drawing by >10%	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
	Filter bed surface sinking: Local surface depressions are ≥10cm in depth or animal burrows are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Filter Bed	Check dams (if applicable):	Comment/Measurements:	Action:
(Continued)	Structures are missing or buried in sediment		
		Pass 🗆 Fail 🗆	Timeframe:
	Vegetation cover: Less than 80% of planting area is covered by living vegetation	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
Planting Area	Vegetation condition: Vegetation is over-grown or over-crowded and is impairing aesthetics or obstructing sight lines needed	Comment/Measurements:	Action:
5	for safety		
		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 details	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
	Outlet structural integrity: Damage to outlet structure is impairing function of the GI	Comment/Measurements:	Action:
Outlet		Pass 🗆 Fail 🗆	Timeframe:
Outlet	Outlet obstruction: Sediment/trash/debris/vegetation ≥5cm deep or blocking outflow over one third (33%) of the width	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:



COMPONENT	INDICATOR	CONDITION		FOLLOW-UP
	Monitoring well condition: Structural damage or sediment clog is visible and impairing its function or cap is missing	Comment/Measu	rements:	Action:
		Pass 🗆	Fail 🛛	Timeframe:
Outlet	Underdrain obstruction: Structural damage, sediment clog or vegetation roots are visible and reducing conveyance capacity of the pipe by \geq 33%	Comment/Measu	rements:	Action:
(Continued)		Pass 🗆	Fail 🗆	Timeframe:
	Overflow outlet obstruction: Structural damage, sediment/trash/debris is obstructing outflow, structure is full of water or grate is missing	Comment/Measu	rements:	Action:
		Pass 🗆	Fail 🗆	Timeframe:
Simplified Nota	tion:			
Comments: N/A =	C = Construction; W = Warranty; RO = Routine Operation Not Applicable; N/I = Not Inspected Action Required; 1 = Routine Maintenance Required; 2 =			

Photographs:		
Notes and Sketches:		



SOIL CHARACTERIZATION TESTING:

GI Identifier:	Inspection Type (Check one):		
	Construction \Box Warranty \Box Routine Operation \Box		
	Maintenance Verification \Box Performance Verification \Box		
Sampling date and time: MM/DD/YYYY HH:MM:SS	Weather (24 hours prior sampling):		
Sampled by:	Sampling duration (minutes):		

Sample ID/ Sample #	Sampling Location	Sample Collected? (Yes/No)	Filter Media Depth (cm)	Maximum Penetrometer Reading* (PSI, kg/cm ² or kPa)	Sample ID/ Sample #	Sample Location	Sample Collected? (Yes/No)	Filter Media Depth (cm)	Maximum Penetrometer Reading* (PSI, kg/cm ² or kPa)
Notes and S	ketches:								
				athed for Line of the					

*Reference ASTM D6951/D6951M Standard Test Method for Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications



NATURAL OR SIMULATED STORM EVENT TESTING:

GI Identifier:	Inspection Type (Check one):			
	Construction \Box Warranty \Box Routine Operation \Box			
	Maintenance Verification \Box Performance Verification \Box			
Testing date and time:	Subsurface water storage reservoir depth (mm):			
MM/DD/YYYY HH:MM:SS				
Tested by:	Test duration (hours):			

	Parameter	Test #1	Test #2	Test #3	Average
A	Volume of water directed to the GI (L or m ³ , estimated from contributing drainage area and rainfall depth for natural storm events, measured by magnetic flow meter for simulated storm events)				
В	Maximum post-storm filter bed surface water level (mm, at end of rainfall or delivery of water to the GI)				
С	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 50mm				
Е	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):				
Н	Filter bed surface ponding event duration (h, (G-C)*24)				
	Filter bed surface infiltration rate estimate (mm/h, (F-D)*24)				
J	Maximum post-storm subsurface storage reservoir water level (mm, at end of rainfall or delivery of water to the GI)				



