

Drain & Sewer Inspection Checklist

This list is intended to offer a general overview of the types of elements our inspectors may focus on during an inspection. It should be noted that this list is not exhaustive and should not be considered a definitive guide. Each inspection is unique, and the specific circumstances of each case may result in variations regarding what is inspected or prioritized. Always consult with your assigned inspector for any questions that may arise from your project.

Materials & Equipment

- Improper pipe fittings in drainage or venting systems are not being used.
- One-quarter bends with 4-inch size or less drainage piping are not installed on building drains.
- A double Y, double TY, double T, or double waste fitting is not installed in a nominally horizontal soil or waste pipe.
- Plastic pipe conforms to B181.1, B181.2, B182.1, or B182.2 when used underground outside a building, under a building for a drainage system, or inside a building for a storm drainage system.
- Plastic pipe conforms to B181.1 or B181.2 when used under a building or inside a building for a venting system.
- PE/AL/PE pipe and fittings have not been used in a hot water potable water system.
- PEX/AL/PEX pipe and fittings for use with potable water systems comply with B137.10.
- Galvanized pipe has not been used in a water distribution system, except for repairs.
- Solder joint fittings for drainage systems, lead waste pipe, and aluminum DWV pipe have not been used in a water system. Lead-free solder is being used.
- Type M soft copper tube is not being used in the potable water system.

Piping

- Cast iron, galvanized steel pipe, and aluminum DWV pipe are not welded.
- Slip joints have not been used in the venting or drainage system.
- Connection of pipes with an increaser or reducer will permit drainage of the system.
- Allowance made for expansion of piping.
- Piping is protected against freezing temperatures.
- Continuous support of piping is provided.

- Storm building drain and sewer is white in color.
- Sanitary building drain and sewer is any other color but white.

Drainage Testing, Venting and Water Systems

- Systems are ready for inspection prior to the inspector's arrival with water or air pressurized.
- No leaks in drainage, venting, or water distribution systems.

Traps

- Floor drains have trap seal primers and are vented.

Cleanouts

- Cleanout for the building drain is accessible.
- Cleanout located at the base of stacks.

Slope & Length of Drainage Pipe

- Minimum slope of 1 in 50 for a pipe 3" or less.

Vent Pipes

- Vent pipe of at least 1 ½" on each storey.
- Sewage ejector is vented at the top.
- Vent pipe installed without sag and no open or unused ends.