

Water and Sewer Service Connection Requirements - Bulletin

The following is a basic guideline for the installation and inspection requirements of water and sanitary sewer service connections within the Village of Pemberton

The applicant must notify The Village of Pemberton Public Works Department or Building Official with adequate notice when the sewer and/or water service lines are ready for inspection and connection. The connection shall be made under the **supervision of a Village representative** and carried out by **competent professionals** experienced and familiar with installation of services.

All Service Connections Requirements:

- Lines must **NOT** be concealed, **NOT** covered, and **NOT** put into use at time of the inspection.
- The minimum depth of services shall be 1.8m for Water, and 1.2m for sanitary sewer.
- There is no possible cross connection between the Village potable water supply and any private water supply or other potential source of contamination.
- If the water service line and sanitary sewer line are installed in the same trench, there is adequate separation between pipes (minimum 1m).
- All service lines are supported so sagging and misalignment cannot occur, and bedding is solid and firm along entire length of pipe.
- Bedding material is imported, on site and conforms to MMCD standards.
- Backfill material shall not contain rocks, boulders, organic soils, frozen material, rubble, or debris.

Water Service Requirements:

- The piping material, joints, and fittings are approved for use in potable water applications, CSA approved as listed on the Permitted Potable Water Pipe Applications, Underground - Outside Building, as found in the National Plumbing Code of Canada's latest revision.
- Water service is protected (sleeved) where it passes through foundations and/or footings.
- Water service connects directly to the service valve with a straight run to the building, with no couplings (unless specifically permitted by Village inspector).

At the time of the inspection, if internal dwelling isolation valve is not already installed, a hose bib/ball valve must be affixed to the end of the service pipe to allow for attachment of a pressure gauge. The Village representative will then open the main service valve and pressure test the line, while performing a visual inspection to confirm there are no leaks/pressure loss.

Sanitary Sewer Service Requirements:

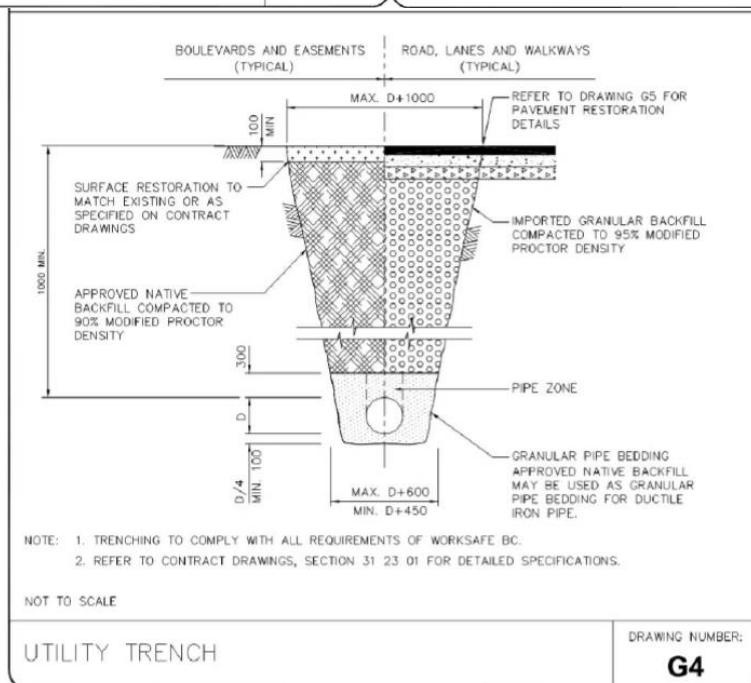
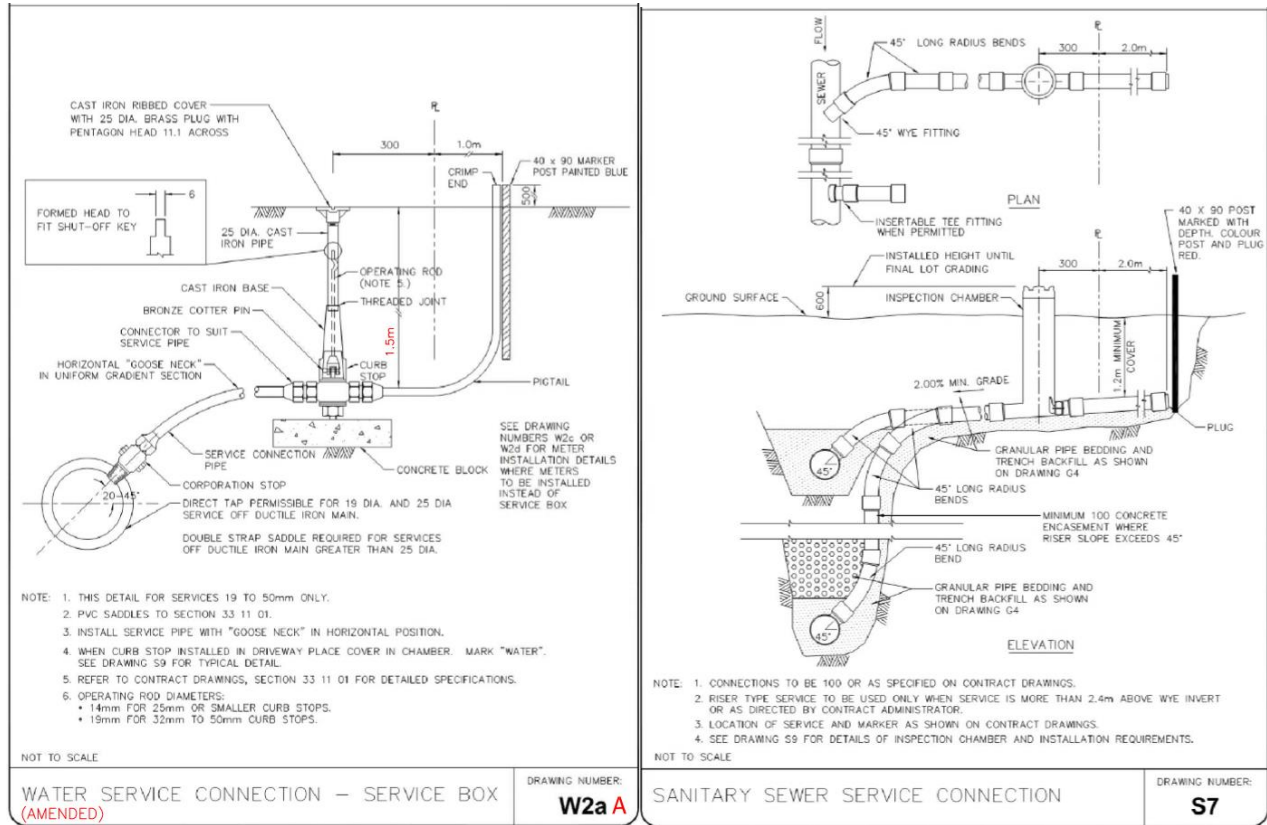
- Sanitary sewer piping and fittings are of approved materials, according to the National Plumbing code of Canada's latest revision.
- Sanitary sewer line does **NOT** extend below the bearing plane of footings.
- Sewer pipe shall have a minimum grade of 2% for 100mm pipe, and 1% for 150mm pipe.
- Cleanouts are required every 15m (50') and at changes in direction over 45 degrees.


