

Land Survey Services



Landmark Science & Engineering's highly-skilled, safety award-winning Survey Department staff, including Professional Land Surveyor (registered in DE and MD), CAD/Technician, Field Crews, and GIS map specialist, will provide the follow services:

- Topographic and Perimeter Surveys
- Wetlands and Flood Study Surveys
- Construction Layout and As-Built Surveys
- Right-of-Way Acquisition and Easement Plans
- Checking Plans and Field Notes for Accuracy
- Deed Research and Boundary Information
- Correlation of Data for Aerial Photography
- ALTA Surveys
- Utility and Linear Route Surveys
- FEMA Elevation/Flood Certifications
- Interior, Architectural Building Surveys

The staff is outfitted with state-of-the-art survey equipment, uniting top Global Positioning Systems (GPS) and Real-Time Kinematics (RTK) technology with powerful electronic data management for the most efficient and accurate surveys.

Geographic information systems (GIS) data is used for the display and management of spatial data including survey and design data, scientific findings and historical records, for successful and cost-effective project management.

Survey Hardware:

- Leica GPS Surveying Systems: 1200 and 6514 (GPS/RTK)
- Leica Robotic Reflectorless Total Station (TCRP 1203)
- Topcon Robot Total Station (QS Series)
- Leica Electronic Total Station (TCR 805)
- Pentax PTS-5 Level and Pentax AFL-320 Auto Level

Survey Software:

- AutoCAD Civil 3D
- Carlson CE – Data Collector Software
- AutoCAD Field Survey (Carlson Survey)
- ESRI ArcGIS v. 10.2.2

Deliverables: In addition to paper prints, signed and sealed by a Professional Engineer or Land Surveyor, the engineering, survey, and geographic information data produced can be saved electronically as “.dwg,” “.dwf,” and “.dxf” file formats, as requested, and transmitted electronically via our FTP or on CD-ROM for use on AutoCAD Civil 3D or other CAD systems. Prints can also be provided as “.pdf” or “.tiff” images.

The Survey Department staff consists of office and field personnel. All field survey and environmental staff have OSHA 40-hour HAZWOPER training certification. Crew members have TWIK, Amtrak and other orientation and safety certifications. We are proud of their safe work record, having been consistently recognized with corporate Contractor Safety Excellence Awards!



Leica Robotic TCRP 1203 Reflectorless Total Station



Construction Layout with Robotics and GPS



Stream Restoration



Interior Surveys



Safety First Record