Civil Drawing (Base / Key Plan)

File Format
AutoCAD (.dwg) in metric, with all drawings bound - no xrefs

What is a Civil Drawing?

A Civil Drawing, sometimes known as a Base Plan or Key Plan, is a scaled drawings that show the overall design including existing and proposed locations of the utilities in relation to your development site.

Why do we need to see it?

Developments have many aspects, and we need to graphically see the location of all the other utilities and other infrastructure that is involved with your development. This will allow us to coordinate with the other utilities during the design stage to reduce the risks of any delays or additional costs further in the project. This drawing is often used with Electrical Drawings to give us the best understanding of your site requirements.

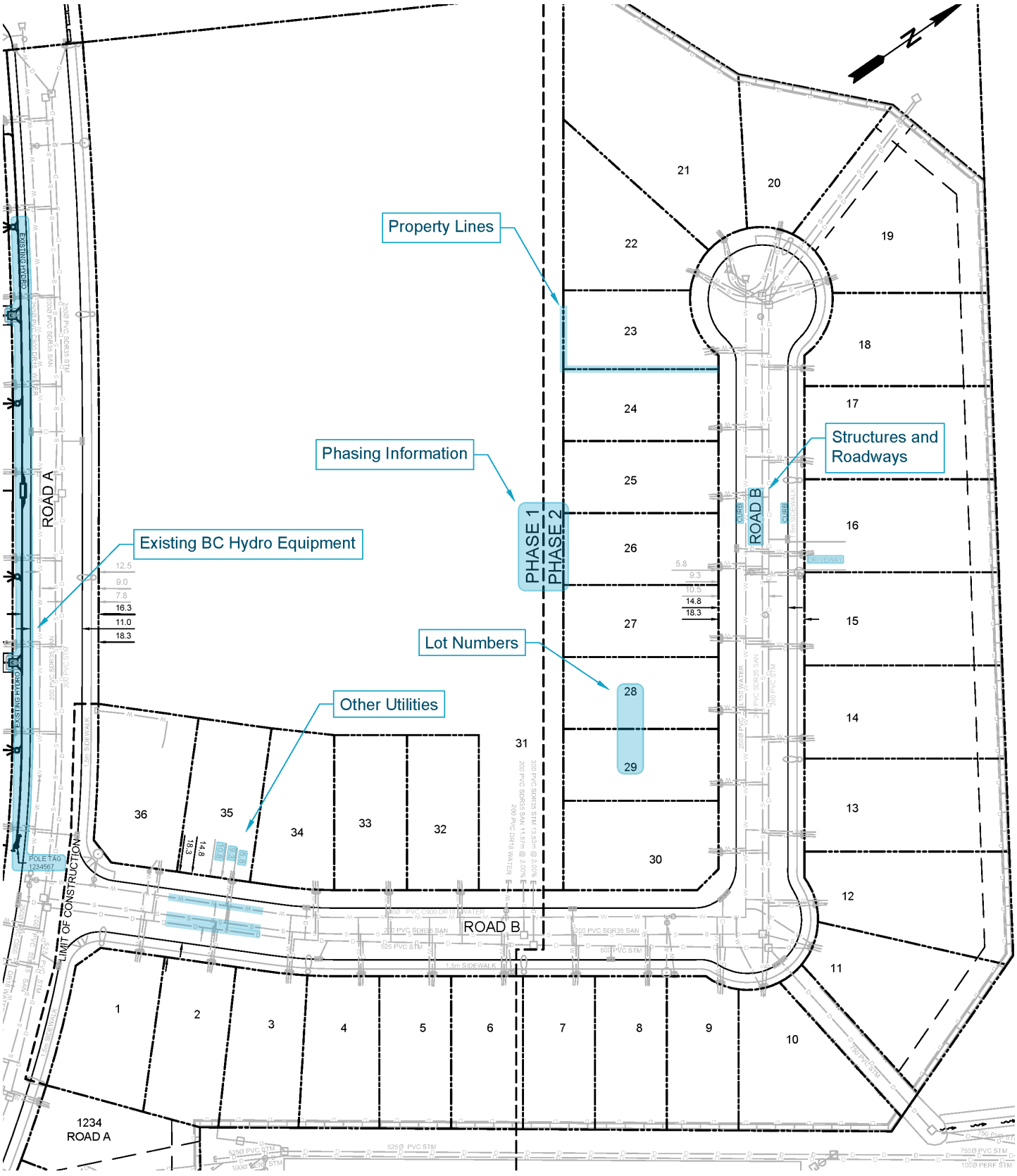
What does it need to show?

What we need to see	How much detail is required?	Why do we need to see it?
Property Lines	• All property lines surrounding and within the development site	• To determine the project boundary and the locations of BC Hydro infrastructure required to service the lots in the development • As reference points for determining the exact location of the equipment shown on the drawing
Other Utilities	• Locations of all existing and proposed underground utilities (water, sanitary, storm, gas, BC Hydro, communications, etc.) both on site and on public property	• To coordinate the required separation distances and clearances within our design, and to avoid any potential conflicts during construction
Existing BC Hydro Equipment	• Show the location of any existing BC Hydro equipment on public property including any poles, guy wires, underground boxes and structures, conduits, etc. • Provide any pole tag numbers and kiosk identification numbers	• To identify and resolve conflicts with existing BC Hydro plant and to determine BC Hydro servicing location
Onsite and offsite structures and roadways	• The locations of any existing or proposed curbs, driveways, boulevards, sidewalks, parking spaces, environmentally sensitive areas, or other obstructions such as retaining walls, bollards, or elevation changes	• To ensure the proposed BC Hydro infrastructure meets vehicle load ratings and clearance requirements with other roadway structures • To ensure BC Hydro infrastructure can be installed in areas with adequate clearance requirements
Subdivision Plan (if applicable)	• Proposed subdivided lots including lot numbers. • Phasing information if the subdivision will be built in phases	• To ensure that our design will service all the proposed lots. • Phasing information will help us coordinate with your construction schedule

For more detailed information, please refer to our Distribution Technical Standards and Guides on bchydro.com

BC Hydro Power smart

Civil Drawing (Base or Key Plan) Example



Example of Required Information

The material and information shown in this document are intended for informational purposes only, and we'll be updating it from time to time. It has been created to emphasize common requirements, errors and omissions that can cause delays in the design process and may not reflect current industry and professional standards or requirements. It is not a substitute for legal, engineering or professional advice.

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