RULE I: DRAINAGE SYSTEMS

1. **POLICY.** It is the policy of the Board of Managers to regulate new construction, improvement or repair of drainage systems (open and tiled) for the following purposes:

   (a) To preserve the capacities of drainage systems to accommodate future needs.

   (b) To improve water quality and prevent localized flooding.

   (c) To prevent the loss of drainage.

2. **REGULATION.** No drainage system may be altered, constructed, improved or repaired without first obtaining a permit from the District. The permit is in addition to any formal procedures or District approvals that may be required under Minnesota Statutes Chapter 103E or other drainage law. The Board of Managers may waive the requirement of a permit under this rule for repair to a drainage system if the applicant proposes to repair a tiled system of less than fifty feet in length, and where such repair would not alter the invert of the system.

3. **CRITERIA.** A project proposing to alter, construct, improve or repair a drainage system must:

   (a) Comply with orders or findings issued by the District or a previous Drainage Authority.

   (b) Comply with all Federal, State and District wetland protection rules and regulations.

   (c) Demonstrate that such activity will not adversely impact upstream and/or downstream water quality or quantity.

   (d) Provide stable channel and outfall.

   (e) Demonstrate concurrence with regional pond or subdivision drainage plans approved by the District, if applicable.

   (f) Conform to District Rule F (Wetland Alteration), as applicable.

   (g) If drainage system is proposed to outlet a landlocked basin, provide sufficient dead storage volume to retain back-to-back 100-year, 24-hour rainfalls and runoff.

   (h) Be designed for maintenance access and be maintained in perpetuity to avoid constituting an obstruction and otherwise to continue to meet the criteria of Section 3. The maintenance responsibility must be memorialized in a document executed by the property owner in a form acceptable to the District and filed for record on the deed. Alternatively, a public permittee may meet its perpetual maintenance obligation by executing a programmatic or project-specific maintenance agreement with the District.

4. **REQUIRED EXHIBITS.** The following exhibits must accompany the permit application. One full size (22 inches by 34 inches) and one reduced (maximum size of 11 inches by 17 inches).

   (a) Map showing location of project and tributary area.

   (b) Existing and proposed cross sections and profile of affected area.

   (c) Description of bridges or culverts required.

   (d) Narrative and calculations describing wetland impacts and effects on water levels above and below the project site.

   (e) Erosion and sediment control plan in accordance with District Rule D.

   (f) Hydrologic and hydraulic analysis of the proposed project.