



Christian Farm Estates New Boston, New Hampshire

Client: Town of New Boston
Location: NH Route 136
Developer: Douglas Hill Construction, LLC
Contractor: D & S Excavating, Inc.
Status: Under Construction (2007)



On behalf of the Town of New Boston Planning Board, Northpoint Engineering performed technical review of the design plans during the local approval process. This review was performed to verify compliance with local regulations and generally accepted engineering practices. In the summer of 2007 when the project proceeded to construction, Northpoint commenced construction monitoring and administration services on behalf of the Town to verify the proposed infrastructure improvements were constructed to the approved plans.



The proposed 24-lot single-family subdivision is accessed from Christian Farm Drive, a 2,900 linear foot cul-de-sac off of NH Route 136. During construction, Northpoint collaborated with the contractor, design engineer and the NHDOT District Engineer to process a field change allowing for a traditional earth slope rather than a retaining wall to facilitate sight distance at the intersection with Route 136. The contractor proposed a Recon precast block retaining wall at the wetland crossing. Northpoint facilitated a design review of the submitted plans by a geotechnical engineer to verify suitability of the design and coordinated geotechnical testing throughout the wall construction. Northpoint also collaborated with the design engineer, contractor, and Fire Wards to perform technical review of the proposed 30,000 gallon Xerxes fire cistern. Throughout construction Northpoint communicated with the Planning Department, Road Agent, and Fire Department to assure that all parties were aware of the project progress.



Infrastructure improvements associated with the roadway included: underdrain, open drainage systems, three stormwater management basins, wetland crossing with retaining walls and guardrail, underground utilities, and a 30,000 gallon fire cistern. Construction was completed thru the binder course of pavement in 2007 and Northpoint will be working with the contractor to identify outstanding items that need to be completed.