



Walker Engineering, Ltd.

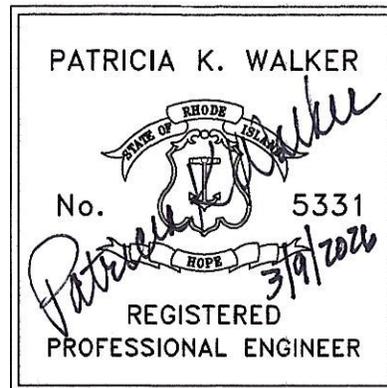
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## STORMWATER MANAGEMENT SYSTEM OPERATION & MAINTENANCE PLAN

Prepared for

**Hoxie Court Place, Proposed Lot 1  
Assessor's Plat 88, Lots 87 & 88.2  
Coventry, RI**



March 2026

## **STORMWATER MANAGEMENT SYSTEM OPERATION & MAINTENANCE PLAN**

### **SUMMARY**

The Stormwater Management System Operation & Maintenance Plan described herein is for the Proposed Lot 1 of Hoxie Court Place located on Assessor's Plat 88, Lots 87 and 88.2.

This O&M Plan will take effect once all construction is completed for the project, Hoxie Court Place.

The subject property is owned by Bruce B. Gibb and Victoria M. Gibb at this time.

Any changes in ownership or contact information contained in this plan will be revised and resubmitted to Town. These updates shall be the responsibility of the property owner.

### **Project Lot 1 Summary**

- Construct a 3-bedroom, single family residence with its associated amenities including a private drive, walkway, OWTS and public water connection
- Construction of an infiltration basin to serve the overall project.

### **Responsible Party for Maintenance**

- The contractor and/or current property owners shall be responsible for all maintenance associated with the stormwater system until all construction is completed.
- The Proposed Lot 1 owner shall assume all responsibility for maintenance once construction is completed.

### **DURING CONSTRUCTION**

*Provided for general reference only*

1. Prior to the start of any construction, the erosion controls shall be installed and shall be maintained throughout the construction until a stable ground cover is established.
2. During construction, the soil erosion and sedimentation programs found on the site plans prepared shall be followed and be the responsibility of the owner and/or contractor as applicable.
3. Preparation of the area for the infiltration basin shall conform to the procedures described as part of this plan set prepared.

4. Construction vehicles shall not be allowed to drive over the infiltration basin area during construction. If the area becomes compacted, soil must be suitably amended, tilled, and revegetated once construction is complete to restore infiltration capacity.

### **FOLLOWING CONSTRUCTION COMPLETION**

#### **General Description of Annual Maintenance Tasks**

##### Yard / lawn area

1. The yard area (lawn area) shall be created around the proposed Lot 1 residence and its associated amenities.
2. The infiltration basin shall be maintained throughout the year. Said maintenance is provided as part of the design. All plant materials shall be maintained to ensure proper growth and life, should any of these materials become diseased or die, they shall be replaced in kind and location. All maintenance performed shall be done in a manner to maintain the infiltration capacity of the basin.
3. Any area subject to erosive tendencies shall be replaced in kind to ensure that a stable ground cover is maintained at all times.
4. Mowing and other related maintenance shall be performed as site conditions warrant throughout the year.

#### **Description of Applicable Easements**

No easements are required to perform annual maintenance of the infiltration basin by the property owner of proposed Lot 1.

#### **Description of Funding Sources**

The property owner of proposed Lot 1 shall be responsible for all maintenance and operation of the stormwater system and as such, their funds shall be used as required.

#### **Minimum Vegetative Cover Requirements**

1. The vegetative cover requirements are provided as part of the landscape and drainage design provided on the site plans.
2. All vegetation proposed shall be maintained at all times and be replaced in kind should it become diseased or die.

#### **Access & Safety Issues**

There are no safety issues related to the maintenance and operation of the stormwater system.

#### **Pollution Prevention Measures**

1. Any sedimentation that may enter the stormwater systems shall be removed of promptly.

2. No pesticides or fertilizers shall be used in the infiltration basin.

### **REQUIRED ANNUAL MAINTAINENCE OF STORMWATER SYSTEM**

#### **General Stormwater System Maintenance Requirements:**

1. Any inadvertent or deliberate discharge of waste oil or any other pollutant to the stormwater system shall require immediate notification to the RIDEM and Town.
2. Any incident of groundwater contamination resulting from the improper discharge of contaminants to the stormwater system shall be the responsibility of the owner. The RIDEM and/or Town will require the owner to remediate any incidents that may adversely impact the quality of the groundwater.
3. Maintenance of the stormwater system shall be the responsibility of the owner upon final acceptance of construction.
4. Maintenance shall occur as field conditions warrant on a continual basis and throughout the year.
5. Stormwater systems designed for a 100-year, 24-hour storm event for the changed conditions of the proposed site improvements per State of Rhode Island and Town of Coventry requirements.
6. The stormwater system shall be properly maintained at all times.
7. All stormwater system areas shall be kept clear of debris at all times.
8. No foreign substances shall be dumped into the stormwater system at any time.
9. The stormwater systems shall be cleaned on an annual basis and as conditions may warrant.
10. Maintenance of the stormwater systems shall be performed on an annual basis under normal functioning of the system at a minimum. Any observed blockage, overflow of any stormwater system component or other observed issues in the field shall warrant an inspection and cleanout as may be required of any portion of the system.
11. Maintenance of the stormwater system shall be the responsibility of the owner and contracted to a professional servicer as conditions warrant.
12. Any areas experiencing erosive tendencies shall be repaired and reseeded immediately.

