

# Design Advisory

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*This advisory is superseded by any subsequent revisions to the references listed in this index.*

Questions regarding this Design Advisory should be directed to:

For: Hydraulics Design  
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## GEOPAK Drainage

This is to advise all designers the design software, GEOPAK Drainage, is approved for use to design enclosed stormwater systems and ditch capacity analysis. This software is a part of the traditional GOEPAK suite of software and has been customized to meet MDOT drainage standards through the MDOT\_02 Workspace only.

The GEOPAK Drainage File (.gdf) must be submitted as part of the Drainage Study. "MDOT Drainage Tabulation Sheets" can be automatically generated through the MDOT\_02 Workspace tools and may be submitted along with the electronic files.

The MDOT Drainage Manual will soon be updated to reflect these changes.

There are certain conditions in which GEOPAK Drainage is not approved for use. These are:

1. Culvert analysis
2. Watershed analysis using the SCS Method (drainage areas greater than 20 acres).
3. Combining ditch (open) and storm sewer (closed) conduits in one network.

Refer to the MDOT Drainage Manual for design practices and/or software for these conditions.

Special care should be used when storm sewers are found to be either in supercritical or pressure flow. Refer to Chapter 7 in the MDOT Drainage Manual or contact the MDOT Hydraulics resource listed above in the left column.

Please refer to the following link for self-paced GEOPAK Drainage training materials ([Engineering Support Services Announcements](#)).