



# **Structural Control Inspection Form Wet Detention Basin**

**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.



## Structural Control Inspection Form Wet Detention Basin

*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**

**Inlet Point Assessment (Where the inflow into the pond originates)**

Inspection	S	U	N/A	Corrective Actions	Expected Completion
Obstruction (vegetation/debris/ sediment)					
Structural Condition					
Erosion/Undercutting					
Displacement of rip rap or fabric					
Comments					



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

Inspection	S	U	N/A	Corrective Actions	Expected Completion
Sediment accumulation					
Invasive or woody vegetation					
Diseased or dying vegetation					
Comments					



**Permanent Pool Assessment (Area of main treatment and further sediment drop-out)**

Inspection	S	U	N/A	Corrective Actions	Expected Completion
Visible pollution (trash, debris, oil sheen, etc.)					
Sediment accumulation					
Diseased or dying vegetation					
Invasive or woody vegetation					
Algae cover %					
Emergency spillway free of obstructions and woody vegetation					
Permanent pool level normal $\geq 5$ days after rain event					
Comments					



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

Inspection	S	U	N/A	Corrective Actions	Expected Completion
Bare soil, erosion, loss of dam material					
Invasive or woody vegetation					
Animal burrows					
Diseased or dying vegetation					
Signs of seepage on downstream face					
Embankment mowing					
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					



### Miscellaneous Assessment

Inspection	S	U	N/A	Corrective Actions	Expected Completion
Access restricted (ex: fence, vegetation, etc.)					
Evidence of routine maintenance not being performed					
Is site modified from approved plan					
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 control 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.