#### **Infiltration Basin Maintenance Requirements:**

1. The infiltration basin shall be maintained on a continual basis, as needed and throughout the year. Said maintenance is provided as part of the design.
2. Maintenance of the basin shall be the responsibility of property owner as described and required.
3. All maintenance performed shall be done in a manner to maintain the infiltration capacity of the basin.
4. The infiltration basin shall be inspected annually and after large storm events

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5. Eroded side slopes and channel bottom shall be stabilized as necessary
6. If the surface of the infiltration basin becomes clogged to the point that standing water is observed on the surface 48 hours after precipitation events, the bottom shall be roto-tilled or cultivated to break up any hard-packed sediment, and then reseeded
7. Vegetation in the infiltration basin shall be mowed as required to maintain minimum grass heights in the 4 to 6 inch range
8. Every five years, the basin bottom of dry basin should be scraped to remove sediment and to restore original cross section and infiltration rate, and should be seeded to restore ground cover, where necessary

**PRELIMINARY ESTIMATED BUDGET FOR ANNUAL MAINTENANCE**

The Preliminary Budget is provided as required per Rule 250-RICR-150-10-8.17B6

- The following estimate has been prepared based on information provided by a contractor that has been contracted for similar maintenance for a private roadway development.
- It is assumed that the property owner will contract services.
- The Budget will be finalized based on a bidding process for the services.
- Field observations are on-going during the general maintenance and any issues identified shall be followed up by field inspection report and required maintenance

<u>Location</u>	<u>Responsible Party for Funding</u>	<u>Task Description</u>	<u>Unit Cost</u>	<u>Basis</u>	<u>Annual Total</u>
Infiltration Basin	Property owner	Mowing	\$250 / season	Assumed 3 /yr	\$ 250
		On-going observations performed during task and includes stormwater measure, Annual inspection and report filed and as conditions warrant, and maintenance performed			\$ 200
		Semi-annual inspections and annual cleaning with inspection report completed			\$ 500

**RECORDKEEPING**

Records of inspection report and any corrective measures implemented or required shall be maintained by the property owner for a period of five (5) years. Said reports shall be made available upon request.

Sample Checklist for Inspection, Maintenance and Repair for the stormwater measure are provided in APPENDIX A.

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# MAINTENANCE PLAN



## APPENDIX A

### Sample Checklist for Inspection, Maintenance & Repair

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INFILTRATION BASIN INSPECTION CHECKLIST Page 1	
<b>PROJECT</b>	Hoxie Court Place Proposed Lot 1
<b>SITE STATUS</b>	
<b>DATE &amp; TIME</b>	
<b>INSPECTOR NAME</b>	

MAINTENANCE ITEM	SATISFACTORY		COMMENTS
	YES	NO	
<b><i>DEBRIS CLEANOUT (ANNUAL &amp; AFTER MAJOR STORMS)</i></b>			
Contributing areas clean of debris			
Basin area clean of debris			
<b><i>DEWATERING (SEMI-ANNUALLY)</i></b>			
Basin dewatered between storms			
No evidence of standing water			
<b><i>VEGETATION (ANNUAL &amp; AFTER MAJOR STORM EVENTS)</i></b>			
Mowing done when needed			
Minimum mowing depth not exceeded			
No evidence of erosion			
No replacement of inappropriate plants			
No evidence of fertilizer or pesticide use			
<b><i>SEDIMENT DEPOSITION (ANNUAL &amp; AFTER MAJOR STORM EVENTS)</i></b>			
Clean of sediment			
<b><i>INLETS (ANNUAL &amp; AFTER MAJOR STORM EVENTS)</i></b>			
Good condition			
No evidence of erosion or sediment			
<b><i>OUTLETS / OVERFLOW SPILLWAYS (ANNUAL &amp; AFTER MAJOR STORM EVENTS)</i></b>			
Good condition, no need for repair			
No evidence of erosion			
<b><i>AGGREGATE REPAIRS (ANNUAL &amp; AFTER MAJOR STORM EVENTS)</i></b>			
Basin does not need rehabilitation			

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<b>INFILTRATION BASIN INSPECTION CHECKLIST Page 2</b>	
<b>PROJECT</b>	Hoxie Court Place Proposed Lot 1

<b>COMMENTS</b>

<b>ACTIONS TO BE TAKEN</b>

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Signature of Inspector

Date