



Professional Land Surveying and Mapping Services

Experts in the Field

Patterson & Dewar Engineers, Inc. (P&D) assists owners, developers, designers, contractors, and project managers with a diverse suite of land surveying and mapping services, including:

- **Land Surveys**
Boundary • Topographic • Route (Utility and Transportation) • Construction Layout and Site Control • Record/As-Built • Geodetic • Deformation • Aerial Photo and LiDAR Control • GPS (Static and RTK)
- **GIS Mapping**
- **FEMA Elevation Certificates**
- **Letters of Map Amendment / Revision (L.O.M.A., L.O.M.R.)**

Our Experience

For more than 60 years, we have offered land surveying services to:

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| ● Electric Utilities | ● Alternative Energy |
| ● City and County Agencies | ● Water & Waste Water Services |
| ● Airlines and Airports | ● Transportation Authorities |
| ● AEC Firms | ● Developers |
| ● Public Works Departments | ● Property Owners |
| ● Environmental Firms & Agencies | ● Title Companies & Attorneys |

Our office and field teams share an average of 12 years working together, leveraging each other's experience to streamline processes and improve efficiency. Our staff includes a Certified Floodplain Surveyor (CFS), and registered Professional Land Surveyors with an average of 30 years industry experience.

P&D is licensed in several states including Alabama, Florida, Georgia, North Carolina, South Carolina, and Tennessee, and is prequalified with the Departments of Transportation in Georgia (GDOT), Alabama (ALDOT), and North Carolina (NCDOT).

We Look Up, Too

We specialize in linear route surveys of utility transmission and distribution lines. Our unique expertise allows us to correctly locate and identify additional detail that traditional surveyors may not, such as conductor sizes, voltage levels, pole and structure types, guy wires and anchors, pole-mounted equipment and appurtenances (street lights, transformers, etc.), underbuilds, 3rd party attachments (cable, phone, fiber optic, etc.), attachment heights, and mid-span and lowest overhead clearances.



Representative Projects

Our experienced team delivers consistent results for projects large and small to both public and private sector clients, many of whom have depended on us for decades.

Hartsfield-Jackson Atlanta International Airport®

For more than 50 years, P&D has provided land surveying and mapping services at Hartsfield-Jackson, the busiest passenger and operations airport in the world. In the 1960's, we created the first Atlanta airport grid network coordinate system, and provided boundary and topographic surveys for various projects including the Eastern Airlines cargo area and the Ford Motor Company assembly plant. We also conducted runway conflict surveys identifying the locations of glide angles needed for aircraft approach and takeoff. Over the next several decades we surveyed numerous projects including fuel farms, the Atlanta Airport Marriott site, Delta Airlines jet base areas, water and sewer locations, and the Southpoint Industrial site. Recent projects include 5th runway addition, Delta jetway expansion (Concourses A, B, C & D), Concourse D midpoint expansion, various fire stations, the new International terminal, and the Delta fuel farm expansion. We are very proud that Hartsfield-Jackson continues to rely on P&D for quality land surveying and mapping services.

Georgia Power, a Southern Company

For more than 60 years, P&D has offered a wide range of services to Georgia Power, such as transmission line surveys that include all topographic features, and as-built surveys that provide detailed information on existing transmission lines and substations. We conduct boundary and topographic surveys for acquiring rights-of-way for transmission lines, and to re-establish existing rights-of-way. Notable projects include Plant Vogtle and Plant Hatch nuclear plants, Wallace Dam and Rocky Mountain hydroelectric plants, and thousands of miles of route and right-of-way surveys.

Birmingham Water Works Board (BWVB)

BWVB serves more than 600,000 residents and is the major water supplier for the City of Birmingham, Alabama and the greater Jefferson County area. BWVB relies on P&D for land surveying services including detailed topographic, control, linear route, and right-of-way surveys.

Municipal Electric Power Authority of Georgia (MEAG)

Over the past 30 years, MEAG has depended on P&D for land surveying and mapping services on dozens of projects. We provide topographic surveys to obtain existing conditions at legacy substation sites, conduct as-built and construction staking surveys for transmission line relocations, and perform transmission line route surveys spanning multiple counties in rural Georgia.

About P&D

Established in 1947, P&D is an employee-owned firm that specializes in designing and evaluating vital power delivery infrastructures. We are a cohesive team of talented professionals united by a common vision – we approach each project with an unyielding commitment to excellence and integrity. These guiding principles, upon which we built our reputation, continue to make P&D a valued partner to the clients we proudly serve.



Engineering



Testing & Commissioning



Land Surveying & Mapping



Construction Management

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