SCDOT
South Carolina
Department of Transportation

March 27, 2000

INSTRUCTIONAL BULLETIN NO. 2000-1

SUBJECT: Drainage Layout for Storm Sewer Design
EFFECTIVE DATE: April 1, 2000
SUPERSEDES: None
RE: None

Superseded by 2002-3

Effective April 1, 2000, Hydraulic Engineering Office and the on-call Consultants will start using Geopak Drainage software to perform the storm sewer design. Due to the new automation functions of the software, drafting and calculation procedures are revised as following:

- The 'view only' access will be provided to the Hydraulic Engineering Office in order to share files over the network. Design Groups will copy necessary files to the ftp server for on-call Consultants.
- Design information for pipes and drainage boxes will be stored in a '.gdf' file created by the Hydraulic Engineering Office or on-call Consultants. Road Design will use Geopak Drainage tools to automate the drafting. The current process of merging graphics will be eliminated.
- Pipes lengths will be automatically calculated along the pipe slope from center of box to center of box. The individual pipe length will be accurate to the nearest foot. The total pipe quantity will be rounded up to the nearest length divisible by four.
- Drainage design changes, such as extending pipes and moving boxes, can only be made by the Hydraulic Engineering Office. Drainage notes can be updated automatically for most of the design changes. In lieu of using Microstation, both the Hydraulic Engineering Office and Road Design must use Geopak Drainage to make all drainage design changes.
- A special note will be inserted to the general construction note sheet:

  "Pipe lengths that are shown on the plans are actual lengths calculated along the pipe slope from center of box to center of box. Field adjustments of the actual pipe lengths may be necessary."

Approved: _____
E. S. Eargle
Road Design Engineer

ESE:adf

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