



The Corporation of **THE CITY OF NORTH VANCOUVER**

Requirements for Plan Submissions

Plumbing Services

Inspection Division Information Handout #PLM3

The purpose of this information handout is to provide information on the requirements for plan submissions for plumbing related permits for other than single family and duplex residences on individual lots.

Water Service

- Dimension, location and size at property line
- Show routing of branches within property
- Show sizes of branches within property
- Show total water supply fixture unit loading
- Include note on the plan, where applicable.

Sanitary Building Sewer

- Dimension, location, invert elevation and size at the property line
- Indicate proposed gradient and pipe sizes within property
- Show invert elevation at upper terminus of branch piping
- Show fixture unit loading
- Show required cleanouts

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Storm Building Sewer

- Dimension, location, invert elevation and size at the property line
- Indicate proposed gradient and pipe sizes within property
- Show invert elevation at upper terminus of branch piping
- Show area drained, in square feet, square metres or liters
- Show storm drainage as separate and distinct from drain tile system
- Show size and location of drain tile
- Show location of cleanouts, sumps, catch basins, lawn basins etc.
- Provide construction detail, including size of sumps, catch basins etc.
- Indicate with directional arrows surface drainage pattern of paved area.

Water Distribution Piping

- Show water distribution piping with sizes and water supply fixture unit loading
- Main distribution piping may be shown on plan view, riser diagrams with pipe sizes and water supply fixture unit loading if more than two storeys being supplied from risers.
- Recirculating piping shall be sized and documentation submitted to evidence that water velocities under designed pump installation will not exceed Code maximum.

Sanitary Drainage/Venting

- Show riser diagrams if drainage/venting serves fixtures on more than two storeys.
- Designed car wash spots, drainage is to be collected and drained to the sanitary sewer system.

Underground Parking Garage

- Drainage from underground parking garages must be directed to the sanitary drainage system. Contact the Plumbing Inspector to ascertain if this applies to your project.