	Parameter	Test #1	Test #2	Test #3	Average
К	Date/time (mm/dd/yyyy hh:mm:ss) of maximum post-storm subsurface storage reservoir water level				
L	Subsurface storage reservoir starting water level (mm, half full water level):				
Μ	Date/time (mm/dd/yyyy hh:mm:ss) of subsurface storage reservoir starting water level (half full)				
Ν	Subsurface storage reservoir ending water level (mm, one quarter full water level)				
0	Date/time (mm/dd/yyyy hh:mm:ss) of subsurface storage reservoir ending water level (one quarter full)				
Ρ	Date/time (mm/dd/yyyy hh:mm:ss) when subsurface storage reservoir is fully drained (zero or static water level reading)				
Q	Subsurface water storage reservoir drainage period duration (h, (P-K)*24)				
R	Subsurface water storage reservoir drainage rate (mm/h, (L-N)/(M-O)*24)				
Acc	ceptance Criteria:				
	 Water flows into GI as intended Filter bed surface infiltration rate ≥25 mm/h and ≤203 mm/h, or consult manufactu specific to the product Surface water storage reservoir (i.e., surface ponding) fully drains within 24 hours Underdrain peak flow rate is within +/- 15% of design specification Active subsurface water storage reservoir volume drains within 48 to 72 hours of t GIs, and within 48 to 96 hours for in-service GIs 	of the end o	of the storm		



GENERAL INFORMATION:

GI Identifier:	Inspection Type (Check one):
	Construction \Box Warranty \Box Routine Operation \Box
	Maintenance Verification \Box Performance Verification \Box
Address:	Location:
GI Construction Date:	GI Warranty Date:

VISUAL INDICATORS:

Inspection date and time: MM/DD/YYYY HH:MM:SS	Weather (24 hours prior to inspection):
Inspected by:	Inspection duration (minutes):

COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Contributing Drainage Area	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 GI; Land cover has changed	Comment/Measurements:	Action:
Inlet	Inlet structural integrity: Damage to inlet or displacement of rip-rap erosion protection is impairing function of the GI	Pass Fail 	Timeframe: Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:

FIELD INSPECTION DATA FORM: ENHANCED GRASS SWALE SYSTEM



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Inlet obstruction: Sediment/trash/debris/vegetation ≥5cm deep or blocking inflow over one third (33%) of the width	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
Inlet (Continued)	Pretreatment sediment accumulation: Device is ≥50% full of sediment/trash/debris or inflow of water to the GI is impaired	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Inlet erosion: Gullies or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	GI dimensions: Differ from design or as-built drawing by >10%	Comment/Measurements:	Action:
	Differ from design of as-built drawing by >10%	Pass 🗆 🛛 Fail 🗆	Timeframe:
Perimeter	imeter Side slope erosion: Gullies, ruts or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Surface ponding area: Maximum surface ponding area differs from design	Comment/Measurements:	Action:
	by >25%	Pass 🗆 🛛 Fail 🗆	Timeframe:
Filter Bed	Standing water: Standing water ponded on filter bed surface >24 hours after the end of a storm event	Comment/Measurements:	Action:
			Timeframe:

FIELD INSPECTION DATA FORM: ENHANCED GRASS SWALE SYSTEM



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Trash: Trash is visible and impairing aesthetics or function of the GI	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Filter bed erosion: Gullies, ruts or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Mulch depth: Average depth is less than 5cm or greater than 15cm or bare soil areas are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Filter Bed (Continued)	Filter bed sediment accumulation: Mean or local accumulation of sediment is ≥5cm in depth	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Surface ponding depth: Maximum differs from design or as-built drawing by >10%	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
	Filter bed surface sinking: Local surface depressions are ≥10cm in depth or animal burrows are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:

