

Civil CAD Designer, Civil 3D Infrastructure Design

📍 Pearland, TX 77584

- **Production ownership**
Owned active plan sets from model setup through plotting, and teammates relied on consistent follow through.
- **Technical troubleshooting**
Resolved Civil 3D file and drawing issues during production, keeping coordination moving when problems surfaced.
- **Clear coordination**
Kept engineers, designers, and administrators aligned through practical revisions and timely drawing updates.
- **Quality checking**
Caught labeling, scaling, dimensioning, and plotting issues before delivery, strengthening confidence in issued documents.
- **Staff support**
Shared useful Civil 3D habits with junior staff, turning recurring questions into smoother daily production.

Civil 3D AutoCAD Grading

Alignments Profiles Surfaces

Corridors Pipe Networks

Cross Sections

Volume Calculations

CAD Standards Plan Production

Quality Checking Civil Drafting

Utility Design

English Native

Spanish Intermediate

Civil CAD Designer with eight years of CADD production experience supporting roadway, park, site development, infrastructure, grading, drainage, and utility projects. Produces conceptual, preliminary, and **final construction documents** in **AutoCAD Civil 3D**, including alignments, profiles, surfaces, corridors, pipe networks, **plan and profile views**, cross sections, grading models, and volume calculations. Applies CAD standards for setup, scaling, labeling, dimensioning, plotting, revisions, and quality checks. Coordinates closely with engineers, designers, administrators, and project managers across concurrent plan sets. Uses Bluebeam Revu, Adobe Acrobat Pro, Excel, Word, Google Earth, and geolocation tools for review and production. Troubleshoots CAD issues, supports junior staff training, prioritizes independent work, and maintains a **valid Texas driver's license** for infrastructure assignments and field support.

- Led roadway and park **plan sets** in Civil 3D, improving production consistency across concurrent design packages.
- Built **grading**, drainage, and utility sheets with surfaces, **pipe networks**, profiles, and clear construction documentation.
- Reviewed drawings against **CAD standards**, resolving setup, labeling, **dimensioning**, scaling, and plotting issues before delivery.
- Troubleshoot Civil 3D files and coordinated fixes with engineers, designers, administrators, and project managers.
- Trained junior staff on plan production, **checking procedures**, file organization, and practical Civil 3D workflows.

- Created alignments, profiles, surfaces, corridors, and **cross sections** for **roadway design** packages and revisions.
- Developed **pipe networks** and **plan and profile views** for drainage and utility coordination with project teams.
- Calculated quantities from Civil 3D models, supporting practical material review and construction planning decisions.
- Coordinated drawing updates with engineers and designers, keeping model information aligned across plan sheets.
- Checked plan sets for **labeling**, dimensions, **plotting**, and visual consistency before formal project review.

- Prepared **survey** base files and site plans for grading, utility, and **civil development** assignments.
- Built grading exhibits and utility sheets from design information supplied by engineers and senior designers.
- Used **Bluebeam Revu** for **markups**, review comments, revisions, and drawing issue tracking.

MY CAREER



- Senior Civil CAD Designer at Gulf Prairie Civil Design (3.5 Years)
- Civil CAD Designer at Bayou Infrastructure Studio (2.6 Years)
- CAD Technician at Lone Star Site Design Group (2 Years)
- Junior CAD Technician at Coastal Drafting Services (8 Months)

- Produced and plotted plan sheets with consistent labels, dimensions, scales, and sheet organization.
- Maintained orderly project files, supporting faster revisions and smoother handoffs across design teams.

Junior CAD Technician

Coastal Drafting Services 📅 September 2017 - May 2018 📍 Webster, TX

Supported AutoCAD civil drafting and plan production under senior technical direction. Prepared drawing files, applied office standards, incorporated redlines, and completed early quality checks for civil deliverables.

- Set up AutoCAD civil drawings with correct files, scales, labels, dimensions, and sheet information.
- Applied redline revisions to civil drawings, preserving accurate design intent and organized presentation.
- Prepared plan details and drafting updates for senior review across active civil assignments.
- Checked file organization and plotted sheets for visible errors before team submission.
- Built practical drafting habits through supervised production, feedback, and repeat quality review.

PROJECTS

Regional Roadway Plan Production 📅 2024

Produced coordinated Civil 3D roadway documents with alignments, profiles, corridors, cross sections, plan sheets, and quantity support for construction review.

Municipal Park Grading Package 📅 2023

Prepared park grading and drainage documentation using surfaces, contours, pipe networks, volume calculations, markups, and coordinated plan revisions.

Utility and Site Development Documents 📅 2022

Supported site and utility plan production with survey bases, grading exhibits, plan and profile views, PDF review, and organized final plotting.

LEADERSHIP & AWARDS

- Autodesk Certified Professional recognition for Civil 3D infrastructure design, 2024.
- Senior staff recognition for dependable Civil 3D checking, troubleshooting, and junior training support.
- Trusted project contributor for concurrent roadway, park, grading, drainage, and utility plan production.

EDUCATION

Associate of Applied Science in Computer Aided Drafting and Design

San Jacinto College 🎓 GPA: 0 📅 2017 📍 Houston, TX

Coursework: AutoCAD drafting, civil plan production, technical drawing, design documentation

CERTIFICATIONS

- Autodesk Certified Professional: Civil 3D for Infrastructure Design 📅 2024
- Valid Texas Driver's License 📅 2026

TECHNICAL SKILLS

- **Civil Design Software:** AutoCAD Civil 3D, AutoCAD, CECOP
- **Civil Modeling:** Surfaces, Corridors, Pipe Networks
- **Roadway Design:** Alignments, Profiles, Cross Sections
- **Grading and Quantities:** Grading Models, Volume Calculations, Contours
- **Plan Documentation:** Plan Sets, Plan and Profile Views, Construction Documents
- **Review and Markup:** Bluebeam Revu, Adobe Acrobat Pro, PDF Markups
- **Office Applications:** Microsoft Excel, Microsoft Word, Microsoft PowerPoint
- **Mapping and Location:** Google Earth, Geolocation Applications, Survey Base Files

- **CAD Production Standards:** Drawing Setup, Scaling, Labeling, Dimensioning
- **Plotting and Checking:** Sheet Plotting, Quality Checks, Redline Revisions

PROFESSIONAL AFFILIATIONS

- Civil 3D user community participant focused on infrastructure design production practices.
- Professional drafting network participant supporting continued CAD learning and peer exchange.

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST