

On-site Servicing Inspections

The City of Nanaimo under Building Bylaw No. 5693 relies upon certification by a Civil Engineer that the design and installation of the works is in compliance with the BC Building Code and in accordance with good engineering practice.

These items reference the Civil Engineer on-site servicing scope as per their civil engineer's drawings.

1. PIPE PLACEMENT (drop-in inspections)

(Engineer's site inspection report to be submitted to the plumbing inspector)

- Domestic water line, fire line, sanitary sewer line, storm sewer line.
- Pipe material and classification schedule as per City approved plans (City of Nanaimo Standards, BC Building Code and/or NFPA Standards).
- Confirm location and size of connections.
- Note thrust blocking, tie rods and /or hold-downs.

2. COMPACTION OVER PIPE (drop-in inspection)

(Engineers site inspection report to be submitted to the plumbing inspector)

- Compaction results from testing agency.

3. WATER (drop-in inspections)

(Engineer's site inspection report to be submitted to the plumbing inspector)

- Pressure test – the greater of 1.5 times the average system operating pressure or 1,035 kpa (150 psi) for 1 hour with no loss of pressure.
- Chlorination test results AWWA C651 where pipe is 2 inches and larger.

4. FIRE LINE TO NFPA STANDARDS (drop-in inspections)

(Engineer's site inspection report to be submitted to the plumbing inspector)

- Pressure test 2 hours at 1378 kpa or 200 pounds.

5. SANITARY SEWER (drop-in inspections)

(Engineer's site inspection report to be submitted to the plumbing inspector)

- Air test, 8" sanitary pipe – 24 kpa or 3.5 lbs. for 5 min. 6 sec., 6" sanitary pipe – 24 kpa or 3.5 lbs. for 3 min. 50 sec. Air test not to be used with concrete pipe.
- Smoke test (where there are multi connections).
- Video of pipe, confirm video has been reviewed and no defects were found, submit paper copy of video report.

6. STORM SEWER (drop-in inspections)

(Engineer's site inspection report to be submitted to the plumbing inspector)

- Smoke test (where there are multiple connections).
- Video of pipe, confirm video has been reviewed and no defects were found, submit paper copy of video report.