FIELD INSPECTION DATA FORM: ENHANCED GRASS SWALE SYSTEM



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Filter Bed (Continued)	Check dams <i>(if applicable)</i> : Structures are missing or buried in sediment	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Vegetation cover: Less than 80% of planting area is covered by living vegetation	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Planting Area	Vegetation condition: Vegetation is over-grown or over-crowded and is impairing aesthetics or obstructing sight lines needed	Comment/Measurements:	Action:
	for safety	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 details	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Outlet	Overflow outlet obstruction: Structural damage, sediment/trash/debris is obstructing outflow, structure is full of water or grate	Comment/Measurements:	Action:
	is missing	Pass 🗆 🛛 Fail 🗆	Timeframe:
Simplified Nota			
Comments: N/A :	C = Construction; W = Warranty; RO = Routine Operation = Not Applicable; N/I = Not Inspected Action Required; 1 = Routine Maintenance Required; 2 =		

Photographs:

Notes and Sketches:





SOIL CHARACTERIZATION TESTING:

GI Identifier:	Inspection Type (Check one):
	Construction \Box Warranty \Box Routine Operation \Box
	Maintenance Verification \Box Performance Verification \Box
Sampling date and time:	Weather (24 hours prior sampling):
MM/DD/YYYY HH:MM:SS	
Sampled by:	Sampling duration (minutes):

Notes and Sketches:				

*Reference ASTM D6951/D6951M Standard Test Method for Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications



NATURAL OR SIMULATED STORM EVENT TESTING:

GI Identifier:	Inspection Type (Check one):
	Construction \Box Warranty \Box Routine Operation \Box
	Maintenance Verification \Box Performance Verification \Box
Testing date and time: MM/DD/YYYY HH:MM:SS	Check dam invert height <i>if applicable</i> (cm, between check dam invert and the soil or sediment surface on the upstream side):
Tested by:	Test duration (hours):

	Parameter	Test #1	Test #2	Test #3	Average
A	Volume of water directed to the GI (L or m ³ , estimated from contributing drainage area and rainfall depth for natural storm events, measured by magnetic flow meter for simulated storm events)				
В	Maximum post-storm filter bed surface water level (mm, at end of rainfall or delivery of water to the GI)				
С	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 50mm				
Е	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):				
Н	Filter bed surface ponding event duration (h, (G-C)*24)				
	Filter bed surface infiltration rate estimate (mm/h, (F-D)*24)				
Acc	eptance Criteria:				
	 Water flows into GI as intended Filter bed surface infiltration rate ≥15 mm/h and ≤203 mm/h, or consult manufacturer or v the product 			•	

• Surface water storage reservoir (i.e., surface ponding behind check dams) fully drains within 24 hours of the end of the storm



GENERAL INFORMATION:

GI Identifier:	Inspection Type (Check one):				
	Construction \Box Warranty \Box Routine Operation \Box				
	Maintenance Verification \Box Performance Verification \Box				
Address:	Location:				
GI Construction Date:	GI Warranty Date:				

VISUAL INDICATORS:

Inspection date and time: MM/DD/YYYY HH:MM:SS	Weather (24 hours prior to inspection):				
Inspected by:	Inspection duration (minutes):				

COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Contributing Drainage Area	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 GI; Land cover has changed	Comment/Measurements:	Action:
Inlet	Inlet structural integrity: Damage to inlet or sediment pad structure is impairing function of the GI	Pass Fail	Timeframe: Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:

FIELD INSPECTION DATA FORM: GREEN GUTTER SYSTEM



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Inlet obstruction: Sediment/trash/debris/vegetation ≥5cm deep or blocking inflow over one third (33%) of the width	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Inlet (Continued)	Pretreatment sediment accumulation: Device is ≥50% full of sediment/trash/debris or inflow of water to the GI is impaired	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Inlet erosion: Gullies or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	GI dimensions: Differ from design or as-built drawing by >10%	Comment/Measurements:	Action:
	Differ from design of as-built drawing by >10%	Pass 🗆 🛛 Fail 🗆	Timeframe:
Perimeter	Side slope erosion: Gullies, ruts or bare soil areas ≥30cm in length are visible	Comment/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	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Trash: Trash is visible and impairing aesthetics or function of the GI	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:

