



Stormwater

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

Standard Operating Procedures Structural Control Inspections Pipes, Inlets, and Manholes

These Standard Operating Procedures are for the Town of Lake Park's use in complying with the MS4 NPDES permit requirements for the inspection and maintenance of structural controls, specifically pipes, inlets, and manholes.

There are approximately 46,170 feet of drainage pipe ranging in size from 12-inch diameter to 60-inch diameter that are a part of the Town's MS4. Also, there are approximately 7,840 feet of exfiltration trench, but the inspection process for these structures is different than those of the drainage pipe. The locations of the pipe and trenches are shown on Sheet 1 of 3 on the hardcopy map submitted as Exhibit 7, "Existing Drainage System", in the August, 1999, Engineering Investigation and Report, Comprehensive Storm Drainage Improvements Program report for the Town of Lake Park. Sheet 3 of 3 of Exhibit 7 details the pipe type, length, slope, and diameter between the individually numbered structures and assigns each pipe to a specific drainage basin.

There are approximately 335 inlets, 74 manholes, and 14 outfalls that are a part of the Town's MS4. The locations of the structures are shown on Sheet 1 of 3 on the hardcopy map submitted as Exhibit 7, "Existing Drainage System", Comprehensive Storm Drainage Improvements Program report for the Town of Lake Park. Sheet 2 of 3 of Exhibit 7 identifies which drainage basin the structure is in, along with grate and invert elevations.

Inspections:

The Town of Lake Park conducts inspections of all of the stormwater structures on an annual basis. At least 10% of the total number of linear feet of pipe is inspected each year by observing the reaction of jetting and vacuuming activities as well as examining the effluent generated and captured for disposal. Visual inspections are conducted and documented in accordance with the checklist on the attached Structural Control Inspection Form. These daily inspection reports are archived for reference as to the last inspection date.



Stormwater

As a result of the visual inspection, a more detailed investigation may be warranted. This may include photo documentation or the use of mirrors or other devices, as appropriate, to determine if televising of the entire line needs to be scheduled. A list of drainage pipes in need of televising is being generated.

Maintenance:

There are several maintenance activities that may be associated with stormwater networks. The appropriate activity is chosen to correspond to the reported condition. The following activities may be required:

1. Remove trash and debris and dispose of properly.
2. Remove accumulated vegetative matter and dispose of properly.
3. Remove accumulated sediment and dispose of properly.
4. Remove barnacles and/or other marine life and dispose of properly.
5. Repair/replace the headwall at the end of the pipe, if applicable.
6. Repair/replace pipe or structure, if needed.

Documentation:

See attached Town of Lake Park, Inspection Form for Structural Controls and Lake Park Storm Water Division time sheet with meter readings.

Town of Lake Park
Inspection Form for Structural Controls
Catchbasin / Inlet

ID:	<table border="1" style="width: 100%;"><tr><td style="width: 50%;">Basin #</td><td style="width: 50%;">Structure #</td></tr></table>	Basin #	Structure #	Date:	
Basin #	Structure #				
Location:					
Receiving Body:					
Description:					
Weather:					
Corrosion:					
Erosion:					
Vegetation:					
Debris:					
Sediments:					
Litter:					
Oil / Grease:					
Other:					
Condition:					
Comments:					
Recommendations:					
Inspected By:		<div style="border: 2px solid black; width: 150px; height: 100px; margin: 0 auto;">insert picture</div>			
Department:	Stormwater				
Vicinity inspected for indication of illicit discharges: <input style="width: 50px;" type="text"/>					

