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A cooperative effort between the North Carolina Sedimentation Control Commission, the North Carolina Department of Environment and Natural Resources, and the North Carolina Agricultural Extension Service.

Erosion and Sediment Control Planning and Design Manual

Disclaimer

The contents of this publication were prepared by the authors and should not be interpreted as necessarily representing the policies or recommendations of other referenced agencies or organizations. Additional information from professionals, agencies, organizations and institutions with expertise in a particular area may be useful in selecting, designing, and installing certain practices.

The mention of trade names, products or companies does not constitute an endorsement.

This manual is intended for periodic update. Therefore sections of the manual may be changed as practices for erosion and sedimentation control evolve.

Preface

Thousands of acres of land are exposed each year in North Carolina for the construction of subdivisions, shopping centers, office centers, highways and other developments. Without protective measures these exposed areas are vulnerable to accelerated erosion and sedimentation that damages adjoining properties, streams and other water resources of the state.

The North Carolina Sedimentation Pollution Control Act of 1973 established a statewide program to control soil erosion and sedimentation. The law covers all land-disturbing activities in North Carolina, except those involving agriculture, forestry and mining.

The Act sets basic performance standards backed by rules and regulations. The law and the rules do not specify a rigid set of practices. Rather, they require the land developer to prepare an erosion and sedimentation control plan and employ appropriate measures to meet the performance standards.

As part of the educational requirements of the Act, the Commission is pleased to have sponsored the development of this manual. The manual is a basic reference for the preparation of a comprehensive erosion and sedimentation control plan and for the design, construction and maintenance of individual practices. It is intended to help land developers comply with the Act.

This manual is the "state of the art" and provides useful information for the implementation of a sound erosion control program that can be tailored to specific site conditions. The Commission will continue to support education and training to ensure sound and economical sedimentation control procedures to protect the streams, lakes, and estuaries of the state.

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