

SUE SERVICES

Subsurface Utility Engineering



Partners for a Better Quality of Life

Firm History

Established in 1980, CP&Y is a Texas-based firm that employs more than 400 engineers, technicians, and support staff located in 15 offices across five states. Celebrating 40 years of excellent service, CP&Y continues to expand our SUE offerings and service area. Currently, our SUE crews originate from three of our Texas offices (Dallas, Round Rock, and San Antonio with support from a fourth office in Waco), giving us convenient access to project locations across the state.

Office Locations Providing SUE Services



Dallas

Headquarters
1820 Regal Row,
Suite 200
Dallas, Texas 75235
P: 214.638.0500

Round Rock

Old Town Square
1 Chisholm Trail,
Suite 130
Round Rock, Texas 78681
P: 512.248.0065

San Antonio

12500 San Pedro Avenue,
Suite 450
San Antonio, Texas 78216
P: 210.494.8004

SUE Leadership

Our leadership understands that SUE is a vital element in the pre-design process because accurate utility mapping data is used for financial projections, risk management, substantial project savings, and a reduction in project delays. CP&Y's SUE leadership implements ASCE 38-02 standards in our Quality Control process to verify that our team consistently provides high-quality deliverables with accurate utility mapping to facilitate confident design decisions.



Ronald Lindsay
Director of SUE
rlindsay@cpyi.com

Ron has been in the SUE industry for nearly 10 years but draws on over 30 years of additional experience in civil, aviation, and inspection fields. He has been involved in the full scope of SUE projects, including the full range of SUE Quality Levels D to A with experience in both hands-on field location and in-office drafting to create record drawings. **He has extensive experience serving as SUE Project Manager for several regional authorities and local agencies, such as TxDOT, Gulf Coast Water Authority, and San Antonio Water System, as well as municipalities, like Bexar County and the City of Austin.**



Kim Speir
SUE Project Manager
kspeir@cpyi.com

Kim has nearly 30 years of experience in the survey, design, and drafting fields. He brings 10 years of experience in the SUE industry specifically, including Quality Levels D through A work with both hands-on field location and in-office drafting experience. Kim's early work for a Utility Contractor installing underground utilities gives him a unique perspective on SUE projects. **Kim recently served as the SUE Project Manager for the nation's largest public-private-partnership (P3) project, facilitating SUE services for over 100 miles of water supply pipeline.**



Adam Ramos, Jr.
Assistant SUE Manager
aramos@cpyi.com

Adam brings 11 years of experience serving as Project Manager for municipal infrastructure improvement projects, from contracting through to construction. He regularly worked with City staff to recommend solutions that address residents' project concerns during bidding, permitting, construction management. He also has experience working alongside the Texas Commission on Environment Quality (TCEQ) for construction permitting and design approval. **Adam is a member of the West Point Association of Graduates, South Texas Chapter, and the Society of American Military Engineers (SAME). As a Combat Veteran in Iraq and Afghanistan, Adam is a recipient of the Bronze Star Medal.**

Our Services

CP&Y is equipped to offer the full range of SUE services, from Quality Level D through A. We recognize that different projects require different SUE approaches, so we use our experience and understanding of the application of all SUE Quality Levels to recommend and provide the appropriate level of precision for your individual project needs.

For more information on our SUE services, please visit www.cpyi.com/subsurface-utility-engineering.

We offer SUE services for the following project types:

- Airports
- Commercial Development
- Gas and Electric Utilities
- Treatment Plants
- Transportation
- Drainage
- Schools
- Water and Wastewater

Sample Projects



Vista Ridge Regional Supply Pipeline • Central Texas Regional Water Supply Corp

This project was a water supply system which consisted of a well field, several miles of well collection line, large diameter treated water transmission main, multiple pump stations, water treatment facilities, and customer delivery station.

SUE services included Quality Level D utility research, Quality Level B utility designation, and Quality Level A test holes in critical areas. We excavated 66 Quality Level A test holes at 21 critical points of contact. We delivered test hole data sheets along with an AutoCAD file to the client. Document preparation included permanent waterline easements, temporary construction easements, well field sanitary control easements, and electrical service easements.

In addition to SUE, CP&Y provided engineering design and survey services, which included over 85 miles of easement corridor requiring boundary survey and easement document preparation of over 225 parcels.



Main Street • City of Richardson, Texas

CP&Y verified existing control, conducted boundary survey, design survey, and performed SUE Quality Level B electronic designation on the roughly 15 city blocks surrounding the intersections of Greenville Avenue and the DART Rail line at Main Street and Beltline Road.

SUE services included review of as-built plans and existing, designating to locate the approximate horizontal location of the municipal and franchise utilities, and locating our marks with standard survey work which included data collection in the field to finish line work. We provided the City digital CADD files showing the delineation of each specific utility line and surface appurtenance. Because some of the utility lines to be located were along heavily trafficked roadways, CP&Y also prepared traffic control plans, maintained traffic control devices, and contracted/managed traffic control subconsultant services.

This work was conducted as a subconsultant to Kimley-Horn and Associates, Inc. to provide basemap data for the study of the urban landscape of this noted intersection.



RM 620 • Texas Department of Transportation (TxDOT), Austin District, Texas

CP&Y performed ASCE 38-02 utility designation services along a 9-mile corridor for various improvements on RM 620. Our team developed utility base maps for the analysis and the proposed schematic layout depicting the approximate location of major utilities based on utility owner record drawings.

We mapped approximately 9 miles of Quality Level B and Quality Level D utilities, including multi-owner communication ducts, gas, multiple water and sewer owners, copper and fiber telephone, primary and secondary electric, force mains, CATV, proposed gas, traffic control cables, and abandoned utilities. Quality Level A utilities included test holes for excavation. Additional utilities included private lines outside of the right-of-way, such as gravity systems, per the client's request. We also mapped overhead utilities, and our two-dimensional horizontal mapping was referenced to established survey control. Deliverables were presented to the client in a MicroStation file.

Get in Touch

Corporate Headquarters

1820 Regal Row, Ste. 200
Dallas, TX 75235
P: 214.638.0500

Locations

Austin, Texas
Bryan, Texas
Collin County, Texas
Colorado Springs, Colorado
Fort Worth, Texas
Houston, Texas
Longview, Texas
Oklahoma City, Oklahoma
Pensacola, Florida
Richmond, Virginia
Round Rock, Texas
San Antonio, Texas
Tulsa, Oklahoma
Waco, Texas

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Us



About CP&Y

CP&Y is an employee-owned, innovative, and progressive full-service architectural and engineering firm. With a staff of over 400 professionals in Texas, Oklahoma, Colorado, Florida, and Virginia, CP&Y receives industry recognition by providing cost-effective solutions without sacrificing needs. To learn more about CP&Y, visit our website or join the conversation on our social media channels.

www.cpyi.com