

Road Ditch Drainage Policy

All new subdivisions shall provide a drainage system adjacent to roads that meet the Township Road Construction Standards and the requirements of Section 17.1 – STORMWATER MANAGEMENT AND EROSION CONTROL ordinance. Ditches shall have a 1:4 inslopes from the roadway and at all driveways and shall have a minimum depth of 3-feet. All driveways shall have a minimum of a 15" culvert under each driveway or as required by the drainage design to prohibit the spread of stormwater onto the public roadway.

Exceptions to the culvert requirements may be approved by the Board if during the plat review process the grading plan and drainage calculations indicate that culverts are not required at all driveway locations. The board approved grading and drainage plan may not be altered by the homeowner during driveway construction. All ditch/drainage systems must meet the following criteria.

1. The runoff from all sub catchment areas draining to a ditch shall be contained within the ditch without overtopping the driveway or encroaching onto the road shoulder for storms with a flood frequency in accordance the following table. The ADT or average daily traffic will be assumed to be 10-trips per day per household within the development plus any pass-through traffic from adjacent developments.

<u>Projected ADT</u>	<u>Overtopping Flood Frequency</u>	<u>Minimum</u>
0-10	2 year	
11-49	5 year	
50-399	10 Year	
400-1499	25 year	
1500 and up	50 year	
1500 and up	50 year	

In addition to meeting the flood requirements due to rain events the overtopping requirements shall be met during the 10-day snow melt as defined in the MnDOT Drainage Manual.

2. Storm events and flood frequency shall be as defined in the current MnDOT drainage manual.
3. Where no culverts exist, water shall infiltrate, leaving no standing water in ditches within 48-hours following any rain event.
4. The Developer through the Developers Agreement shall be responsible for all ditch maintenance until the roadway is adopted and taken over by the Township.
5. Homeowners shall assume all maintenance and liability for erosion control and turf establishment within public right of way adjacent to their property after the developer's commitment has been met.