

Part III.A.1(a)

Town of Palm Beach MS4 NPDES Program Pipes/Culverts and Inlets/Catch Basins/Manholes – Structural Control Inspection Standard Operational/Maintenance/Documentation Protocol

There are 41 miles of pipe that are part of our MS4. This value and the locations on the GIS map do NOT include exfiltration trench, which is catalogued separately. Each pipe segment (between two structures or between a structure and an outfall) has a unique identification. This information is stored in a geographic information system (GIS) map which has previously been submitted.

There are 1404 inlets/catch basins/manholes that are part of our MS4. Each structure has a unique identification. This information is stored in a geographic information system (GIS). or on hardcopy maps of the system.

Inspections:

The entire storm sewer system that comprises the MS4 is inspected at least annually. Inlets and catchbasins are inspected quarterly. Manholes associated with a pipe/culvert system are inspected concurrently. The pipe/culvert system between each manhole and inlet is inspected concurrently. Inspections are also conducted to monitor performance during storm events and after the conclusion of significant storm events. Visual inspections and routine maintenance activities are conducted in accordance with the checklist/procedure that follows. If warranted, as a result of the visual inspection, a work order for maintenance, repair, or a more detailed pipe or structure investigation is generated. A more detailed investigation may include televising the pipe, or using mirrors or other devices, as appropriate, to determine the condition of the pipe/culvert. As a result of the more detailed investigation, a work order for maintenance or repair are generated as may be required.

In addition to regularly scheduled inspections and storm event related inspections Town staff responds to Citizens complaints and queries. Public Works staff will investigate and inspect as required in response. Maintenance which may be required in response will be performed.

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 are performed:

Inlets and Catchbasins (quarterly)

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.

Manholes and pipes (minimum annually)

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.

Documentation: Inspection forms are maintained by Public Works Water Resources Division