

**TOWN OF (INSERT)**  
**STORMWATER MANAGEMENT FACILITY**  
**MAINTENANCE AGREEMENT**

Document Number

Document Title

**Exhibit B: Prescribed Stormwater Facility Maintenance Practices and Procedures**

**(Delete those Maintenance Practices and Procedures that are not applicable)**

**Artificial Wetland Manual:** A detailed *Operations & Maintenance Manual* shall be developed as part of the design for any artificial wetland. A copy of the *O&M Manual* is attached to this exhibit and made part of this agreement.

**Detention Basin Safeguarding:** Trash racks, standpipes, outlet structures, outlet pipes, and anti-vortex devices shall be kept clear of debris. Non-structurally sound devices shall be replaced. Floating litter and algae shall be removed monthly. Sediment fore bays shall be dredged within the designed sediment storage cycle, this is usually about every five years, but shall not be greater than ten years. All grassed areas, embankments and flow control devices showing signs of erosion shall be repaired to the original plan requirements.

**Erosion Repair:** All grassed areas, embankments and flow control devices showing signs of erosion shall be repaired, reinforced, and revegetated immediately.

**Filter & Buffer Strip Refurbishment:** A vegetative strip sown in grasses which shows signs of erosion shall be repaired, reinforced and revegetated (possible over seeding) immediately. If the strip drains directly to a body of water, the use of fertilizer and pesticides shall be minimal.

**Forebay or Sediment Basin Restoration:** Once the sediment basin has filled to approximately 50% of its total volume (approximately every 10 to 15 years), sediment shall be removed and placed in an appropriate upland disposal site and stabilized.

**Infiltration Basin Refurbishment:** Heavy equipment must be kept out of the basin, to avoid compression of soils. Litter should be removed monthly. Deep tillage may be used in soils of marginal infiltration or if extended periods of ponding are occurring. Once the basin has lost 10% of its capacity to sedimentation, the sediment must be removed. Bare areas shall be regraded, seeded or otherwise vegetated

**Infiltration Trench Restoration:** Remove trench material and filter fabric that is clogged. Remove clogged native soil and replace with filter fabric and new trench material. Install monitoring well. All grassed areas, embankments and flow control devices showing signs of erosion shall be repaired to the original plan requirements.

**Manufactured Pretreatment Device Maintenance:** Prefabricated devices shall be maintained in accordance with the manufactures' recommendations, a copy of which is attached to this exhibit and made part of this agreement. Sump pits should be cleaned quarterly and prior to losing 60% of its capacity to sedimentation, trash or debris.

**Mowing:** Infiltration devices, dry basins, grassed waterways and buffers shall be mowed to a height of not less than three inches or more importantly to a height above the operating depth for a 1.5 inch rainfall, no less than twice per year. Depending upon the natural height of the selected grasses, mowing may be infrequent and necessary only to prevent the growth of undesirable woody plants and trees. Grasses shall not be allowed to grow to a height that permits branching or bending. This type of mowing requires equipment (*i.e.* sickle bars, flail or rough deck mowers) not associated with residential lawn care. Mowing shall only take place when the ground is dry, able to support machinery and avoid rutting.

**Accumulated Sediment Clean-up:** Accumulated sediment, in significant proportions, shall be removed and bare areas regraded, seeded or otherwise revegetated. Sediment material, free of trash and debris, may be used to fill and restore small depressions or shallow water pockets and then seeded.

**Swale Repair:** All grassed swales showing signs of erosion, scour, or channelization shall be repaired, reinforced and revegetated immediately. All other swales showing signs of erosion, scour, or channelization shall be repaired (at minimum) to the original plan requirements.

**Transported Material Removal:** Silt, sod, stone, and any other material transported as a result of high water volumes, velocities or scour shall be removed, replaced and reinforced immediately to its original plan specifications and location occupied prior to the catastrophic event. Trash and other deleterious debris shall be properly discarded

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**Check Dams:** Sediment deposits shall be removed when deposits reach 0.5 the height of the barrier. Removal of sediment may require replacement of stone. Maintenance shall be completed as soon as possible with consideration to site conditions.