



1.2 Addressing Stormwater Impacts

The focus of the Knox County stormwater management program is effective and comprehensive *stormwater management*. Stormwater management involves both the prevention and mitigation of stormwater runoff quantity and quality impacts as described in this chapter through a variety of methods and mechanisms.

Volume 2 of this manual provides requirements, policies, and guidance for developers in Knox County to effectively implement stormwater management controls on-site to address the potential impacts of new development and redevelopment, and both prevent and mitigate problems associated with stormwater runoff. This is accomplished by:

- Developing land in a way that minimizes its impact on a watershed, and reduces both the amount of runoff and pollutants generated;
- Using the most current and effective erosion and sedimentation control practices during the *construction* phase of development;
- Controlling stormwater runoff peaks, volumes and velocities to prevent both downstream flooding and streambank channel erosion;
- Treating *post-construction* stormwater runoff before it is discharged to a waterway;
- Implementing pollution prevention practices to prevent stormwater from becoming contaminated in the first place.

The remainder of Chapter 1 outlines the minimum stormwater management standards that Knox County uses to guide the requirements, policies and incentives of the stormwater management program.