



# **Permanent Stormwater Management Facility Inspection Form Bioretention**

**Inspection report submitted for year: \_\_\_\_\_**

## **City of San Marcos Ordinance Section 86.531 - Maintenance and repair of permanent stormwater facilities:**

Owner(s) of permanent stormwater management facility(ies) must conduct, at a minimum, an annual inspection of each facility. The inspection report must be prepared by a Texas-licensed engineer and the licensed engineer must be chosen from a list of precertified engineers provided by the city.



**Permanent Stormwater Management Facility  
Inspection Form  
Bioretention**

*Revised April 1, 2020*

**Legend:**

**S = Satisfactory – Pond is in a condition that meets original design specs.**

**U = Unsatisfactory – Pond is in a condition that does not meet original design specs.**

**N/A = Not Applicable**

**Type of Bioretention:**

Tree Box     Modular Wetland     Rain Garden     Bioswale

Planter Box     Other: \_\_\_\_\_



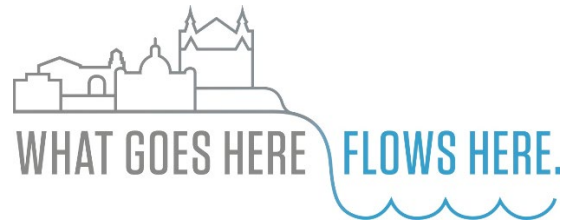
**Inflow Points Assessment (Where the inflow into the pond originates)**

Inspection	S	U	N/A	Corrective Actions	Expected Completion
Obstruction (vegetation/debris/ sediment)					
Erosion/undercutting					
Displacement of filter fabric or rip rap					
Sediment accumulation					
Inflow point structural condition					
Energy dissipation structural issues					
Comments					



**Sediment Forebay Assessment (Pre-treatment area, initial sediment drop-out pond)**

Inspection	S	U	N/A	Corrective Actions	Expected Completion
Sediment/debris accumulation					
Erosion/undercutting					
Vegetation adequately maintained					
Unwanted vegetation present (invasive, woody species)					
Flow is by-passing pretreatment					
Comments					



**Embankment Assessment (Side slopes, berms within treatment areas)**

Inspection	S	U	N/A	Corrective Actions	Expected Completion
Erosion/bare soil/loss of dam material					
Unwanted vegetation present (invasive or woody species)					
Animal burrows present					
Vegetation adequately maintained					
Comments					



**Main Treatment Assessment (Area of main treatment and further sediment drop-out)**

Assessment	S	U	N/A	Corrective Actions	Expected Completion
Sediment/debris accumulation					
Erosion/undercutting					
Standing water					
Underdrain free of obstructions					
Vegetation adequately maintained					
Vegetation diseased or dying					
Unwanted vegetation present (invasive, woody species)					
Comments					



**Outfall Structure Assessment (Area where treated water discharges from the facility)**

Inspection	S	U	N/A	Corrective Actions	Expected Completion
Obstructed pipe/trash rack/draw down orifice					
Erosion /undercutting					
Joint failure/loss of joint material/soil piping					
Displacement of filter fabric or rip rap					
Sediment/debris accumulation					
Comments					



**Spillway Assessment (Area where surplus water can pass through)**

Inspection	S	U	N/A	Corrective Actions	Expected Completion
Eroded/bare areas in spillway					
Unwanted vegetation present (invasive or woody species)					
Spillway obstructed					
Comments					

**Miscellaneous Assessment**

Inspection	S	U	N/A	Corrective Actions	Expected Completion
Access restricted (ex: fence, vegetation, etc.)					
Evidence of routine maintenance not being performed					
Issues with additional features (ex: walkways, fences, etc.)					
Undesired species (animal, insect, etc...)					
Comments					





**Photographs:**

Please attach photographs taken of each assessment inspection in this section of the report. Include a description of each photograph. Attach additional pages as needed.



## **Inspection results:**

**Pass**

Inspection determined that the facility is operating as it was originally designed and no apparent problems exist.

**Pass with conditions**

The facility is operating as it was originally designed, however, some maintenance items should be addressed as a good housekeeping measure to prevent future deficiencies. These maintenance items are addressed in the above assessments and/or in the additional comments listed below.

**Fail**

Inspection of the facility determined that deficiencies were discovered and the facility is not operating as it was originally designed. Maintenance and/or recommended repairs are addressed in the individual assessments and/or in the additional comments section of this report. See enforcement actions listed below

## **Enforcement Actions**

### **Enforcement procedures are as followed:**

Failed inspection reports must be submitted to the City of San Marcos within 5 business days from the time of inspection. Maintenance and/or repairs must be addressed within 30 days of the City of San Marcos receipt of this report. If it is infeasible to address any maintenance and/or repairs of the facility within 30 days of the City of San Marcos receipt of this report, please contact the City of San Marcos Stormwater Systems Manager (512-393-8036) in regards to providing a maintenance/repair schedule.



**Additional Comments:**

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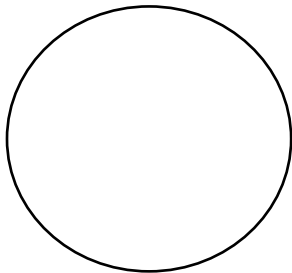
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**I certify that this information is true and accurate to the best of my knowledge.**

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_