A water pressure test shall consist of applying a water column of at least 3 m to all joints. Every opening except the highest shall be tightly closed with a testing plug or a screw cap, and the entire system or the section shall be kept filled with water for at least 15 mins.

Any Water or Sanitary Sewer connection that is backfilled without a Village inspection must be excavated/exposed at the cost of the owner for inspection. If the above conditions are not met at the time of inspection and a re-inspection is required, prescribed fees will apply.

Please refer to the following Bylaws for full and complete regulations around service connections, as well as MMCD standards details (shown below):

- Public and Private Sewer Usage Regulation Bylaw #363, 1995,*
- Water Regulation, Connection and Rates Bylaw #232, 1989,*
- Village of Pemberton Building Bylaw #867, 2019,*
- Cross Connection Control Bylaw #844, 2018*



	Lines are NOT be concealed, NOT covered, and NOT put into use at time of the inspection.		
	Water	Sanitary	Storm /Culvert
Size:			
Material:	Pipe: AWWA Certified : <input type="checkbox"/>	Pipe: Plumbing code certified?	
Depth / Grade:			
Length (from property line to foundation):			
Imported Bedding – on site, solid, firm, supporting entire length of pipe. (Y / N)			
Backfill Material – free from rocks, boulders, organic soils, frozen material, rubble/debris: (Y / N)			
Locations drawn on servicing plan: (Y / N)			
Pressure Test / Leak check: (PASS/FAIL)			

Site Servicing Plan Requirements

- Full lot footprint showing legal dimension on each side
- All Streets (with name) and Easements/Statutory Rights-of-Way
- Location of Building, and Driveway with offset and width from property line
- Ditch locations and culvert crossings
- Locations and offsets from property lines for all service connections (storm, sanitary, water) at property line and at building foundation and the path of utilities through property.
- Location of sanitary and storm inspection chambers ?
- Location of any existing manholes or catch basins within construction area
- Location of adjacent features such as Hydro pole, fire hydrants, water valves, sewer manholes or stormwater catchbasins