

Ali Flowers

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SUMMARY

CST III survey technician with 8 years of progressive experience producing **boundary surveys, topographic surveys**, plats, **construction staking** deliverables, **metes and bounds** descriptions, contour maps, and technical survey documentation. Advanced AutoCAD and Civil drafting capability supports accurate production from conventional and GPS observations through final deliverables. Experienced in processing field data, interpreting crew notes, researching deeds and source records, preparing working sketches, extracting staking information from engineering plans, and resolving discrepancies before drafting advances. Provides independent project setup, organized research, QA/QC review, technical guidance, and clear communication with project managers, CAD leaders, field crews, engineers, clients, and junior technicians. Consistent attention to detail supports dependable delivery across concurrent assignments, changing priorities, adjusted schedules, and overtime needs.

EXPERIENCE

Senior Survey Technician

March 2024 - Present

Lone Star Geomatics

San Antonio, TX

Leads office production for boundary, topographic, platting, and construction survey assignments. Supports project managers and field personnel through data processing, research, CAD production, review, and schedule coordination.

- Converted conventional and GPS observations into complete **CAD** deliverables for concurrent survey assignments.
- Resolved field note discrepancies before drafting, giving crews focused questions and reducing rework.
- Researched deeds and records, then prepared **working sketches** for complex parcel documentation.
- Built staking files from **engineering plans**, checking control, dimensions, alignments, and proposed features.
- Reviewed **plats, maps**, descriptions, and notes, documenting corrections for junior technicians.
- Coordinated priorities with **project managers** and field crews during schedule changes and overtime.

Survey Technician III

January 2022 - February 2024

Hill Country Survey Solutions

New Braunfels, TX

Produced land development and infrastructure survey deliverables with advanced CAD, field data processing, deed research, topographic mapping, and technical review for project managers and design teams.

- Produced **AutoCAD** and **Civil** drawings integrating measured features, control, contours, and annotation.
- Reconciled field codes and GPS observations before building boundary linework and topographic surfaces.
- Prepared **metes and bounds** descriptions from deeds, monuments, records, and survey evidence.
- Generated contour **maps** documenting terrain, utilities, improvements, and surveyed site features.
- Reviewed junior drafting for layer consistency, labeling, completeness, and source data agreement.
- Maintained traceable research records and technical notes from source documents through final CAD output.

Survey Technician II

June 2020 - December 2021

Alamo Infrastructure Mapping

San Antonio, TX

Supported roadway, utility, and site development assignments through CAD production, GPS and conventional data processing, **construction staking** preparation, deed research, mapping, and deadline management.

- Prepared CAD exhibits from field notes, coordinate data, **engineering plans**, and record documents.
- Checked point coding, control relationships, and coordinate consistency before drafting mapped features.
- Compiled alignments, offsets, grades, and feature locations into field ready staking references.
- Researched public deeds and plats, summarizing parcel information for boundary investigation.
- Built contour maps with clear annotation and supporting notes for engineering review.
- Managed concurrent assignments, communicated data questions, and documented revisions for accurate project records.

Survey Technician I

October 2018 - May 2020

Rio Vista Land Services

San Marcos, TX

Converted field observations into preliminary boundary and topographic drawings while developing capability in AutoCAD, deed research, **contour mapping**, file standards, and production planning under senior review.

- Converted crew notes and measured points into preliminary drawings for varied survey projects.
- Drafted boundary and topographic linework in **AutoCAD** under senior technician review.
- Flagged missing codes, unclear notes, and point conflicts before final production workflows.
- Prepared deed and plat research packets with traceable information for boundary analysis.
- Organized elevation data and site features for consistent contour map drafting files.
- Applied file naming, revision tracking, written instructions, and deadline **planning** during CST preparation.

PROJECTS

Regional Boundary and Topographic Production 📅 2024

Supported boundary, topographic, platting, and construction survey production by combining field observations, deed research, CAD drafting, mapping, and QA/QC review.

Infrastructure Staking Data Preparation 📅 2023

Compiled engineering plan information into organized staking references with alignments, offsets, grades, control checks, and feature locations for field layout.

LEADERSHIP & AWARDS

- Advanced to Certified Survey Technician Level III in 2024 after progressive production experience.
- Provided technical review and practical coaching for Survey Technician I and Survey Technician II staff.
- Trusted with concurrent assignments requiring organized production, clear records, and schedule coordination.

EDUCATION

Associate of Applied Science in Surveying Technology

2018

Austin Community College GPA: 3.5

Austin, TX

Coursework: Boundary surveys, topographic surveys, surveying procedures, AutoCAD, land records, field measurements

CERTIFICATIONS

- Certified Survey Technician Level III 📅 2024
- Associate of Applied Science in Surveying Technology 📅 2018

TECHNICAL SKILLS

- **CAD Software:** AutoCAD, Civil 3D, CAD standards
- **Survey Data:** Conventional observations, GPS data, field codes
- **Boundary Work:** Boundary surveys, deed analysis, parcel research
- **Topographic Mapping:** Topographic maps, contour maps, site features
- **Survey Documents:** Plats, metes and bounds, survey exhibits
- **Construction Layout:** Staking data, engineering plans, alignments
- **Quality Control:** QA/QC review, source checks, revision tracking
- **Records Research:** Deeds, plats, public records
- **Technical Production:** Charts, diagrams, drawings, technical reports
- **Project Coordination:** Project setup, schedule planning, field coordination
- **Survey Procedures:** Land measurement, map interpretation, survey equipment
- **Communication:** Client communication, technical guidance, written direction

SKILLS

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|----------------------------|------------------------|--------------------|----------------------------|
| • AutoCAD | • Boundary surveys | • Deed analysis | • Engineering plan reading |
| • Civil drafting | • Topographic surveys | • Plat preparation | • Field crew notes |
| • GPS data processing | • Construction staking | • Contour mapping | • Technical reports |
| • Conventional survey data | • Metes and bounds | • Survey QA/QC | |

PROFESSIONAL AFFILIATIONS

- Surveying Technology alumni, Austin Community College, 2018.
- Professional survey production collaboration with project managers, field crews, CAD staff, engineers, and clients.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST