



[Stuarts Crossing Spotsylvania County, Virginia](#)

ATCS provided civil engineering services consisting of improvements to the intersection of the existing Gordon Road (Rte. 627), a secondary collector road with approximately 5,000-ADT (average daily traffic) and Browns Farm Street. The design included the widening of the intersection to provide left and right turn lanes to Browns Farm Street, and realignment and reconstruction of 2,600-lf of Browns Farm Street, which is a two-lane ditch section of roadway. Additional services included: utility relocations, a Con-Span bridge over Lloyd's Branch, and the design of a storm water management pond. All services were provided based on VDOT criteria and standards.

The second phase of the project has consisted of the preparation of construction plans for the development of roads; storm water management; the incorporation of major utilities; and coordination with geotechnical engineers for the locations of drain fields. An overall computerized water model was completed in order to optimize the waterline. Section One: included 58 single family lots, and recreational amenities on a 108-acre parcel. Section Two: included 47 single family lots on 22-acres, and Section Three: 9 single family lots on 32-acres.