FIELD INSPECTION DATA FORM: GREEN GUTTER SYSTEM



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Filter bed erosion: Gullies, ruts or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
	Mulch depth: Average depth is less than 5cm or greater than 15cm or bare soil areas are visible	Comment/Measurements:	Action:
Filter Bed		Pass 🗆 🛛 Fail 🗆	Timeframe:
(Continued)	Filter bed sediment accumulation: Mean or local accumulation of sediment is ≥5cm in depth	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
	Filter bed surface sinking: Local surface depressions are ≥10cm in depth or animal burrows are visible	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
	Vegetation cover: Less than 80% of planting area is covered by living vegetation	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Planting Area	Vegetation condition: Vegetation is over-grown or over-crowded and is impairing aesthetics or obstructing sight lines needed	Comment/Measurements:	Action:
	for safety	Pass 🗆 🛛 Fail 🗆	Timeframe:

FIELD INSPECTION DATA FORM: GREEN GUTTER SYSTEM



getation composition: re than 50% of the vegetation is undesirable (e.g. eds, invasive) or not the species specified in the nting details tlet structural integrity: mage to outlet structure is impairing function of the	Comment/Mea Pass Comment/Mea	Fail 🗆	Action: Timeframe:
			Action:
	Pass 🗆	Fail 🛛	Timeframe:
t let obstruction: diment/trash/debris/vegetation ≥5cm deep or cking outflow over one third (33%) of the width	Comment/N	Measurements:	Action:
3 • • • • • • • • • • • • • • • • • • •	Pass 🗆	Fail 🛛	Timeframe:
Underdrain obstruction: Structural damage, sediment clog or vegetation roots are visible and reducing conveyance capacity of the pipe by \ge 33%	Comment/Mea	surements:	Action:
	Pass 🗆	Fail 🛛	Timeframe:
erflow outlet obstruction: uctural damage, sediment/trash/debris is structing outflow, structure is full of water or grate nissing	Comment/Mea	surements:	Action:
	Pass 🗆	Fail 🛛	Timeframe:
dic dure e ust n	iment/trash/debris/vegetation \geq 5cm deep or king outflow over one third (33%) of the width erdrain obstruction: ctural damage, sediment clog or vegetation roots visible and reducing conveyance capacity of the by \geq 33% rflow outlet obstruction: ctural damage, sediment/trash/debris is ructing outflow, structure is full of water or grate issing	let obstruction: iment/trash/debris/vegetation ≥5cm deep or king outflow over one third (33%) of the width Pass □ ctural damage, sediment clog or vegetation roots visible and reducing conveyance capacity of the by ≥ 33% Pass □ ctural damage, sediment/trash/debris is ructing outflow, structure is full of water or grate issing Pass □ Construction; W = Warranty; RO = Routine Operation; MV = Maintee	imment/trash/debris/vegetation ≥5cm deep or king outflow over one third (33%) of the width Pass □ Fail □ erdrain obstruction: ctural damage, sediment clog or vegetation roots visible and reducing conveyance capacity of the by ≥ 33% Comment/Measurements: rflow outlet obstruction: ctural damage, sediment/trash/debris is ructing outflow, structure is full of water or grate issing Pass □ Fail □ Comment/Measurements: Comment/Measurements: rflow outlet obstruction: ctural damage, sediment/trash/debris is ructing outflow, structure is full of water or grate issing Pass □ Fail □ Construction; W = Warranty; RO = Routine Operation; MV = Maintenance Verification



SOIL CHARACTERIZATION TESTING:

GI Identifier:	Inspection Type (Check one):			
	Construction \Box Warranty \Box Routine Operation \Box			
	Maintenance Verification \Box Performance Verification \Box			
Sampling date and time: MM/DD/YYYY HH:MM:SS	Weather (24 hours prior sampling):			
Sampled by:	Sampling duration (minutes):			

Sample ID/ Sample #	Sampling Location	Sample Collected? (Yes/No)	Filter Media Depth (cm)	Maximum Penetrometer Reading* (PSI, kg/cm ² or kPa)	Sample ID/ Sample #	Sample Location	Sample Collected? (Yes/No)	Filter Media Depth (cm)	Maximum Penetrometer Reading* (PSI, kg/cm ² or kPa)
Notes and S	ketches:								
				atheod for Llos of the					

