

CHAPTER 3

STORM DRAINAGE SYSTEMS

3.6 Combination Inlets

3.6.1 On Grade

On a continuous grade, the capacity of an unclogged combination inlet with the curb opening located adjacent to the grate is approximately equal to the capacity of the grate inlet alone. Thus capacity is computed by neglecting the curb opening inlet and the design procedures should be followed based on the use of Figures 3.4.2-1, 3.4.2-2 and 3.4.2-3.

3.6.2 In Sump

All debris carried by stormwater runoff that is not intercepted by upstream inlets will be concentrated at the inlet located at the low point, or sump. Because this will increase the probability of clogging for grated inlets, it is generally appropriate to estimate the capacity of a combination inlet at a sump by neglecting the grate inlet capacity. Assuming complete clogging of the grate, Figures 3.5.2-1, 3.5.2-2, and 3.5.2-3 for curb-opening inlets should be used for design.

END OF SECTION 3.6