



Gale Associates, Inc.

163 Libbey Parkway | P.O. Box 890189 | Weymouth, MA 02189-0004
P 781.335.6465 F 781.335.6467 www.gainc.com

August 21, 2007

Mr. Brian Monahan, Conservation Administrator
Town of Wayland
Town Building, 41 Cochituate Road
Wayland, MA 01778

Re: Supplemental Information for Water Quality Swale
Wayland High School Turf Preservation Project – Gale JN 712050

Dear Mr. Monahan:

As requested, Gale Associates, Inc. (Gale) provides the supplemental information requested by the Wayland Conservation Commission in their July 27, 2007 letter to Ms. Nancy McShea. The following summarizes the request for supplemental information as they relate to the letter:

1. Enclosed with this letter is a revised Operations and Maintenance plan for the Wayland High School Turf Preservation Project. The O&M plan identifies the responsible parties for maintenance, type of maintenance requirements and schedule of maintenance requirements for the proposed drainage system, including the proposed water quality swale.
2. The size of the required riprap at the outlet of the 15" HDPE shall be in accordance with Massachusetts Highway Department's Standard Specifications for Highways and Bridges subsection M2.02.3 – Stone for Pipe Ends. Each stone shall not weigh less than 50 pounds not more than 125 pounds and at least 75% of the volume of stone shall consist of stone weighing not less than 75 pounds each.
3. The seed mix proposed for the water quality swale shall be a standard seed mix currently being used for the facility which is a park mix, 50% Laredo Perennial Rye, 25% Creeping Red Fescue, 25% Kentucky Bluegrass 85/80.

Items 4 – 16 of the letter appear to be conditions set as part of the Wayland Conservation Commission's approval of the revised drainage, and do not warrant Gale's submission of any supplemental information. If you have any questions or need any further information, please contact our office.

Very truly yours,

GALE ASSOCIATES, INC.

Nathan A. Collins
Project Manager

NAC/lat

cc: Nancy McShea, Wayland Recreation Dept.

Enclosures:

1. Operation & Maintenance Plan

G:\712050\NOI\swale responses82107.doc

RECEIVED

AUG 27 2007

WAYLAND CONSERVATION COMMISSION Boston
Baltimore
Orlando
San Francisco



**Wayland High School
Turf Preservation Project
Operations & Maintenance Plan**

PART 1 – STORMWATER MANAGEMENT SYSTEM DESCRIPTION

1A. OWNER:

Town of Wayland Public School
41 Cochituate Road
Wayland, MA 01778

1B. OPERATION:

The site plans which accompany these instructions show the components of the treatment system, direction of flow and nearby resource areas.

Stormwater run-off on the existing track and proposed filled synthetic turf field is directed to a series of flat panel drains, after flowing vertically through a stone base underneath the filled synthetic turf field. The flat panel drains connect to a series of collector pipes and nyloplast catchbasin structures. These collector pipes must be inspected periodically (every two (2) years) for accumulated sediment.

The run-off from the proposed D-areas will flow to a slotted polymer concrete slot drain, which connects to the proposed collector pipes.

The collector pipes will convey runoff to a proposed water quality swale, which will overflow to the existing bordering vegetated wetland.

PART 2 – RESPONSIBILITY FOR OPERATION AND MAINTENANCE

2A. PARTY RESPONSIBLE DURING CONSTRUCTION:

General Contractor – To Be Determined

2B. PARTY RESPONSIBLE FOR POST-CONSTRUCTION:

Town of Wayland Public School
41 Cochituate Road
Wayland, MA 01778

PART 3 - POST-CONSTRUCTION SCHEDULE

3A. CONSTRUCTION SCHEDULE

Construction activity to start no sooner than May 29, 2007 and be completed no later than September 17, 2007.

3B. POST-CONSTRUCTION SCHEDULE

The Town of Wayland Conservation Commission has issued an Order of Conditions allowing the work to be performed. Upon completion, the Owner must apply for and receive a certificate of compliance. This certificate(s) and Order of Conditions is issued under the Massachusetts Wetlands Protection Act.

The Order and certificate should be written to allow for routine maintenance during the construction and post-construction phases. A continuing condition in the certificate should ensure that maintenance can be performed without triggering further filings.

3B.1 ROUTINE SCHEDULE

The property's stormwater handling facilities must be inspected on a regular basis in order to comply with the project's wetland permit. Routine inspections must be made during the months of April and October of each calendar year as follows:

Athletic Field Sub-drainage

Inspect all nyloplast catchbasins at locations shown on site plans. Look for settling of base stone around structure, repair as required. Look at level of sediment at bottom of basin. Clean all ACO slot drains of leaves, trash, and debris.

Water Quality Swale

Inspect, semi-annually, for slope integrity, soil moisture, vegetative health, soil stability, soil compaction, soil erosion, ponding and sedimentation. Any repairs made shall be reported to the Wayland Conservation Commission.

Mowing shall be done at least once per year, but not more than four times per year, and only when the soil is dry, generally August – October. The grass within the swale shall be a minimum height of four (4") inches when mowed and all clippings must be removed.



Sediment and debris should be removed manually, at least once per year, and periodic reseeding may be required to maintain the dense growth of vegetation.

Snow Storage and Removal

The proposed athletic field will be off-line during the winter months, as no game activities are programmed for the site. Snow removal and storage will not be applicable for this project.

3B.2 NON-ROUTINE SCHEDULE

Vegetation

Inspect after each significant rainfall (1/2" or more) for first 6 months after construction to ensure surface vegetation is healthy, discharge devices are not blocked and banks are not eroding

Check all components after each major storm (2" of rainfall in 24 hours). Clean/repair as required.

3B.3 EMERGENCIES

In the event of an emergency spill release or other unexpected contamination event, all contaminated runoff from pavement must be prevented from leaving the property by performing the following:

1. At discharge pipe to wetlands, place layers of sand bags to block pipe end at the wetlands.

PART 4 – DOCUMENTATION

The Wayland Public Schools must perform inspection in accordance with the above Operation and Maintenance as described. A written inspection record shall document all areas of concern and identify names of inspectors and dates of inspection.