*Reference ASTM D6951/D6951M Standard Test Method for Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications



NATURAL OR SIMULATED STORM EVENT TESTING:

GI Identifier:	Inspection Type (Check one):		
	Construction \Box Warranty \Box Routine Operation \Box		
	Maintenance Verification \Box Performance Verification \Box		
Testing date and time: MM/DD/YYYY HH:MM:SS	Subsurface water storage reservoir depth (mm):		
Tested by:	Test duration (hours):		

	Parameter	Test #1	Test #2	Test #3	Average
А	Volume of water directed to the GI (L or m ³ , estimated from contributing drainage area and rainfall depth for natural storm events, measured by magnetic flow meter for simulated storm events)				
В	Maximum post-storm filter bed surface water level (mm, at end of rainfall or delivery of water to the GI)				
С	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 50mm				
Е	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):				
Н	Filter bed surface ponding event duration (h, (G-C)*24)				
Ι	Filter bed surface infiltration rate estimate (mm/h, (F-D)*24)				
Acc	eptance Criteria:				
	 Water flows into GI as intended Filter bed surface infiltration rate ≥15 mm/h and ≤203 mm/h, or consult manufacturer or the product Surface water storage reservoir (i.e., surface ponding behind check dams) fully drains w 			0 1	

• Surface water storage reservoir (i.e., surface ponding behind check dams) fully drains within 24 hours of the end of the storm

• Underdrain peak flow rate is within +/- 15% of design specification

Photographs:

Notes and Sketches:





GENERAL INFORMATION:

I Identifier: Inspection Type (Check one):			
	Construction \Box Warranty \Box Routine Operation \Box		
	Maintenance Verification \Box Performance Verification \Box		
Address:	Location:		
GI Construction Date:	GI Warranty Date:		

VISUAL INDICATORS:

Inspection date and time: MM/DD/YYYY HH:MM:SS	Weather (24 hours prior to inspection):		
Inspected by:	Inspection duration (minutes):		

COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Contributing Drainage Area	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 GI; Land	Comment/Measurements:	Action:
	cover has changed	Pass 🗆 🛛 Fail 🗆	Timeframe:
	Inlet structural integrity: Damage to inlet or flow spreader structure is impairing function of the GI Inlet obstruction: Sediment/trash/debris/vegetation ≥5cm deep or blocking inflow over one third (33%) of the width	Comment/Measurements:	Action:
Inlet		Pass 🗆 🛛 Fail 🗆	Timeframe:
		Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:

FIELD INSPECTION DATA FORM: FILTER STRIP SYSTEM



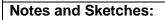
COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Inlet (Continued)	Inlet erosion: Gullies or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
(Pass 🗆 🛛 Fail 🗆	Timeframe:
Perimeter	GI dimensions: Differ from design or as-built drawing by >10%	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Standing water: Standing water ponded on filter bed surface >24 hours after the end of a storm event	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Trash: Trash is visible and impairing aesthetics or function of the GI	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
Filter Bed	Filter bed erosion: Gullies, ruts or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Mulch depth: Average depth is less than 5cm or greater than 15cm or bare soil areas are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Filter bed sediment accumulation: Mean or local accumulation of sediment is ≥5cm in depth	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:

FIELD INSPECTION DATA FORM: FILTER STRIP SYSTEM



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Filter Bed (Continued)	Filter bed surface sinking: Local surface depressions are ≥10cm in depth or animal burrows are visible	Comment/Measurements:	Action:
		Pass 🗆 Fail 🗆	Timeframe:
	Vegetation cover: Less than 80% of planting area is covered by living vegetation	Comment/Measurements:	Action:
	Vegetation	Pass 🗆 🛛 Fail 🗆	Timeframe:
Planting Area	 Vegetation condition: Vegetation is over-grown or over-crowded and is impairing aesthetics or obstructing sight lines needed for safety Vegetation composition: More than 50% of the vegetation is undesirable (e.g. weeds, invasive) or not the species specified in the planting details 	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
		Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Outlet	Overflow outlet obstruction: Structural damage, sediment/trash/debris is obstructing outflow, structure is full of water or grate	Comment/Measurements:	Action:
	is missing	Pass 🗆 🛛 Fail 🗆	Timeframe:
Simplified Nota	tion:		
Comments: N/A =	C = Construction; W = Warranty; RO = Routine Operation = Not Applicable; N/I = Not Inspected Action Required; 1 = Routine Maintenance Required; 2 =		

