For Block 386.02, Lot 19 Franklin Township Somerset County, New Jersey

PREPARATION DATE: MAY 12, 2020

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INTRODUCTION

The purpose of this manual is to provide guidelines for the operation and maintenance of the stormwater BMP's utilized on this site. This manual has been prepared for the use of the manager of the site to ensure that the designs of the BMP's will function properly with proper maintenance. The primary function of these BMP's is to provide water quality and control stormwater runoff. The stormwater Best Management Practices (BMPs) for the project consist of the following:

• Dry Well

RESPONSIBLE PERSONS

The owners of the property shall be responsible for the Stormwater Best Management Practices (BMPs) set forth in this Manual including the inspection, maintenance, repair, and replacement of the porous pavement and the record keeping associated therewith. The owners of the property shall also be responsible for compliance with all applicable federal, state and local statutes, rules, regulations, codes and ordinances pertaining to the porous pavement.

The responsibility for the maintenance and record keeping requirements of BMP components may be transferred to another party with notice given to the appropriate agencies.

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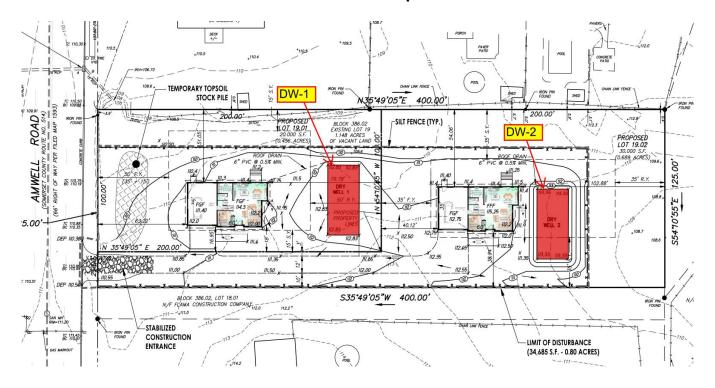
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List of Stormwater Management Measures

The stormwater management measures incorporated into this development are listed below.

Type of Stormwater Management Measure	BMP No.	Location Description	State Plane Coordinates / Lat., Long.
Dry Well	DW-1	Lot 19.01	X = 487325 Y = 604055
Dry Well	DW-2	Lot 19.02	X = 487424 Y = 604164

Location Map



Description of Stormwater Management Measures

Dry Well 1

Proposed Driveway:

- Area: Approximately 1,060 S.F. Total
- Stormtech SC310 Arch System
 - o 36 Chambers
 - o 33% Stone Voids
 - o 6 Inches Stone Above Arch
 - o 6 Inches Stone Below Arch
- Bottom of stone Bed El. 79.00
- Seasonal High Groundwater EL. 77.00
- Separation 2.00 feet.
- Maximum Drain Time 2.5 hrs
- Perm. Rate 5.29 in/hr

Dry Well 2

Proposed Driveway:

- Area: Approximately 1,060 S.F. Total
- Stormtech SC310 Arch System
 - o 36 Chambers
 - o 33% Stone Voids
 - o 6 Inches Stone Above Arch
 - o 6 Inches Stone Below Arch
- Bottom of stone Bed El. 79.50
- Seasonal High Groundwater EL. 77.50
- Separation 2.00 feet.
- Maximum Drain Time 4.5 hrs
- Perm. Rate 2.92 in/hr

Preventative Measures

Preventative maintenance of the stormwater Best Management Practices (BMPs) shall be performed on a regular basis, and is intended to keep the facilities operational and in an aesthetic condition at all times. Preventative maintenance for each type of BMP present includes the following procedures:

Dry Well

- A. General Maintenance / Removal of Trash and Debris Immediately following any rainfall event of one (1) inch or greater, and at least once every three (3) months all components of the Dry Well BMPs shall be inspected to ensure that stormwater runoff is infiltrating. All trash and debris should be removed from the Dry Well BMPs, and disposed of in compliance with all applicable local, state, and federal waste regulations
- B. Other Maintenance Criteria -- Observation of the time it takes for the Dry Well BMP to completely drain storm events should be used to evaluate the actual performance. The Dry Well BMPs should completely drain within 72 hours of the end of a rainfall event. More frequent readings taken while the Dry Well BMPs are holding water can be used to evaluate the infiltration rate, which should be at least 0.5 inches per hour. If the Dry Well BMPs fails to drain completely in 72 hours after the end of a storm event, a work order to correct any deficiencies should be prepared and the work performed as soon as practicable.

Corrective Maintenance

Corrective maintenance shall be provided as soon as practicable after a situation that requires attention is reported. Corrective maintenance includes repair of damage caused by vandalism, removal of debris and sediment that threatens the operation of the facilities, and correction of any problems that jeopardize the safety or operation of the facilities

Records

A written log detailing each inspection and of all preventive and corrective maintenance, including any maintenance-related work orders and receipts, shall be maintained by the person responsible for the maintenance of the BMP. A form for this purpose is included in Appendix B. The inspection and maintenance record should be reviewed annually by the person responsible to assess the effectiveness of the existing inspection and maintenance schedules, and as a guide for revising the plan, if necessary, to effectively maintain the operational integrity of the facilities.

Copies of all reports shall be submitted to the Municipal Engineer annually, prior to April 1.

The person responsible for the maintenance of each of the Stormwater Management Systems shall retain and make available, upon request by any public entity with administrative, health, environmental or safety authority over the site, the maintenance plan and the documentation required above

APPENDIX A

Dry Well INSPECTION AND MAINTENANCE LOG

Dry Well INSPECTION AND MAINTENANCE LOG

DATE:	INSPECTOR:	
	COMPANY:	
DATE:	INSPECTOR:	
	COMPANY:	
DATE:	INSPECTOR:	
	COMPANY:	
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