

# City of Lorain Post-Construction Minimum Maintenance Standards

## Weekly/Monthly Maintenance Standards:

### Wet Extended Detention Basin Maintenance.

- (1) Remove floating debris.
- (2) Remove woody vegetative growth from pond area, including embankments.
- (3) Remove trash and/or accumulated sediment.
- (4) Remove obstructions in orifices and/or outlets.
- (5) Inspect for evidence of the accumulation of hydrocarbons and remediate as needed.

### Dry Extended Detention Basin Maintenance.

- (1) Remove woody vegetative growth.
- (2) Minimize heavy equipment, including mowers, in the vegetated areas to reduce soil compaction.
- (3) Inspect for evidence of the accumulation of hydrocarbons and remediate as needed.

### Bioretention Area/Rain Garden Maintenance.

- (1) Remove debris and or sediment from inlet and outlet pipes.
- (2) Minimize heavy equipment, including mowers, in the vegetated areas to reduce soil compaction.
- (3) Remove and replace any diseased or dead plant material. If specific species are not successful in the bioretention area, replace as appropriate to ensure full vegetation as designed.

## Annual Maintenance Standards:

### Wet Extended Detention Basin Maintenance.

- (1) Repair erosion to outfall or spillway.
- (2) Repair and/or replace damaged structures, such as catch basins, risers, pipes, and headwalls.
- (3) Repair animal burrows and/or other leaks in the dam structures.
- (4) Remove debris from overflow spillway and grates.
- (5) Mow embankments and remove woody vegetation on embankments.
- (6) Inspect and remove invasive plants.
- (7) Dredge pond on a 3-7 year cycle, or as necessary, to retain design capacity.

### Dry Extended Detention Basin Maintenance.

- (1) Remove sediment in sediment traps.
- (2) Check and remove any tree cover over basin.
- (3) Remove any aggregate (soil/mineral based) deposits.
- (4) Mow embankments twice per year.
- (5) Check basin 72 hours after rain events twice a year to ensure dewatering between storms is taking place at the facility. Repair as necessary to ensure functionality.

### Bioretention Area/Rain Garden Annual Maintenance.

- (1) Replace mulch at a depth of no greater than 3" and cover the entire area.
- (2) Remove compacted mulch prior to new mulch placement.
- (3) Repair any areas that have eroded.
- (4) Ensure cell is dewatering as required by the Ohio EPA and not bypassing facility. Repair as necessary to ensure functionality.

The above standards are intended as general guidance for post-construction maintenance. Defer to existing maintenance plans created by a qualified professional if they have been created for your property.