

Maine Department of Transportation

Highway Program

Design Guidance

Title: Catch Basin Placement	Issue Date: October, 1, 2013
Discipline: Highway Engineering	
Originator: Bradford Foley, P.E. Heath E. Cowan, P.E, Andy MacDonald, P.E., Atlee Mousseau, P.E.	Revised Date: January 17, 2019
Approved By: Joyce Taylor, P.E., Chief Engineer	

Background:

During some design checks of allowable spread, it was found that the Department's standard catch basin spacing of 300' could be increased, some basins removed, underdrain pipe sizes minimized and project costs reduced. It is understood that the spacing requirement was developed for clean out purposes.

Also, it was discovered that flanking basins were used inconsistently.

Guidance:

This Guidance will outline the Department's direction regarding the spacing of basins and the use of flanking basins.

1. Basin Spacing - The spacing of basins shall be based on a pavement drainage analysis and an understanding of any maintenance concerns in the area. This policy statement will serve to replace any previous reference to the 300 foot spacing.
2. Flanking Basins - Flanking basins shall be used where catch basins will be the only outlet for storm water. A determination based on sound engineering judgment that an overflow path exists may eliminate the need for these basins.