PIN POINT
PRECISION ENGINEERING

AREAS OF EXPERTISE

TELECOMMUNICATIONS
- Copper Designs
- Fiber Designs
- Field Surveying
- Permitting
- Civil Design
- Construction Management

GAS
- Oil & Gas Pipeline
- Route Design
- Watch & Protect Inspection
- Field Surveying
- Permitting
- Civil Design
- Construction Management

TRAININGS & CERTIFICATES
- Project Management (PMP)
- ARES/ARAMIS Training
- O'Calc Training

TELECOMMUNICATION DESIGN PROJECTS

Telecommunication Fiber Infrastructure- Naperville, IL

Project Cost: $650,000

This project entailed the placing of fiber optic facilities underground throughout a vast area (approximately 10 miles) to support our client's highly demanded fiber services and to position them for the future. The project was broken into two phases the manholes make ready, the mapping of existing conduits leaving each manhole and the actual fiber design. Responsibilities included a field survey of the proposed route, designing the make ready and the underground fiber run, quality control by in-house PE, submitting quality design to the client, vetting the construction team and obtaining appropriate permissions in areas where we need permission from the city to bore.

Small Cell Expansion - Aurora, IL

Project Cost: $200,000

For this project, our client had us design their fiber infrastructure for multiple small cell locations in the city of Aurora. Our client was upgrading their cellular network and added small cell antennas in areas where their customers complained about their services due to weak signals. We were given design plans for over 20 locations, where we designed the fiber path to our client's new equipment, with a two-month deadline. Responsibilities included surveying each site and obtaining field notes, design of each project appropriately by our CAD team, design review by our PE, delivering each job to the client for review and issuance to the construction team and obtaining the necessary permits where necessary.

Fiber to the Business- 120-388 E. Golf Rd. - Arlington Heights, IL

Project Cost: $25,000

This project consisted of our client giving us a proposed route to design that will feed their customer's fiber optic Internet services via existing underground facilities. Responsibilities included a survey the area to discover and resolve any existing conflicts, our CAD team designed the best route to get to our clients customer, our PE reviewed the design and our Project Manager issued the job to the client. We also applied for all necessary permits needed so our client's construction team could complete the work in the field (O'Calc analysis and village permit to work).

GAS DESIGN PROJECT EXPERIENCE

People's Gas – Stony Island Park, Chicago, IL

Project Cost: $870,000

This project involved the installation of over 1,000 feet of new gas lines and services, as well as the retirement of outdated gas lines. This project involved seven phases that included a design, review, peer review, final review submittal stage, custom restoration plans, and custom traffic control plans. From the CAD work for the existing

conditions, to the design portion of the new pipes, pinpoint's engineers held the drawings and designs to the highest standards.

People's Gas – Albany Park, Chicago, IL

Project Cost: $1.4 Million

This project involved redesign and replacement of older pipeline and designs that were previously submitted to People's Gas. It was discovered that the original design drawings would not work with the current existing conditions. This meant that a field survey was needed, along with new design work for the new pipe installation and permits. This included the removal of the older pipes that were in use. Construction did not begin until after the initial design, and when People's Gas was ready to build. Every phase was completed promptly and approved through each phase. There were a total of 42 phases with 5,000 feet of pipeline designed for this project.

People's Gas – 75th and Western Avenue, Chicago, IL

Project Cost: $500,000

Project included the design of over 1,000 feet of new gas lines and gas line service to buildings for People's Gas. The main pipeline route ran along South Western Avenue, which is an IDOT and Cook County road. Because of this, all design of pipeline, construction restoration, and traffic control were required adhere to IDOT and County rules, regulations, and standards. The field survey and plot of the underground utility phases were completed before the design for the new pipeline could begin.