

PROFESSIONAL LAND SURVEYING



SERVICES

ALTA/ACSM Land Title Surveys
Boundary and Topographic Surveys
Construction Staking
Design Surveys
Legal Descriptions and Exhibits
Locating and Setting Property Pins

The Survey Department has been an integral part of EEC since 1996. In addition to the Survey Manager, the department is comprised of fully equipped survey crews, a crew manager, and survey technicians.

EEC has completed numerous ALTA/ACSM surveys, ranging from 20' by 20' parcels for wireless communications to a 6,000-acre parcel for proposed residential and commercial development.

We have surveyed hundreds of parcels of land in Southern Arizona, and we are well-versed in researching public records, monument records, and reading and interpreting legal descriptions. Our Survey Department has prepared hundreds of legal descriptions, from leases for telecommunication sites to strip easements for public utilities.

EEC has completed a wide variety of construction surveying for mass grading, rough cut, sewer, water, dry utilities, curb and retaining walls. We also provide bluetopping of both subgrade and AB along with the staking of new survey monuments.



ENGINEERING AND ENVIRONMENTAL CONSULTANTS, INC.

PROFESSIONAL LAND SURVEYING

ALTA/ACSM Land Title Surveys



SERVICES

Parcels
Developments
Research
Data Collection

EEC has completed numerous ALTA/ACSM surveys in Arizona. These surveys range from 20' by 20' parcels for wireless communications, to a 6,000 acre parcel for proposed residential and commercial development. Our survey team uses a variety of GIS and public record websites to research descriptions and easements affecting subject properties. When necessary, title companies are contracted to provide additional legal information. These steps ensure our clients that their bona fide right of ownership is well protected and represented. Final drawings and documents are prepared digitally according to the latest ALTA/ACSM standards for accuracy with attention to special requests by the client.



ENGINEERING AND ENVIRONMENTAL CONSULTANTS, INC.

PROFESSIONAL LAND SURVEYING

Boundary and Topographic Surveys



SERVICES

Monumentation

Recording

Easements

Research

EEC has surveyed hundreds of parcels of land in Southern Arizona, and is well-versed in researching public records, monument records, and reading and interpreting legal descriptions. EEC follows the State Board of Technical Registration Standards, providing research, accuracy, monumentation, and recording. If a project requires topographic mapping on the ground, EEC uses a Total Station and Data Collector or GPS unit. The crew gathers information and downloads it into our computer system, and after analyzing the data, we prepare DTM files and a contour map showing contours, spot elevations, ties to existing monuments, and existing right-of-way lines.



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PROFESSIONAL LAND SURVEYING

Construction Staking



SERVICES

Construction Layout

Bluetopping

Monument Staking

As-Builts

Building Layout

EEC has completed a wide variety of construction surveying. We provide construction layout for mass grading, rough cut, sewer, water, dry utilities, curb and retaining walls. We also provide bluetopping of both subgrade and AB along with the staking of new survey monuments. After the project is complete, as-builts are prepared to assist in release of assurances.



