

Appendix 9A-1 Definitions and Abbreviations

Definitions:

Check Storm	The use of a less frequent event, such as a 50-year storm, to assess hazards at critical locations where water can pond to appreciable depths is commonly referred to as a check storm or check event.
Hydraulic Grade Line	The elevation to which the water can be expected to rise within a storm drain (pressure head +elevation head)
Spread	The width of flow measured laterally from the flowline. With a curbed only section of roadway, the flowline is formed by the intersection of the pavement to the curb. With a curb and gutter section, it is the intersection of the gutter pan and the curb.
Storm Drain	A storm drain system is a drainage system installed to carry stormwater runoff, consisting of two or more pipes in a series connected by one or more drop inlets. An exception to this general rule is: one or more cross drain pipes connected by one or more drop inlets, “hydraulically designed” to function as a culvert(s) and not connected to a storm drain system.
Velocity Head	A quantity of energy head proportional to kinetic energy of flowing water.

Abbreviations:

FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
NRCS	National Resources Conservation Service
VDOT	Virginia Department of Transportation