

Spring Creek Ranch Planned Development Shelby County, Tennessee



FISHER ARNOLD

PROJECT EXPERIENCE

Fisher Arnold was responsible for all site engineering design associated with the 316+ acre Areas B, C, D, E & F of Spring Creek Ranch P.D. Spring Creek Ranch is a high-end residential development centered around a championship golf course, with preservation of natural resources a primary goal of all development design.

Spring Creek consists of natural streams, rolling hills, groupings of mature trees and other natural resources. In order to maximize the preservation of these natural resources, utilization of the existing natural drainage swales and ditches have been utilized. The residential development is being design to maintain a rural character and has required the implementation of creative storm water management facilities in order to utilize the natural drainage systems without impacting them with the increase storm water runoff.

Fisher Arnold has designed a complex drainage system that combines the utilization of the natural drainage features and underground drainage infrastructure improvements. Existing ponds and proposed lakes have been utilized to maximize storm water retention within the development, as well as the establishment of common areas retaining their natural setting. Pervious improvements have been minimized as much as possible. In controlling the storm water runoff and protecting the quality of the receiving waters, both structural and non-structural BMPs have been designed and implemented.