Photographs:







SOIL CHARACTERIZATION TESTING:

Inspection Type (Check one):	
Construction \Box Warranty \Box Routine Operation \Box	
Maintenance Verification \Box Performance Verification \Box	
Weather (24 hours prior sampling):	
Sampling duration (minutes):	

Sample ID/ Sample #	Sampling Location	Sample Collected? (Yes/No)	Topsoil Depth (cm)	Maximum Penetrometer Reading* (PSI, kg/cm ² or kPa)	Sample ID/ Sample #	Sample Location	Sample Collected? (Yes/No)	Topsoil Depth (cm)	Maximum Penetrometer Reading* (PSI, kg/cm ² or kPa)
Notes and S	ketches:								

*Reference ASTM D6951/D6951M Standard Test Method for Use of the Dynamic Cone Penetrometer in Shallow Pavement Application



GENERAL INFORMATION:

GI Identifier: Inspection Type (Check one):			
	Construction \Box Warranty \Box Routine Operation \Box		
	Maintenance Verification \Box Performance Verification \Box		
Address:	Location:		
GI Construction Date:	GI Warranty Date:		

VISUAL INDICATORS:

Inspection date and time: MM/DD/YYYY HH:MM:SS	Weather (24 hours prior to inspection):	
Inspected by:	Inspection duration (minutes):	

COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Contributing Drainage Area	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 GI; Land	Comment/Measurements:	Action:
	cover has changed	Pass 🗆 🛛 Fail 🗆	Timeframe:
	GI dimensions: Differ from design or as-built drawing by >10%	Comment/Measurements:	Action:
Pavement		Pass 🗆 🛛 Fail 🗆	Timeframe:
Surface	Standing water: Standing water ponded on pavement surface is present	Comment/Measurements:	Action:
	F	Pass 🗆 🛛 Fail 🗆	Timeframe:

FIELD INSPECTION DATA FORM: PERMEABLE PAVEMENT SYSTEM



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Trash: Trash is visible and impairing aesthetics or function of	Comment/Measurements:	Action:
	the GI	Pass 🗆 🛛 Fail 🗆	Timeframe:
Pavement Surface	Pavement surface condition: Damage, missing or displaced pavers, ruts or local sinking present, paver joint fill is missing or low, weed growth between pavers is extensive and impairing	Comment/Measurements:	Action:
(Continued)	aesthetic value	Pass 🗆 🛛 Fail 🗆	Timeframe:
	Pavement surface sediment accumulation: Joints between pavers or grid cells are completely filled with fine sediment, any portion is covered with	Comment/Measurements:	Action:
	sediment	Pass 🗆 🛛 Fail 🗆	Timeframe:
	Vegetation cover: Less than 80% of planting area is covered by living	Comment/Measurements:	Action:
	vegetation	Pass 🗆 🛛 Fail 🗆	Timeframe:
Planting Area	Vegetation condition: Grass is not thriving or over-grown and impairing the aesthetic value of the GI	Comment/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	Comment/Measurements:	Action:
	planting details	Pass 🗆 🛛 Fail 🗆	Timeframe:
Outlet	Monitoring well condition: Structural damage or sediment clog is visible and impairing its function or cap is missing	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:

