

Land Surveying Services



APD provides many types of surveying to include: Boundary & Topographic Survey, ALTA NSPS Land Title Survey, DOT Highway Survey, Subdivision Survey, Utility Survey, Construction Layout survey, As-built Survey, Instrument Survey, Easements Descriptions & Maps, New Parcel Description & Maps, Building Scanning Services, ADA Compliance Survey, FEMA Elevation Certificates and LOMA's, Earthwork and Material Pile Survey, Title Work, Pictometry Services, and Drone Surveying.

Our Survey Team is headed by David J. LaRue, a 2nd generation Licensed Land Surveyor who started his career at the early age of 14. During summers he was a rodman, working his way through all aspects of field and office surveying throughout his career. Since 2008, he has been involved with the complex issues of FEMA Floodplains and regulations and is one of a handful of ASFPM Certified Floodplain Managers that work in private practice in NYS. Mr. LaRue can perform projects from the initial survey through to site design.

APD Engineering & Architecture excels at providing multidisciplinary design and engineering solutions to the private and public sectors that includes Architectural, Civil, Structural and MEP Engineering services, as well as Land Surveying and FEMA Floodplain Management services.

STATE-OF-THE-ART EQUIPMENT *in the Field and the Office*



Spectra Geospatial Focus 35

This fully robotic motorized solution provides improved speed, accuracy and precision. A robotic instrument moves the power of the observer from the instrument to the range pole improving the quality of our work.



Ranger™ Data Collector

The third generation Ranger™ Data Collector offers a large bright touch-screen, full alpha-numeric, easy to operate, keypad, packed with features. Used to collect survey points in conjunction with the Focus 35 Robotic TS or SP60 RTK GNSS.



Phantom Pro 4 Pro Drone 18MP

Equipped with a 1-inch 20-mega pixel sensor capable of shooting 4K/60fps video and Burst Mode stills at 14 fps. Used in conjunction with Carlson software for 2D/3D imagery and Point cloud generation for contour maps.



SP60 GNSS Receiver

The Spectra Geospatial SP60 is a new generation GNSS receiver offering sophisticated RTK and Trimble RTX™ capable solutions and provides the most reliable measurements and the highest possible accuracy under any conditions anywhere in the world.



Survey Pro

Survey Pro field software provides you with a complete set of capabilities for all your survey projects. It's fast, reliable and easy to use. Used in conjunction with Focus 35 Robotic TS or SP60 RTK GNSS for all survey field work.



ZIlevel® Pro-2000 Altimeter

No more rods, tripods, sensors, line-of-sight, error with distance, factory calibration and tedious computations.

Additional Field Equipment

APD also utilizes the *HoundDog Magnetic Locator* which we use to identify hard to find survey markers.

Software

The cutting edge software used by APD supports both our field and office land survey work. The software we utilize assists us with geomatic computations, basemapping, volumes of earthwork, hydrology reports, as-built analysis, and construction layout. This software includes:

Spectra Survey Pro MAX data collection software, Spectra Geospatial Central, Carlson Survey Software, Carlson Precision 3D Topo Software, Carlson Hydrology, Drone Deploy Software (Processing), Drone Deploy Software (Flight), Global Mapper, and Pictometry.

Connect With Us

We are a national firm who empowers our team to provide innovative solutions resulting in enduring relationships. Let APD put its experience to work for you as you prepare to design and build your next project.