



Project Designer–Civil Position Guide

Summary/Objective

The Project Designer will work with Senior Designers, Engineers, and Surveyors to prepare new drawings, modify existing drawings, and create survey base mapping to assist McCarthy Engineering in the successful delivery of projects to clients.

Main Responsibilities

The specific responsibilities of this position include, but are not limited to, the following:

1. Prepare surveying drawings and exhibits utilizing research and the information gathered in the field.
2. Interpret and plot recorded deed and property surveys.
3. Familiarity with municipal zoning requirements.
4. Prepare ALTA/ACSM Plans per title commitment requirements under the supervision of a PLS.
5. Perform stakeout calculations for construction sites.
6. Prepare As-Built drawings for municipal approvals.
7. Work with a team of professionals to ensure client satisfaction and successful project completion.
8. Work in the field as part of survey crew when needed.
9. Basic comprehension of horizontal and vertical site design principles.
10. Perform plan markups as provided by project engineers and management.
11. Basic comprehension of underground utility design.

Working Relationships

Supervision received: The Project Designer reports to the Senior Designer/CADD Manager, and may also receive project-specific direction from Department Managers, Project Engineers, Senior Engineers, Engineers, and Survey Crew Chiefs/Surveyors

Supervision given: None



Core Competencies

- Excellent verbal and written communication skills.
- AutoCAD Civil 3D experience and knowledge.
- Field Survey knowledge and experience.
- PA One Call system procedures knowledge and experience.
- Fluency with Microsoft Office Suite.

Basic Qualifications

- Minimum 3 years' experience as a Project Designer/CADD Technician/Survey Technician.

Physical Requirements and Working Conditions

- Travel within the state of Pennsylvania and neighboring states.
- Ability to visit and navigate various construction, development, and industrial sites.
- Ability to work as part of a survey crew in the field.
- Regular office work including extensive use of computers, telephones, copiers, etc.