FIELD INSPECTION DATA FORM: PERMEABLE PAVEMENT SYSTEM



COMPONENT	INDICATOR	CONDITION		FOLLOW-UP
	Underdrain obstruction: Structural damage, sediment clog or vegetation roots are visible and reducing conveyance capacity of the	Comment/Measu	rements:	Action:
Occiler	pipe by ≥ 33%	Pass 🗆	Fail 🛛	Timeframe:
Outlet (Continued) Overflow outlet obstruction: Structural damage, sediment/trash/debris is obstructing outflow, structure is full of water or grate is missing C		Comment/Measu	rements:	Action:
		Pass 🗆	Fail 🛛	Timeframe:
Control Structure (If Applicable)	Control structure condition: Structure is inaccessible or ladder rungs are missing, damage or evidence of leaking is visible	Comment/Mea	asurements:	Action:
		Pass 🗆	Fail 🛛	Timeframe:
Simplified Notat	tion:			
Inspection Type: C = Construction; W = Warranty; RO = Routine Operation; MV = Maintenance Verification; PV = Performance Verification Comments: N/A = Not Applicable; N/I = Not Inspected Actions: 0 = No Action Required; 1 = Routine Maintenance Required; 2 = Structural Repair Required; 3 = Further Investigation Required				

Photographs:

Notes and Sketches:



NATURAL OR SIMULATED STORM EVENT TESTING:

GI Identifier:	Inspection Type (Check one):		
	Construction \Box Warranty \Box Routine Operation \Box		
	Maintenance Verification \Box Performance Verification \Box		
Testing date and time:	Subsurface water storage reservoir depth (mm):		
MM/DD/YYYY HH:MM:SS			
Tested by:	Test duration (hours):		

	Parameter	Test #1	Test #2	Test #3	Average
A	Volume of water directed to the GI (L or m ³ , measured or estimated from contributing drainage area and rainfall depth for natural storm events, measured by flow meter for simulated storm events)				
В	Maximum post-storm sub-surface storage reservoir water level (mm, at end of rainfall or delivery of water to the GI)				
С	Date/time (mm/dd/yyyy hh:mm:ss) of maximum post-storm sub-surface storage reservoir water level				
D	Sub-surface storage reservoir starting water level (mm, half full water level)				
Е	Date/time (mm/dd/yyyy hh:mm:ss) of sub-surface storage reservoir starting water level (half full)				
F	Sub-surface storage reservoir ending water level (mm, one quarter full water level)				
G	Date/time (mm/dd/yyyy hh:mm:ss) of sub-surface storage reservoir ending water level (one quarter full)				
н	Date/time (mm/dd/yyyy hh:mm:ss) when sub-surface storage reservoir is fully drained (zero or static water level reading)				
I	Sub-surface water storage reservoir drainage period duration (h, (H-C)*24)				
J	Sub-surface water storage reservoir drainage rate (mm/h, (D-F)/(G-E)*24)				



Acceptance Criteria:

- Water flows into GI as intended
- Underdrain 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 GIs, and within 48 to 96 hours for in-service GIs

Additional Notes:



GENERAL INFORMATION:

GI Identifier:	Inspection Type (Check one):		
	Construction \Box Warranty \Box Routine Operation \Box		
	Maintenance Verification \Box Performance Verification \Box		
Address:	Location:		
GI Construction Date:	GI Warranty Date:		

VISUAL INDICATORS:

Inspection date and time: MM/DD/YYYY HH:MM:SS	Weather (24 hours prior to inspection):		
Inspected by:	Inspection duration (minutes):		

COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Contributing Drainage Area	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 GI; Land cover has changed	Comment/Measurements:	Action:
Inlet	Inlet structural integrity: Damage to inlet or structure is impairing function of the GI	Pass	Timeframe: Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:

