



STORMWATER ENGINEERING



FEATURED PROJECT

SURFSIDE BEACH - MELODY BASIN

EARTHWORKS was retained by the Town of Surfside Beach to identify existing drainage problem areas, to select the most vulnerable area first, and prepare hydraulic models to simulate current and proposed drainage conditions.

Based on letters and photos received from town residents, the Melody Basin watershed was selected as the first project, encompassing over 800 acres of property. An intergovernmental cost-sharing agreement was negotiated with Horry County and the proposed improvements were completed at a cost of \$933K.

The project was given a significant test during Hurricane Floyd, which dropped over 14 inches of rain in the watershed with no significant in-home flooding reported. EARTHWORKS has since completed two additional watershed projects for the Town of Surfside Beach, with over \$3M in total costs.

EARTHWORKS' Stormwater Services

Stormwater management is a constantly evolving field, with ever changing regulations and emerging technology. Projects such as water quality treatment, prevention and flood control continue to also challenge developers and local governments. The EARTHWORKS Group, Inc. remains on the forefront of Best Management Practices (BMP) to provide cutting edge designs for our clients. Our services range from commercial stormwater management systems to stormwater master plans and regional watershed studies. We provide these services to cities, counties, as well as private landowners and developers.

We use our expertise in municipal drainage systems to design new systems focused on:

- Providing Best Management Practices (BMP's) for each new project
- Reducing flooding during minor and major events
- Providing water quality improvements

Each development has its own set of special circumstances which need to be addressed on an individual basis. There are no routine, easy fixes, but rather an integrated solution specially designed and tailored to meet your project needs.

Services Available:

- Stormwater Management Master Plans
- Drainage Basin Studies
- Hydraulic/Hydrologic Modeling
- FEMA Permitting and Mapping
- Drainage Retrofit Improvements
- Capital Improvement Programs
- Systems Design and Permitting
- Construction Administration Services
- Grant Applications
- Stormwater Management Utilities
- Public Presentations/Participation
- Stormwater Pollution Prevention Plans

