

**Long Term Stormwater Best Management Practices**  
**Operation and Maintenance Plan**

for

**Billerica Dog Park**  
**Billerica, Massachusetts**

Prepared on June 20, 2017

The following operation and maintenance plan has been provided to satisfy the requirements of Standard 9 of the Mass DEP Stormwater Management Handbook. The success of the Stormwater Management Plan depends on the proper implementation, operation and maintenance of several management components. The following procedures shall be implemented to ensure success of the Stormwater Management Plan:

1. The contractor shall comply with the details of construction of the site as shown on the approved plans.
2. All loamed & seeded areas shown on the Site Construction Plans shall be inspected and maintained as indicated below.
3. Effective erosion control measures during and after construction shall be maintained until a stable groundcover or turf is established on all altered areas.

**Basic Information**

Stormwater Management System Owner:                      Billerica Recreation Department  
248 Boston Road  
Billerica, MA 01821  
Phone: 978-671-0921

Billerica Conservation Commission:                              365 Boston Road  
Billerica, MA 01821  
Phone: 978-671-0966

Billerica Board of Health:    365 Boston Road  
Billerica, MA 01821  
Phone: 978-671-0931

Site Design Engineer Information:                                      The Morin-Cameron Group, Inc.  
66 Elm Street  
Danvers, MA 01923  
Phone: 978-777-8586

### **General Conditions**

1. The property Owner shall be responsible for scheduling regular inspections and maintenance of the stormwater Best Management Practices (BMP's) as detailed in the long-term pollution prevention plan and illustrated on the approved design plans:
2. All Stormwater BMP's shall be operated and maintained in accordance with the design plans and the following Long-Term Pollution Prevention Plan.
3. The Owner shall:
  - a. Maintain an Operation and Maintenance Log for the last three years. The Log shall include all BMP inspections, repairs, replacement activities and disposal activities;
  - b. Make the log available to the Billerica Conservation Commission upon request;
4. A recommended inspection and maintenance schedule is outlined below based on statewide averages. This inspection and maintenance schedule shall be adhered to at a minimum for the first year of service of all BMP's referenced in this document. At the commencement of subsequent years of service, a more accurate inspection / maintenance schedule shall be determined based on the level of service for this site.

### **Long-Term Pollution Prevention Plan (LTPPP)**

#### **Vegetated Areas:**

Immediately after construction, monitoring of the erosion control systems shall occur until establishment of natural vegetation. Afterwards, vegetated areas shall be maintained as such. Vegetation shall be replaced as necessary to ensure proper stabilization of the site. Cost is included with annual O&M budget.

#### **Grass Maintenance & Mowing Guidelines:**

The densely vegetated slope adjacent to the gravel parking lot and the restoration area in the rear of the site shall be inspected after every major storm event for the first 3 months after construction; a major storm event is 3.9 inches of rainfall in a 24-hour period (5-year storm). Thereafter, it shall be inspected once per year to ensure that it remains stabilized with vegetation and is not eroding.

Remove trash and debris if observed at any time.

The densely vegetated slope and restoration area shall be mowed only once per year, in the fall, to allow the grasses and plants to mature and produce seed, and to prevent growth of woody vegetation. Grass and clippings shall be removed for offsite disposal.

Regular mowing is permitted, however, to provide a 5-ft wide maintained strip of land along the outside of the fence for the purposes of tick control.

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### **Trash and Pet Waste Disposal:**

Pet waste bag dispensers & waste receptacles shall be provided for trash and pet waste disposal. Depending on usage and season, the receptacles shall be maintained once or twice weekly by the Owner to ensure adequate disposal occurs. The park rules shall include measures for pet waste pick up responsibility by the pet owners.

### **Debris & Litter:**

All debris and litter shall be removed from the parking area and area immediately surrounding the park as necessary to prevent migration into the drainage system or surrounding wetland areas. Periodic inspections and clean-up efforts shall be performed by Owner, or designated members of the dog park committee.

### **Pesticides, Herbicides, and Fertilizers:**

Pesticides, herbicides, and fertilizers shall be used sparingly, and be organic and environmentally friendly. If used, signage shall be posted to notify users of date and type used, and the Billerica Director of Environmental Affairs shall be notified. All fertilizers, herbicides and pesticides shall be stored off site, or in a dry area that is protected from weather and secured to prevent children from obtaining access to them. Any major spills shall be reported to municipal officials.

### **Snow Storage and Removal:**

The dog park will remain open year round during daylight hours. However, it is not anticipated that the parking lot will be plowed to minimize annual maintenance costs associated with plowing and to prevent scouring of the gravel parking area. In the event that plowing occurs, snow shall be stockpiled in the area designated on the plan. The Owner shall be responsible for informing snow removal contractors of the location for snow storage areas on the property.

### **Prevention of Illicit Discharges:**

Illicit discharges to the stormwater management system are not allowed. Illicit discharges are discharges that are not comprised entirely of stormwater. Pursuant to MassDEP Stormwater Standards the following activities or facilities are not considered illicit discharges: firefighting, water line flushing, landscape irrigation, uncontaminated groundwater, potable water sources, foundation drains, air conditioning condensation, footing drains, individual residential car washing, flows from riparian habitats and wetlands and water used for street washing.

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### **Park Rules and Regulations:**

Park rules and regulations will be posted at the park entrance (as approved by the Board of Selectmen on 17 April 2014), as follows:

1. Users must comply with posted rules. Owners of dogs shall be legally responsible for any and all injury or destruction of property caused by their dog(s) in an off-leash area. (As per MGL Ch 140 §155).
2. Use the park at your own risk
3. Dogs must be licensed Billerica dogs, vaccinated, and wear a collar with visible tags. Choke, prong and spike collars are prohibited inside the park. Please remove them before entering.
4. Handlers must have possession of a dog leash at all times. Dogs must be leashed prior to entering and upon leaving the park.
5. No animals other than dogs are allowed.
6. Limit 3 dogs per handler.
7. No female dogs in heat, or puppies under 4 months of age.
8. No dog or human food, glass containers or smoking.
9. Dogs showing aggression towards people or other dogs must be immediately removed from the park.
10. Owners must remain inside the fenced in area, within sight and voice control of their dog.
11. Handlers must pick up and dispose of their dog's waste immediately and should encourage others to do the same.
12. Please fill any holes dug by your dog immediately and discourage him/her from digging
13. Children 8 years or under are not allowed in the off-leash area. Children 9 to 16 must be accompanied and supervised by an adult.
14. Small dog area limited to dogs less than 25 pounds.
15. Snow removal is not provided in winter.

### **Operations & Maintenance Funds**

Funds will be contributed annually by the Friends of the Billerica Dog Park Committee, Inc. to the Owner for the purposes of park maintenance including the stormwater management system. Any remaining funds not used that year will be saved for future maintenance use.