FIELD INSPECTION DATA FORM: INFILTRATION TRENCH SYSTEM



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Inlet obstruction: Sediment/trash/debris/vegetation ≥5cm deep or blocking inflow over one third (33%) of the inlet width	Comment/Measurements:	Action:
	or area	Pass 🗆 🛛 Fail 🗆	Timeframe:
Inlet (Continued)	Pretreatment sediment accumulation: Device is ≥50% full of sediment/trash/debris or inflow of water to the GI is impaired	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Inlet erosion: Gullies or bare soil areas ≥30cm in length are visible	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Perimeter	GI dimensions: Differ from design or as-built drawing by >10%	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
	Trash: Trash is visible and impairing aesthetics or function of	Comment/Measurements:	Action:
Filter Bed	the GI	Pass 🗆 🛛 Fail 🗆	Timeframe:
Fliter Bed	Filter bed sediment accumulation: Mean or local accumulation of sediment is ≥5cm in depth	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Planting Area (if applicable)	Vegetation cover: Less than 80% of planting area is covered by living	Comment/Measurements:	Action:
	vegetation	Pass 🗆 🛛 Fail 🗆	Timeframe:

FIELD INSPECTION DATA FORM: INFILTRATION TRENCH SYSTEM



COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
	Vegetation condition: Vegetation is over-grown or over-crowded and is impairing aesthetics or obstructing sight lines needed	Comment/Measurements:	Action:
Planting Area	for safety	Pass 🗆 🛛 Fail 🗆	Timeframe:
(if applicable) (Continued)	Vegetation composition: More than 50% of the vegetation is undesirable (e.g. weeds, invasive) or not the species specified in the	Comment/Measurements:	Action:
	planting details	Pass 🗆 Fail 🗆	Timeframe:
	Monitoring well condition: Structural damage or sediment clog is visible and impairing its function or cap is missing	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Outlet	Underdrain obstruction: Structural damage, sediment clog or vegetation roots are visible and reducing conveyance capacity of the	Comment/Measurements:	Action:
	pipe by ≥ 33%	Pass 🗆 🛛 Fail 🗆	Timeframe:
	Overflow outlet obstruction: Structural damage, sediment/trash/debris is obstructing outflow, structure is full of water or grate is missing	Comment/Measurements:	Action:
		Pass 🗆 🛛 Fail 🗆	Timeframe:
Simplified Nota	tion:	·	
Comments: N/A =	C = Construction; W = Warranty; RO = Routine Operation Not Applicable; N/I = Not Inspected Action Required; 1 = Routine Maintenance Required; 2 =		

Photographs:

Notes and Sketches:





NATURAL OR SIMULATED STORM EVENT TESTING:

GI Identifier:	Inspection Type (Check one):
	Construction \Box Warranty \Box Routine Operation \Box
	Maintenance Verification \Box Performance Verification \Box
Testing date and time: MM/DD/YYYY HH:MM:SS	Subsurface water storage reservoir depth (mm):
Tested by:	Test duration (hours):

	Parameter	Test #1	Test #2	Test #3	Average
A	Volume of water directed to the GI (L or m ³ , estimated from contributing drainage area and rainfall depth for natural storm events, measured by flow meter for simulated storm events)				
В	Maximum post-storm subsurface storage reservoir water level (mm, at end of rainfall or delivery of water to the GI)				
С	Date/time (mm/dd/yyyy hh:mm:ss) of maximum post-storm subsurface storage reservoir water level				
D	Subsurface storage reservoir starting water level (mm, half full water level):				
Е	Date/time (mm/dd/yyyy hh:mm:ss) of subsurface storage reservoir starting water level (half full)				
F	Subsurface storage reservoir ending water level (mm, one quarter full water level)				
G	Date/time (mm/dd/yyyy hh:mm:ss) of subsurface storage reservoir ending water level (one quarter full)				
Н	Date/time (mm/dd/yyyy hh:mm:ss) when subsurface storage reservoir is fully drained (zero or static water level reading)				
Ι	Subsurface water storage reservoir drainage period duration (h, (H-C)*24)				
J	Subsurface water storage reservoir drainage rate (mm/h, (D-F)/(G-E)*24)				



Acceptance Criteria:

- Water flows into GI as intended
- Underdrain peak flow rate is within +/- 15% of design specification
- Active subsurface water storage reservoir volume drains within 48 to 72 hours of the end of the storm for newly constructed GIs, and within 48 to 96 hours for in-service GIs

Additional Notes: