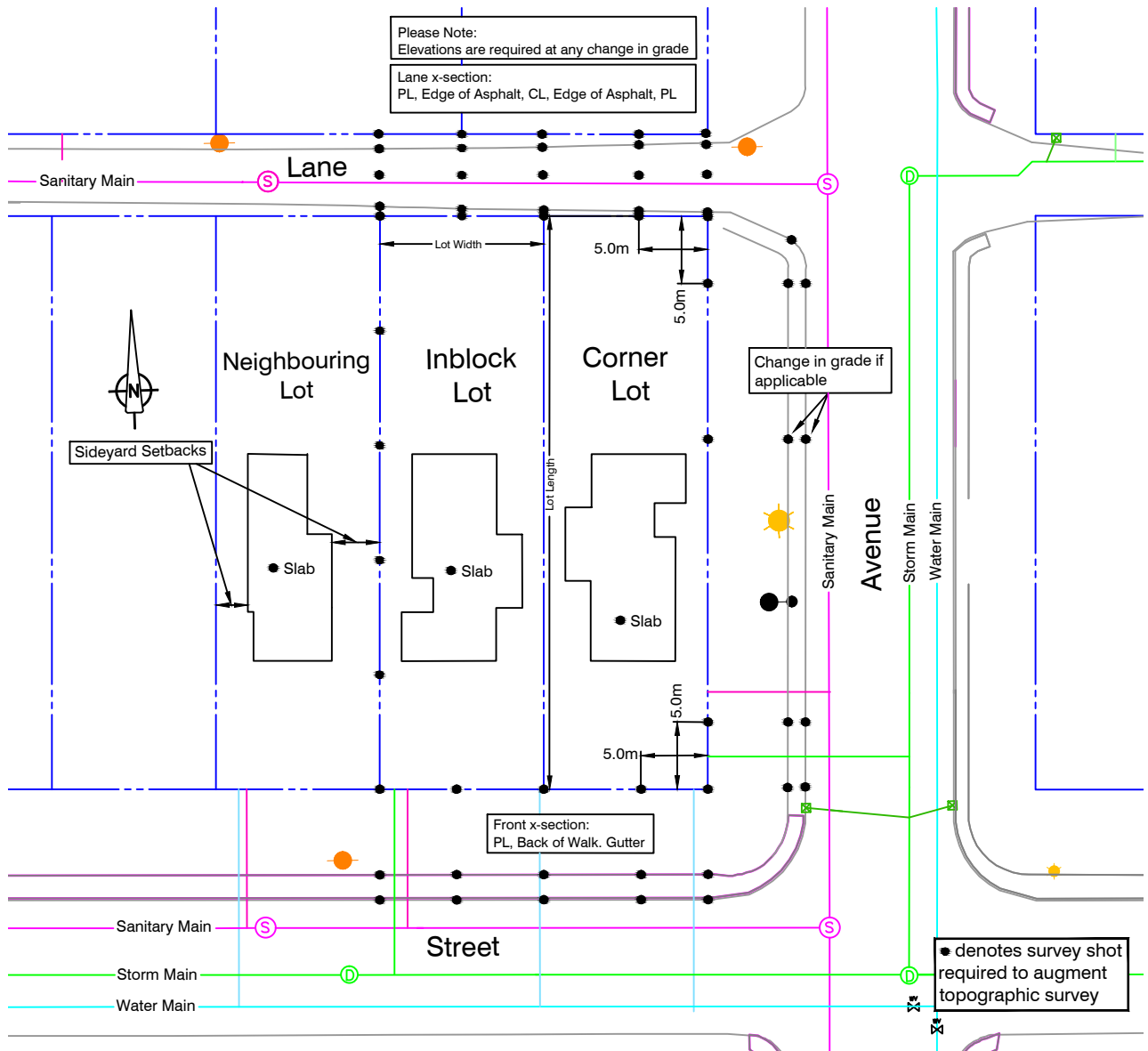


# Service Information Survey Requirements



Typical Survey for development site must include the above graphic shots and the following:

- A complete topographic survey including: gutter and back of walk at property lines, lane x-sections.
- Adjacent signage, street lighting, utility poles, easements, on-site and off-site utilities, basement elevation, any changes in grade, top and bottom elevations of retaining walls (if applicable).
- Lot area
- Four shots evenly spaced along dividing lot lines of neighbouring lots.
- Manholes and catch basins rims and **inverts** upstream and downstream of subject property. Contact Engineering if manholes are inaccessible.
- Nearest fire hydrant
- Locate all trees both on private and city property. Specify size and caliper.
- Please note: properties subject to a Streamside Protection and Enhancement Development Permits will required survey shots at five, ten, and fifteen meters from ravines and/or top of bank of watercourse, respectively.

Survey must be submitted to City of North Vancouver both on paper and in digital format.

**Monument Benchmarks** - set by the Provincial Government, are intergrated brass caps embedded flush with surface or in a monument box. May require key access.

**All New Development Sites Must Tie into a Monument**

**Hydrant Benchmarks** - set by the City of North Vancouver. Top of the bolt nearest to the property line.

**All Benchmark Information is Geodetic Datum - Metric (NAD 83)**

**Other Benchmarks** - set by the City of North Vancouver.

**Spike** - usually curbside of a Power Pole. Shot taken on the nail head.

**Lamp Base** - usually curbside, nearest the road. Shot taken on the concrete base.