

The Borough of Stone Harbor
Water and Sewer Department

TIDEFLEX VALVE MAINTENANCE PLAN

The following Tideflex Valve Maintenance Plan and Report are a standard part of “Drainage Maintenance Standard Operating Procedures” effective October 1, 2016 and are conducted bi-annually.

Maintenance of Tideflex Valves

In an effort to reduce the effect of flooding in the Borough of Stone Harbor, Tideflex valves have been installed in various locations throughout the Borough. Tideflex valves will be inspected annually either as part of the regular Stone Harbor storm water system maintenance program or case by case as a complaint/request for service. To reduce the potential of flooding, if during an inspection a deficiency is found to exist, it needs to be rectified as soon as possible. The main deficiency for a Tideflex valve is bypass, therefore inspections/maintenance should focus on valves sealing and eliminating any potential of interference of the valve closing correctly.

Inspections

When inspected, the valve should be checked for working condition. The valve should be free of debris that would cause bypass. If debris exists it needs to be removed and disposed of correctly. Valves that are free standing such as those on the bay side of the bulkhead or at the head of a drainage swale must be up out of the mud. Mud, soil, or debris of any type must be cleared away from the valve.

If the valve is in the vault, all mud and debris must be removed, including floatables.

Bolts, clamps, and any other fastening hardware should be inspected, complete, tightened, and otherwise in good working condition.

A valve that does not seal after corrective maintenance has been conducted needs to be reported to the Public Works Director to make a determination on further action or replacement.

Reporting

All Tideflex valve inspections need to be memorialized on the “Tideflex Valve Report Form” (attached) to be kept by the supervisor of the Water and Sewer Department. At the end of each year the collections of reports need to be forwarded to the Public Works Administrative offices for the storage.

An annual Tideflex Valve maintenance summary will be included in the Public Works drainage inspection summary, submitted in November as part of the Flood Plan Management Report. A matrix will be added to the summary identifying the valve locations and the subsequent inspection dates.

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TIDEFLEX VALVE MAINTENCE REPORT FORM

DATE _____

VALVE LOCATION _____

NAME OF INSPECTOR _____

IS THERE ANY DEBRIS UPSTREAM/DOWNSTREAM? YES _____ NO _____

ACTION TAKEN _____

IS VALVE IN A VAULT? Yes _____ NO _____

IF IN VAULT IS THERE ANY DEBRIS/MUD? YES _____ NO _____

ACTION TAKEN _____

IS ALL FASTENING HARDWARE COMPLETE AND IN WORKING CONDITION?

YES _____ NO _____

ACTION TAKEN _____

DOES VALVE WORK PROPERLY? YES _____ NO _____

ACTION TAKEN _____

NOTES _____
