

1.0 General Section

The objective of the General Section is to provide:

- Guidance for Professionals, Developers, Builders and the General Public to aid in the standardization of the design and construction of municipal services for commercial, residential, institutional and industrial developments in the City of Quinte West

2.0 General

This document will be subject to revisions from time to time. The City of Quinte West reserves the right to make revisions having due regard for applications already in the review process. Individuals or groups affected accordingly will be notified by the City of Quinte West, and revisions will become effective on the date of notification.

The guidelines and standards found in the Sections and drawing Series of this manual should be followed whenever possible.

(Contents of this document are subject to change without further notice)

3.0 References

In addition to the standards specified in this manual, the Design and Report Standards shall give consideration to the following industry standards, specifications or publications:

Publications

- Ontario Provincial Standard Specifications
- Municipal Engineers Association – Municipal Works Design Manual
- Guidelines for the Design of Sanitary Sewer Works, Storm Sewers, Water Distribution Systems, Water Storage Facilities, Servicing in Areas Subject to Adverse Conditions, Water Supply for Small Residential Developments, Seasonally Operated Water Supplies
- Ontario Building Code

Standards

City of Quinte West Standard Drawings

- Series 600 – Transportation Standards

Permits/Approvals

- City of Quinte West Planning Department Site Plan Approval
- The Haliburton, Kawartha, Pine Ridge District Health Unit
- Development Charges By-law(s)
- Standard Site plan / Subdivision Agreement
- Building Permit

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5.0 Utilities

The developer shall coordinate the installation of utilities including (but not limited to) Hydro One, Cogeco Cable, Bell Canada, and Union Gas. It is the developer's responsibility to meet all requirements of Utility organizations and provide all necessary documents of such organizations to the Municipality prior to final approval of development drawings.

5.1 Layout

Public utilities on typical urban residential streets will normally be aligned in accordance with the applicable Standard Road Cross Section. Where the alignment is forced to deviate from those standard locations it shall maintain the horizontal separation as detailed below. All measurements between structures are the minimum permitted and measured near edge to near edge of structure.

Criteria	Condition	Location
Gas outside the joint utility trench		0.5 m from Property Line 0.5 m from Sidewalks
Joint Utility Trench		0.76 m from Property Line
Watermains	Located in Boulevard	4.5 m from Property Line
Sanitary and Storm Sewers	Straddle Road Allowance Centerline	Separated 2.13 meters from each other
Catchbasins	As per Standard Cross Section	1.0 m from any main, conduit, or service
Light Standards and Transformers		0.50 m from Sidewalks
Curb Stops		At Property Line
Fire Hydrants	Within Obstruction Free Zone set by City's Fire Department	0.3 m from Property Line

Separation between water and sewer mains shall conform to MOE Guidelines. Where due to construction in rock or Type 4 Soils it is proposed to use methods other than horizontal separation to protect the water main, all design of such works must be approved by the City of Quinte West prior to submitting an application for a C of A.

Clearance between pipe or conduit crossings shall normally be a minimum of 300mm between the outside pipe barrels. Where a clearance of 300mm or less cannot be avoided, there shall be concrete encasement or non-shrink backfill of the crossing extending one meter in each direction on each pipe.

5.2 Private Services

Water and sewer services may be laid in the same trench subject to the provisions of Ontario Building Code and MOE requirements. In such cases the horizontal separation between each service shall be 0.5m. All other utility services shall be separated 2.5m from water and sewer services measured from edge of structure. Sanitary and foundation/storm service drains shall capped and be clearly marked at the property line with a wooden 2X4 projecting above ground a minimum of 1.0 meters.

All buried water services shall have an appropriate warning tape laid on top of the cover material or no closer than 300mm of the top edge of the structure. Public Works shall approve such tape.

6.0 Easements

Utility infrastructure to be assumed by the City of Quinte West, which services more than one property shall be situated in either a road allowance or on property deeded to the City of Quinte West by easement or ownership. Easement documents shall be in the standard format prescribed by the City of Quinte West.

Easements shall be five (5) meters wide for a single utility main or line. Where more than one utility main or line is in a single easement, the easement shall extend to 3m beyond the outside edge of the outside mains or lines. Easements of less width will be considered for situations such as shallow rear yard catch basin connections, in which case the easement width shall not be less than 3.0 meters. All measurements are to be construed as being the perpendicular width. Regardless the separations as stated in the Public Utilities Act will not be compromised and sufficient width will be provided to allow for exposure of buried services using side slopes required by regulation and without the need for shoring.