



Coastal Land Design, PLLC

Civil Engineering/Landscape Architecture

Town of Cape Carteret Stormwater Design

Client:

Town of Cape Carteret
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Cape Carteret, NC 28584
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Began: Jan. 2011 Completed: Feb. 2012

The Town of Cape Carteret has employed Coastal Land Design PLLC (CLD) to prepare studies and plans for the renovation of the Town Government Center. The project consists of several buildings that are included and adjacent to a commercial center located on NC Hwy 24. The project scope required a review of the traffic patterns of both the governmental buildings and affected commercial businesses in order to design a parking/circulation plan.

The proposed site modifications include additional paving and renovation of existing parking areas. The existing facilities were constructed without stormwater measures and experiences flooding problems during extreme storm events. The proposed work requires incorporating stormwater devices required by both NCDENR and the Town.

At present, CLD is preparing a bioretention system for the main parking facility and smaller "rain gardens" within parking islands of the commercial parking areas.

In addition to the above scope of work, the CLD has assisted the Town with securing a grant from the NC Soil and Water Conservation Division for two (2) rainwater harvesting cisterns with associated distribution systems. One of the systems will provide wash water for the governmental vehicles and the other will provide area landscape irrigation.

