GENERAL INFORMATION:

GI Identifier:	**Inspection Type (Check one):** Construction ☐ Warranty ☐ Routine Operation ☐ Maintenance Verification ☐ Performance Verification ☐
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:
		Pass ☐ **Fail** ☐	Timeframe:
Pavement Surface	**GI dimensions:** Differ from design or as-built drawing by >10%	Comment/Measurements:	Action:
		Pass ☐ **Fail** ☐	Timeframe:
	Standing water: Standing water ponded on pavement surface is present	Comment/Measurements:	Action:
		Pass ☐ **Fail** ☐	Timeframe:

COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Pavement Surface *(Continued)*	**Trash:** Trash is visible and impairing aesthetics or function of the GI	Comment/Measurements:	Action:
		Pass ☐ **Fail** ☐	Timeframe:
	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 aesthetic value	Comment/Measurements:	Action:
		Pass ☐ **Fail** ☐	Timeframe:
	Pavement surface sediment accumulation: Joints between pavers or grid cells are completely filled with fine sediment, any portion is covered with sediment	Comment/Measurements:	Action:
		Pass ☐ **Fail** ☐	Timeframe:
Planting Area	**Vegetation cover:** Less than 80% of planting area is covered by living vegetation	Comment/Measurements:	Action:
		Pass ☐ **Fail** ☐	Timeframe:
	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 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:

COMPONENT	INDICATOR	CONDITION	FOLLOW-UP
Outlet *(Continued)*	**Underdrain obstruction:** Structural damage, sediment clog or vegetation roots are visible and reducing conveyance capacity of the pipe by ≥ 33%	Comment/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	Comment/Measurements:	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/Measurements:	Action:
		Pass ☐ **Fail** ☐	Timeframe:

Simplified Notation:

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 ☐ Warranty ☐ Routine Operation ☐ Maintenance Verification ☐ Performance Verification ☐
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, measured or estimated from contributing drainage area and rainfall depth for natural storm events, measured by flow meter for simulated storm events)**				
B	Maximum post-storm sub-surface storage reservoir water level (mm, at end of rainfall or delivery of water to the GI)				
C	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)				
E	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)				
H	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: