

***INFILTRATION/DETENTION BASIN
MAINTENANCE MANUAL***

FOR

***PROPOSED
HIDDEN HILLS ESTATES
MAJOR SUBDIVISION
MANALAPAN TOWNSHIP
MONMOUTH COUNTY
NEW JERSEY***

BLOCK 19, LOT 28 & 30

Project No. 20-101

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PREPARED BY

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PREVENTIVE AND CORRECTIVE MAINTENANCE

Detailed general maintenance and maintenance tasks for the storm water management facility (infiltration / detention basin) shall be consistent with the current New Jersey Best Management Practices Manual, (BMP Manual). The appropriate design, construction details and maintenance are herein and as prepared for the site.

SCHEDULE OF REGULAR INSPECTIONS AND TASKS

1. Inspection of the storm water management system shall be conducted at a minimum of a semi-annual basis and after a storm event exceeding 1" of rainfall.
2. Inspection of basin components (including but not limited to basin bottoms, trash racks, low-flow channels, outlet structures, conduit outlet protection, and inlets) must be inspected for clogging, excessive debris, and sediment accumulation two (2) times a year annually at a minimum, as well as after every storm event exceeding 1-inch of rainfall. Removal and disposal of trash, debris, and sediment shall be done in accordance with all applicable local, state, and federal regulations.
3. The water surface in the basin shall be maintained clean and free of surface algae and mosquito breeding areas. Corrective measures in accordance with local, state and federal regulations shall be implemented when these conditions are observed.
4. Basin side slopes and embankments shall be maintained structurally sound and well vegetated. Cracks, ruts, and eroded areas shall be restored in a timely manner when these conditions are observed. Inspection of basin side slopes and embankments shall be conducted at least once every six (6) months. All repairs shall be in accordance with the State of New Jersey Soil Erosion and Sediment Control Standards.

5. Maintenance and inspection of all other vegetation shall be done at least once a year or as unwanted growth, and deficiency of health, density, or diversity dictate immediate action. All clippings and trimmed vegetation shall be disposed of immediately per local, state, and federal regulations.
6. Basin bottom aeration shall be conducted at least once a year utilizing a roto-tiller. The basin bottom (K4 sand layer) shall be replaced every five (5) years to prevent sealing of the bottom via silt and sediment. Inspection of the sand layer shall be done at least twice a year.
7. The property owner shall be responsible for all general maintenance of the basins as described in this manual.
8. Should the contents of this Manual conflict with any provisions contained in the NJDEP Best Management Practices (BMP) Manual. The BMP Manual shall govern.

MAINTENANCE LOGS

Detailed logs of all preventive and corrective maintenance performed at the storm water management facility are to be filled out and presented to the party responsible for the operation and maintenance of the storm water management facility. Maintenance related work orders are also to be retained by the party responsible for the maintenance of the storm water management facility.

EMERGENCY CONDITIONS

Recommended corrective responses to various emergency conditions that may be encountered at the storm water management facility are to be determined on an as needed basis after each subsequent inspection. The property shall provide Manalapan Township with emergency contact information upon request.