

TRITECH CIVIL ENVIRONMENTAL, PC

GIS/GPS Mapping

*Planning, Engineering, &
Surveying*



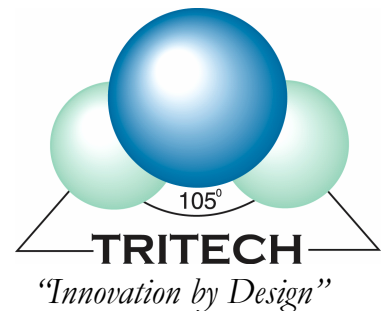
**TRITECH CIVIL
ENVIRONMENTAL, PC**

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**Topcon HiPer Lite Plus Real
Time GPS Rover
Randleman Dam
Randolph Co., North Carolina**

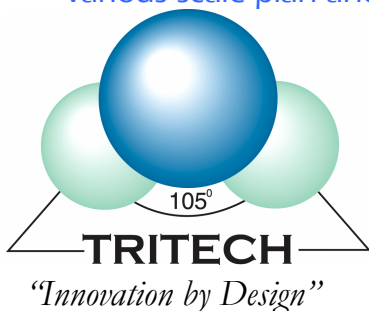


TRITECH CIVIL ENVIRONMENTAL, PC

Surveying/Mapping Capabilities

Planning, Engineering, & Surveying

Tritech performs a variety of field surveys such as ALTA, topographic, location, profile, and many others for all of our engineering facility and utility design projects. Tritech routinely provides construction phase staking for these and other engineering projects. Michael Stout, PLS is responsible for all easement, property, annexation, route and utility location, topographic surveys, and GPS/GIS mapping efforts. He has practiced land surveying and related technical services since 1977 and has been a professional land surveyor since 1991. Horizontal and vertical controls are established by traditional or GPS methods using USGS or other published data. Survey accuracy is typically established by control loops or ties at each end of project alignments. Tritech utilizes Topcon 213/303 and robotic/reflectorless total stations and HiPer Lite Plus Real Time GPS Systems with Maptech, SMI, XYZWorks, or Carlson data collector software. Field point files are electronically transferred to computer work stations as an ASCII file. After the file is checked, it is transferred into an AutoCad drawing using Eagle Point software. Eagle Point's various modules (e.g. COGO, surface modeling, profiles, and drafting) are used to create base plan and profile drawings. Eagle Point, as other AutoCad complimentary packages, is used to create model and paper space views for various scale plan and profile drawings. Tritech routinely prepares easement and boundary maps for property sale or record purposes.



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