



Stormwater

MS4 PERMIT; PART III. A. 1. *Structural Controls and Stormwater Collection Systems Operation*

Standard Operating Procedures Structural Control Inspections Dry Detention / Retention System

There is one dry retention system in the Town of Lake Park that is a part of the MS4. It is located adjacent to the Intracoastal Waterway at the Lake Park Harbor Marina. It is regularly mowed by a lawn maintenance contractor.

Inspections:

The Town of Lake Park conducts inspections of the Stormwater dry detention / retention systems every three years, using the following Dry Detention / Retention System – Structural Control Inspection Form. This inspection form is archived for documentation purposes. It is also inspected for problems during the mowing process and any issues in functionality are reported to the Stormwater Division for necessary attention or repair. General inspections are also conducted as to the storage recovery time of that dry detention/retention system (generally 72 hours after a significant rainfall event) to verify that the system still functions as intended.

Maintenance:

There are several maintenance activities that may be associated with a dry detention/retention system. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Mow grass.
2. Remove trash and debris from system and dispose of properly.
3. Remove accumulated sediment from the inflow pipe and dispose of properly.
4. Eliminate any mosquito breeding habitats.
5. Repair any undercutting or piping around inflow structure.
6. Repair and re-establish any eroded areas on the bottom, side slopes, and/or near inflow structure.
7. Scrape, disc, or otherwise aerate the bottom of the detention/retention area to restore the infiltration capacity. Re-established the surface to its final condition (seed, sod, etc...)



Stormwater

Dry Detention/Retention System – Structural Control Inspection

Facility ID: _____

Date: _____

Inspection conducted _____ days/hours after significant rainfall event (Must be within 72 hours).

FUNCTION:

Wet bottom? *YES* *NO*

Dead or dying vegetation on bottom? *YES* *NO*

Any signs of accumulated sediment? *YES* *NO*

If *YES*, report to supervisor for further investigation or schedule for maintenance.

EROSION:

Vegetation on bottom and side slopes failing? *YES* *NO*

Any signs of erosion? *YES* *NO*

If *YES*, describe and schedule for maintenance: _____

INFLOW STRUCTURE:

Any signs of erosion? *YES* *NO*

Any signs of structure settling? *YES* *NO*

Any signs of physical damage? *YES* *NO*

Any signs of accumulated sediment? *YES* *NO*

If *YES* to any of the above, schedule the structure for maintenance.

Any debris present? *YES* *NO*

If *YES*, remove debris or schedule for maintenance.

Town of
LAKE PARK



Department of
PUBLIC WORKS

Stormwater

OUTFLOW STRUCTURE (for Dry Detention systems only):

Any signs of erosion? *YES* *NO*

Any signs of structure settling? *YES* *NO*

Any signs of physical damage? *YES* *NO*

Any signs of accumulated sediment? *YES* *NO*

If *YES* to any of the above, schedule the structure for maintenance.

Any debris present? *YES* *NO*

If *YES*, remove debris or schedule for maintenance.

GENERAL:

Any signs of “excessive petroleum hydrocarbon contamination”? *YES* *NO*

Any indications of illicit discharge or illegal dumping? *YES* *NO*

If *YES*, address issue as required.