

307 GEOCOMPOSITE EDGE DRAIN

Today's pavement design may include the use of a geocomposite edge drain. An edge drain system is a very efficient way to remove water trapped in the aggregate base and/or subbase. The Project Plans and Standard Specifications are very clear concerning the installation of an edge drain system.

307-3 Construction Requirements

307-3.04 Construction Method

Detailed installation instructions should be available from the manufacturer or local supplier. The Resident Engineer should obtain this information and review it before construction begins.

A critical component of the edge drain system is the outlet pipes. All outlet pipes should have:

- Soil-tight joints
- Positive grade for proper drainage
- Resistance to deformation from installation and construction loading

If the edge drain is damaged or torn, it can be repaired by taping over small areas or by placing a geotextile material over larger areas and then taping. Waterproof tape must be used, and a patch must have a 4-inch overlap. All patches must provide a watertight seal.