



Structural Control Inspection Form Bioretention

Inspection report submitted for year: _____

City of San Marcos Ordinance Section 86.531 - Maintenance and repair of structural controls:

Owner(s) of structural controls that discharge or connect to the City of San Marcos stormwater utility (MS4) or discharge into Waters of the United States within San Marcos city limits must conduct, at a minimum, inspection of each structural control every three (3) years following a passing inspection beginning in 2020. The inspection must be performed by a Texas-licensed engineer and the licensed engineer must be chosen from a list of precertified engineers provided by the city.



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Revised August 2020

Legend:

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

U = Unsatisfactory – Control 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 control is operating as it was originally designed and no apparent problems exist.

Pass with conditions

The control 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 control 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 control 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.

