

# SEA COLONY - OCEAN FRONT CONDOMINIUM TOWERS



PARKING AREA WITH  
LONG-TERM FLOODING  
PROBLEMS

PRE-EXISTING STORMWATER  
MANAGEMENT FACILITY

DITCH IMPROVEMENTS



Owner:

Sea Colony Home Owner's Association  
Ron Wickwire

## INDIVIDUAL EXPERIENCE FOR:

Kenneth R. Christenbury, P.E. & E. Scott Wallis, P.L.S., 2004-2005

The Sea Colony towers were constructed in the 1970's, and experienced problems with aged and failing drainage infrastructure, leading to frequent flooding on the northern parking lot. Mr. Wallis completed a comprehensive utility location survey for the project, coordinated with aerial photogrammetric mapping, resulting in a complete topographic and utility location survey. Mr. Christenbury investigated the feasibility of multiple solutions, including infiltration, permeable pavement, expansion of existing stormwater management facilities, etc. Upon completion of the feasibility review, it was determined that the existing road-side swale along Pennsylvania Avenue had been inadequately maintained, and that the years of neglect were the root cause of the internal problems being experienced by the residents of Sea Colony. Mr. Christenbury coordinated with the Delaware Department of Transportation for a privately funded re-construction of the swale and entrance pipes. The improvements installed provided a cost-effective solution for a long-term problem.