

**Exhibit C**  
**GUIDELINES/PROCEDURES FOR MAINTENANCE OF ABOVE GROUND STORM WATER  
MANAGEMENT BASINS**

**Inspections**

- 1) Inspections of ponds should be at a minimum of once per year. We further recommend that ponds be inspected on a monthly basis for debris, and that discretion be used for inspections after major storm events and to address any seasonal issues (mosquitoes, algae, vegetation, etc.). It is recommended that if only one inspection per year is performed, that it be during wet weather conditions to determine if the ponds are functioning properly.
- 2) Inspection priorities shall include:
  - a) Visual observation of the embankments for subsidence, erosion, cracking and woody plant material growth.
  - b) Visual observation of the conditions of the emergency spillway.
  - c) Visual observation of accumulation of sediment and debris in the outlet structure.
  - d) Visual obstruction of the adequacy of upstream and downstream channel erosion protection measures.
  - e) Visual observation and confirmation of any modification of the contributory watershed.
  - f) Visual observation of the pond and any channel side slope integrity.
- 3) As-built plans shall be used for reference during the inspection procedures.

**Mowing**

- 1) The side slopes and embankments shall be mowed at least two times per year to prevent the growth of woody plants and control weed growth.
- 2) Additional mowing to further control the growth of weeds may be completed at the discretion of owner.

**Debris and Litter Removal**

- 1) Debris and litter shall be removed from pond area.
- 2) Debris and litter shall be removed from the primary and emergency outlet structures to prevent clogging.

**Erosion Control**

- 1) If the pond side slopes, emergency spillway and embankment suffer from slumping and/or erosion, corrective measures such as re-grading, riprap, replacement and re-vegetation may be required. The owner shall complete the appropriate corrective measure to repair the problem.

### **Nuisance Control**

- 1) Depending on the type of above ground storm water management basin, nuisance control may or may not be required. Field conditions shall dictate the need for nuisance control.
- 2) If applicable, biological control of nuisance algae and mosquitoes utilizing flat head minnows should be considered in lieu of chemical controls.
- 3) If applicable, mechanical control of these nuisances may be considered as another option to chemical or biological control.

### **NON-ROUTINE MAINTENANCE PROCEDURES**

#### **Structural Repairs and Replacement**

- 1) Eventually, the primary outlets for the ponds will deteriorate and will need replacement. Routine maintenance and inspections will insure longevity of structures.

#### **Sediment Removal**

- 1) Unless otherwise specified in the storm water management plan, sediment clean out cycle is recommended every 10 to 20 years. It is recommended that sediment be removed from the permanent pool area once the permanent pool depth is less than 3 feet.
- 2) Bottom surveys of the sediment depth should be completed on a 5-year basis. If the sediment survey reveals an accelerated deposition rate, upstream conditions should be inspected for erosion control and sedimentation problems. Control of upstream erosion and sediment transport will decrease the rate of sediment deposition and thus preclude frequent, costly dredging and disposal operation.