

# SURVEY SERVICES OVERVIEW



Entellus' Survey Department utilizes state-of-the-art equipment to provide all types of survey services. We also have the capability to provide topographic mapping in MicroStation or AutoCAD-ready platforms and three-dimensional surface models formatted for Inroads or Civil 3D. Our range of services includes the following:

- Control Surveys
- Topographic Surveys
- Boundary Surveys
- Route Right-Of-Way/ Surveys
- Hydrological Study Surveys
- Photogrammetry Control Surveys
- ALTA/ACSM Surveys
- Construction Staking
- As-Built Surveys



Entellus' Survey Department can also integrate survey data into a GIS platform, providing our clients with a value-added product to include in their future GIS system. Our staff includes multi-state registrants familiar with local and federal rules, laws, and standards governing the survey profession, and Certified Survey Technicians (CST) with post-secondary education in survey related studies. They provide experience and knowledge in the following areas:

- ✓ Requirements for legal descriptions pertaining to municipal right-of-way and easement acquisition and annexation documents
- ✓ Equipment and methodology to perform accurate column control and as-built surveys
- ✓ Use of Global Positioning System (GPS) and robotic total station equipment to increase productivity and efficiency
- ✓ Seamless data conversion from field to drawing
- ✓ Timely response to on-call survey requests
- ✓ Coordination with design professionals, owners, clients, and on-site construction personnel
- ✓ Efficient and cost-effective staking procedures utilizing modern equipment and software platforms

## REPRESENTATIVE PROJECTS:

- ◀ ADOT, Loop 202 HOV Lanes – Soundwall Survey
- ◀ APS, Evans-Churchill Substation
- ◀ City of Avondale, Annexation Services
- ◀ City of Chandler, Gilbert Road Improvements
- ◀ City of El Mirage, Dysart Road & Thunderbird Road Improvements
- ◀ City of Mesa, Dobson Road & Guadalupe Road Intersection Improvements
- ◀ City of Peoria, Westbrook Village Verdict Implementation
- ◀ City of Phoenix, Camelback Core Waterline & Booster Pump Station
- ◀ City of Phoenix, 32nd Street Improvements
- ◀ City of Scottsdale, Scottsdale Road Streetscape Improvements
- ◀ ConocoPhillips, Wingate Plant Rail Yard; Gallup, NM
- ◀ FCDMC, Palo Verde Watershed Floodplain
- ◀ FCDMC, Whittmann Area Drainage Master Plan
- ◀ Luke Air Force Base, Runway 3L-21R Repaving
- ◀ Pulte Homes, Anthem Sun Valley Development
- ◀ SRP, Navajo Generating Station Cooling Pond 35-6; Page, AZ
- ◀ Town of Gilbert, Greenfield Road & Chandler Heights Road Improvements
- ◀ Yuma County, Gila Valley Floodplain & Floodway Delineation

# ENTELLUS PHILOSOPHY AND APPROACH

Field services are where ideas and visions become reality. This is when and where the majority of project budgets are spent. Getting it right from the beginning is critical. A boundary and topographic survey must accurately depict the existing conditions at the site. Every decision project owners and designers make during the design process will be based on information presented from the initial surveys of the site. Later, construction stake-out surveys must reflect the intent of the designs while being coordinated with the reality of the construction environment. Close coordination with on-site contractors and their specific means and methods is critical. Finally, regulatory agencies require accurate record drawings that depict precisely where and how infrastructure was constructed. Our survey personnel will collect this critical information in a timely manner.

Entellus offers our clients a complete range of civil engineering services from design through inspection. We are experienced in the unique dynamic of maximizing the end user's satisfaction while keeping a strong focus on our clients' objective of minimizing costs and time to market.

We accomplish this by focusing on three principals:

- ◀ We communicate with the appropriate agencies and ultimate facility owners early in the project. Then we maintain that critical line of communication with key stakeholders.
- ◀ We communicate with the client. We do this often, openly, and with proactive suggestions.
- ◀ We assign Key Personnel with significant experience to provide services to our clients.



## ENTELLUS CORE PURPOSE:

To provide solutions that have a positive impact on our community, the world and the way in which people live, work and play.



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### OTHER TECHNICAL SERVICES:

**Hydrology & Surface Water**

**Water/Wastewater Services**

**Transportation Services**

**Development Services**

**Airport Services**

**GIS**