



## **RF / HFC Designer (CAD Level 3)**

*A unique opportunity to work in a technology focused firm based in Markham, Ontario.*

*Come work at a rapidly growing engineering firm that is staffed with industry experts, has great benefits, and prides itself on developing our people.*

### **The Company**

Planview Utility Services is an engineering firm that provides engineering design, sub-surface investigation and geographical information related services to telecommunication companies and electric utilities. Our workforce is a mix of veterans of the industry and youthful enthusiastic technical resources. We have pride in our collegial culture and host multiple regular corporate sponsored social activities. Our embrace of the use of technology plays a large part in our success.

### **The Position**

Coordinate work activities with project coordinators, designers, surveyors, engineers and About the Role:

The CATV Designer is capable of efficient RF system design for CATV networks for various types of projects consisting of new build (Single Family Unit - SFU / Multi Dwelling Units - MDU), forced relocates, rebuild and extensions.

Design projects are executed using client provided software and includes forward and reverse paths and powering.

## **Responsibilities:**

Drafts and designs new plant extension and as built utilizing the client specific software;

Produce various maps for permitting and design requirements

Updates RF and/or Fiber Design databases and maintains system maps including base map, cable, fiber routes, addresses & RF design including commercial, SFU, MDU, FTTC. FTTX, FFTB node profiles & powering data;

Executes system design by gathering information from project staff, calculates powering and level analysis and selecting appropriate location for power supplies & nodes

Provides drawings and details in both CAD based platforms and other media to determine and display design criteria

Imports AutoCAD, TIFF or other file formats and hard copy maps to create electronic base maps for road bases, MDU's & Strand routing;

Experience with SpatialNet would be an asset

Designs fiber optic communications network and Cable TV system to Client design specifications;

Incorporates field changes and as-built changes from draft prints to the system database;

Communicates with the Permit department and Coordinators in order to gather and provide accurate information with regard to construction design and drafting;

Determines method to design the plant change with minimal impact to the system/customer and minimize related construction cost & ensures quality of design.

Complete projects within prescribed time limits

Works closely with GIS, CAD Staff, Project Coordinators and other internal resources to execute projects within a timely fashion, whilst maintaining budgetary restraints.

## Requirements:

- College Diploma in Engineering technology or higher minimum of 1-3 years. Direct relevant experience in design of HFC Design / RF Design or other telecommunication design required
- Experience with SpatialNet would be an asset
- Expert skills in Microsoft office is an asset
- Good analytical skills and good judgment
- Good written communication skills
- Knowledge of technical standards for the design of the outside network (poles, broad band technology, fiber & copper cables) would be an asset
- Working knowledge of AutoCAD and other GIS / Spatial platforms
- Self-disciplined
- Able to operate effectively in a fast-paced and highly energetic environment
- Must have excellent supervision skills
- Capable of working under pressure, sense of urgency
- Team player
- Autonomous, adaptable
- Ability to multi-task and prioritize responsibilities

## Preferred Skills

- Canadian consulting engineering work experience
- Experience with outside plant (OSP) design of utilities (i.e. electric, gas, telecom, fiber optic, etc.)
- Aerial and buried design components
- Knowledge of CSA, ESA and Regulation 22.01
- Past experience with directly within a telecommunication company or engineering design house

## The Location

Planview Utility Services has 3 offices – Markham, London and Ottawa. Our clients and their projects are based throughout the province. This position will be out of our London office.

## Why You Should Apply

If you like to work as a part of a team, work alone, travel, contribute to infrastructure builds, work outdoors, receive competitive compensation, and be trained in current practices, then you should apply.

## Note

Planview Utility Services Ltd is an Equal Opportunity Employer.

In accordance with the Accessibility for Ontarians with Disabilities Act, 2005 and the Ontario Human Rights Code, Planview Utility Services Ltd will provide accommodations to applicants with disabilities throughout the recruitment, selection and/or assessment process. If selected to participate in the recruitment, selection and/or assessment process, please inform Human Resources staff of the nature of any accommodation(s) that you may require.