

# CIVIL BLUEPRINT READING



## Description:

Participants will learn how to read a set of civil construction blueprints, drawing specifications and general notes. Using various samples of civil blueprints, participants will gain experience and practical knowledge for their day-to-day work on construction projects.

## Audience:

Ideal for those who have little or no background in civil blueprint reading.

## At the end of the course participants will be able to:

- Have an elementary knowledge of civil blueprint reading as it relates to building construction projects
- Understand in general terms the design process and the role of design professionals
- Understand how Building Codes and Bylaws impact blueprints
- Understand specifications and the contractual hierarchy
- Be able to find trade information using blueprints
- Be able to answer basic construction questions related to the layout and installation of materials
- Be able to identify elementary problems or shortcomings of the blueprints you are using
- Be familiar with civil, architectural and structural drawings, and how they fit together
- Understand and be able to use architectural & metric scale rules

- Understand how to convert metric dimensions to architectural (imperial) dimensions
- Know what a floor plan, section, detail, profile and elevation are
- Understand symbols, notations, abbreviations and material schedules
- Be able to work with the drawings to obtain basic information on dimensions, finishes, details, area calculations, and the ability to do simple material-takeoffs

## Course fee includes:

All books and materials, lunch, certificate upon completion and parking.

## The course includes:

One day (8 hours) of lessons with instructor. The course is eligible for 1 CCA Gold Seal education credits upon successful completion.

## The instructor:

**Mark Waters, CTech., GSC** has worked in the civil and environmental construction industry for the past 30 years and is an experienced project manager and estimator. He graduated from the BCIT Geomatics Technician program with honours in 1996 and joined the Applied Science Technologists and Technicians Association of BC in 1997. Mark spent many of his earlier civil construction years as a project superintendent and engineering surveyor.



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