



Coastal Land Design, PLLC

Civil Engineering/Landscape Architecture

Port City Community Church

Client:

Port City Community Church
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Wilmington, NC 28403
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Began: Feb. 2006 *Completed: In Progress*

The Port City Community Church (PC3) is a 95,000sf structure with 588 parking spaces on a 32 acre campus in the heart of Wilmington NC. Coastal Land Design was with the church at their very beginnings and handled all planning, designing, engineering, construction administration and certifications for what is now one of the largest churches in this area.



The main church and parking areas were completed in 2008 and has been well received by the community. As a result of the surge in attendance, additional parking was deemed necessary. In an effort to continue their positive contributions to the community and to be responsible stewards of their campus, the PC3 leadership elected to develop a “green” parking area that will serve both vehicular storage and open multi-purpose turf areas. Coastal Land Design has completed the design and permitting of the additional 457 “green” parking spaces and anticipates construction beginning shortly.

The overflow parking facility is designed such that it can be used as a recreational field when not in use as a parking lot. The duality of the facility will maintain the openness of the campus while providing an area for passive and active uses. Sod will be placed over-top of the interlocking recycled grass pavers to allow adequate surface for recreational play, as well as vehicular parking. Parking lanes will be indicated by removable posts that can be set into place when the parking lot is in demand.

In addition to the uses, the grass paving concept will reduce the environmental impacts associated with traditional impervious pavements. The proposed paving system will allow for a 60% reduction in the impervious coverage, reduce the surface runoff, eliminate subsurface conveyance systems, abate the pollutant loading produced by vehicular storage areas and reduce the runoff temperature entering the adjacent systems.

Coastal Land Design has been at the forefront of innovative, low impact development and this “green” overflow parking/recreation facility has been chosen by local and state agencies as an example of desired growth.

