

Stormwater Management Operations and Maintenance Manual for Underground Detention Basin

Proposed Convenience Store with Gas & Retail

Block 436, Lot 11.01
City of Linden, Union County, New Jersey

March 18, 2020

Prepared For

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MC Project No. 15002372A



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STORMWATER MANAGEMENT MAINTENANCE PLAN

Linden Edgar, LLC will be in charge of the operation and maintenance of the proposed ADS Underground Detention Basin. Maintenance procedures for this stormwater management facility should follow the procedures outlined below and coincide with the New Jersey Stormwater Best Management Practices Manual. This manual was prepared to provide a systematical process for maintenance purposes. This Manual shall be used in conjunction with the Stormwater Management Report for the same project. The responsible party is:

Linden Edgar, LLC
4 Caufield Place, Suite 102
Newtown, PA 18940
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INSTRUCTIONS FOR RESPONSIBLE PARTY

The party responsible for the maintenance of the stormwater management collection system shall abide by the following instructions in accordance with the NJDEP Stormwater Management Rules:

1. If there is a change in ownership, copies of this maintenance plan shall be provided to the future owner and operator of the stormwater management collection system.
2. The title and date of this maintenance plan and the name, address, and telephone number of the party responsible for the maintenance of the stormwater management collection system must be recorded on the deed of the property on which the facilities are located. Any change in this information must also be recorded on the deed.
3. The party responsible for the maintenance of the stormwater management collection system must evaluate this maintenance plan for effectiveness at least annually and revise as necessary.



4. A detailed written log of all preventative and corrective maintenance performed at the stormwater management collection system must be kept, including a record of all inspections and copies of maintenance-related work orders.
5. The person responsible for the maintenance of the stormwater management collection system should retain and, upon request, make available this maintenance plan and associated logs and other records for review by a public entity with administrative, health, environmental, or safety authority over the site.

SUBSURFACE DETENTION BASIN

The proposed underground detention basin proposed with this development are to be comprised of 36" ADS pipes. This underground detention basin shall be wrapped with an impermeable liner to restrict infiltration and be provided at the bottom of the basin and wrapped on all sides.

Proper care and attention in the long-term maintenance of the stormwater management measure is critically important to the safety and health of the public.

OPERATIONS AND MAINTENANCE PROCEDURES

A. GENERAL MAINTENANCE

Regularly scheduled inspections of the facilities should be performed at least one time annually for cracking, subsidence, spalling, erosion and deterioration. Components expected to receive and/or trap debris must be inspected for clogging at least twice annually. Sediment, debris and trash, which threaten the discharge capacity of the stormwater management collection system, should be removed immediately and properly disposed of in a timely manner. Sediment removal should take place when the basin is dry. Equipment and personnel must be available to perform the removal work on short notice. Disposal of debris, trash, sediment, and other waste material should be done at suitable disposal/ recycling sites and in compliance with all applicable local, state, and federal waste regulations. Only suitable disposal and



recycling sites should be utilized. Structural damage to the stormwater management facilities from vandalism, flood events or other causes must be repaired promptly.

The analysis of structural damage, design and performance of structural repairs shall only be undertaken by qualified personnel.

B. STRUCTURAL COMPONENTS

All structural components must be inspected for cracking, subsidence, spalling, erosion and deterioration at least annually.

C. STRUCTURAL COMPONENTS

The piping will require cleaning to remove silt and accumulated sediment by utilizing pressure jetting and a vacuum truck. This should be performed as required based on the visual inspection and if there is evidence of poor drain time (>72 hours)..

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APPENDIX

MAINTENANCE LOG ESTIMATE OF MAINTENANCE COSTS

Name of Facility: Wawa-Retail - Linden
Location: Block 436, Lot 11.01
City of Linden, Union County, New Jersey

Date _____
(X) Completed

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

STORMWATER MAINTENANCE PLAN

ANNUAL COST ESTIMATE

Wawa-Retail - Linden, NJ

MC FILE NO. 15002372A

BLOCK 436, LOT 11.01

CITY OF LINDEN, UNION COUNTY, NEW JERSEY

NOTES	DESCRIPTION	TIMES PER YEAR	UNIT COST	TOTAL COST
	INSPECT UNDERGROUND BASIN	1.0	\$500.00	\$500.00
	INSPECTION UP-FLO-FILTER	1.0	\$500.00	\$500.00
	INSPECT INLETS/MANHOLES	1.0	\$2,000.00	\$2,000.00
				\$3,000.00