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PROFESSIONAL LAND SURVEYING

Design Surveys



SERVICES

Topographic Surveys

Easements

Boundaries

Contours

Utilities

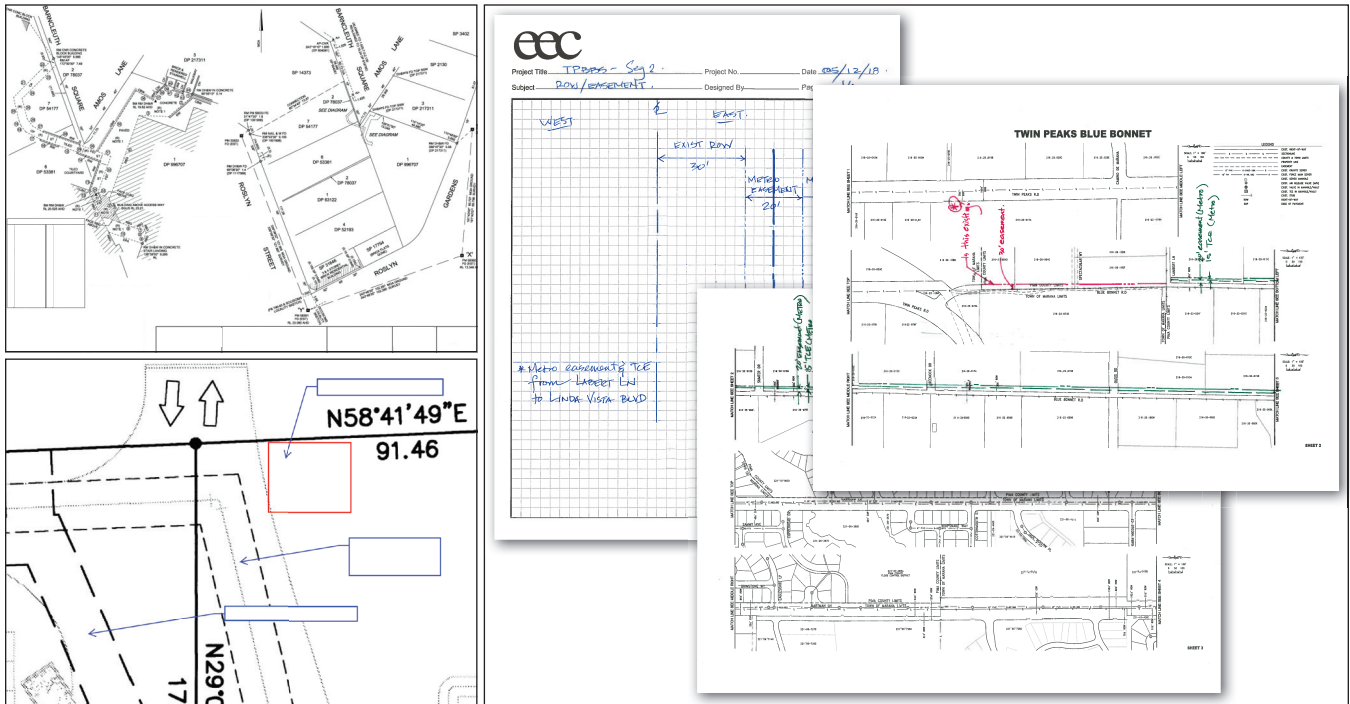
Before a project can be designed, the engineer needs to know everything that could affect a potential design including existing design features and ownership. EEC has provided design surveys for our own engineering department as well as for various other engineering firms.



ENGINEERING AND ENVIRONMENTAL CONSULTANTS, INC.

PROFESSIONAL LAND SURVEYING

Legal Descriptions and Exhibits



SERVICES

Legals
Sketches
Easements

EEC's Survey Department has prepared hundreds of legal descriptions. These descriptions range from leases for telecommunication sites to strip easements for public utilities. EEC is well-versed in the nuances of legal description preparation, so there is no ambiguity which could cause confusion in the future. In addition, EEC follows the rules of the State Board of Technical Registration Standards for all new legal descriptions.



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PROFESSIONAL LAND SURVEYING

Locating and Setting Property Pins



SERVICES

Verification

Monumentation

Record and Field Search

It is the policy of EEC's Survey Department to not "blindly accept" a monument without verifying its location. A search of public records and search in the field for supplemental monumentation will be completed before a found monument is accepted. The same criteria will be followed before a monument is set.



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PROFESSIONAL LAND SURVEYING

Unmanned Aircraft System (UAS)



SERVICES

Aerial Mapping
Reconnaissance Surveys
Aerial As-Builts
Building and Structural As-Builts
3D Point Clouds
Aerial Presentation Photography

EEC is uniquely positioned to offer aerial-based surveying to our clients. For many applications, it is quicker and more cost effective than conventional mapping and surveying. The accuracy and reliability of aerial-based mapping is dependent on the control established by surveyors. EEC can customize the necessary control to match the job and ensure a timely and appropriately accurate deliverable. The addition of drone-based surveying in-house can save our clients' time and money since it eliminates the lag time in both waiting for the project to be controlled by surveyors and/or waiting for the photogrammetry to be processed by an outside firm.



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