

## On-Site Servicing Inspections for Active Building Permits

**Overview:** The City of Nanaimo, under Building Bylaw No. 7224, 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.

**Questions regarding on-site servicing can be directed to  
the City Plumbing Inspector at 250-755-4429.**