

Appendix O

Vertical and Horizontal Clearance Guidelines

All Dimensions in Millimetres (mm)	Preferred Vertical Clearance	Preferred Horizontal Clearance
ELECTRICITY		
Hydro One Networks (Ontario Hydro)		
All infrastructure	1000	1000
Horizon Utilities Electric System		
Conduits	1000	1000
Hydro Chambers	1000	1000
City of Hamilton Street Lighting		
Street Lighting Duct	300	600
GAS		
Union Gas		
Gas main < 400mm (16") diameter	300	600
Gas main >= 400mm (16") diameter	600	600
Above-ground regulator stations	**	1000
ROAD		
General		
Clearance from road, curb, sidewalks	See MCR	500
Clearance from Catch Basins	**	500
Traffic Signals		
Traffic Signal Duct	300	600
Above-ground plant clearance from Controller Boxes	**	Front 1500 Side/Back 500
Above-ground plant clearance from Traffic Signal Poles		500

All Dimensions in Millimetres (mm)	Preferred Vertical Clearance	Preferred Horizontal Clearance
STEAM / CHILLED WATER		
Hamilton Community Energy		
Chilled Water Pipes	300	300
Steam Lines	600	600
TELECOMMUNICATIONS		
Bell Canada		
All buried infrastructure	300	600
Above-ground infrastructure	**	600
MTS Allstream (MetroNet, UniTel, AT&T, CNCP)		
All infrastructure	300	600
Rogers Cable Communications		
All infrastructure	150	600
Telus Communications		
All infrastructure	300	600
Cogeco		
All infrastructure	300	600
Source Cable		
All infrastructure	300	600
TREES		
Refer to MCR Appendix F		

All Dimensions in Millimetres (mm)	Preferred Vertical Clearance	Preferred Horizontal Clearance
WATER		
Water Supply		
Inside Diameter < 100mm	300	1200
100mm <= Inside Diameter < 400mm	300	1200
Inside Diameter >= 400mm	300	1200
Valve Chamber	2000	2000
Fire Hydrants		
Refer to MCR Appendix P (pages 4 & 5)		
Wastewater - Storm (incl. CB and sub-drain)		
Inside Diameter < 150mm	300	1200
150mm <= Inside Diameter < 750mm	300	1200
Inside Diameter >= 750mm	300	1200
Maintenance Hole	300	1200
Wastewater - Sanitary / Combined		
Inside Diameter < 100mm	300	1200
100mm <= Inside Diameter < 375mm	300	1200
Inside Diameter >= 375mm	300	1200
Maintenance Hole	300	1200

* Preferred clearances may be reduced with the written permission of the affect plant owners(s)

** Clearance above and below to be determined on a case-by-case basis