

- Clearance Notes:
- The indicated clearances are minimums and shall be interpreted to be measured from the outermost edge of the existing plant to the outermost edge of the proposed plant.
 - Exemptions from the minimum clearances may be granted, at the discretion of the affected plant owners and the approval of the General Manager, acting reasonably.
 - (*) Preferred clearances may be reduced with the written permission of the affected plant owner(s).
 - (**) Clearance above and below to be determined on a case-by-case basis.

Required Minimum Depth of Cover		
Infrastructure Type	Notes	Depth of Cover (mm)
Curb Road	If a third-party utility plant is installed under the road, sidewalk, or within 1.0 m of the back of the curb/sidewalk, or within 30 m of an intersection.	1000
	If no other feasible alternative is available and the third-party utility plant must be installed directly beneath the curb and gutter, the depth of cover shall be measured from the top of the road surface.	1300
Uncurbed Road	On uncurbed roads, the minimum depth of cover is measured from the road centreline or 0.6 m below the lowest adjacent ditch, whichever is greater.	1300
Boulevard	Except as noted above, the minimum depth of cover applies to all street’s boulevards.	600
Tree Protection Zone	The required depth of cover shall be maintained within the TPZ.	1500
	The depth of cover shall be provided if installed by directional boring.	1200

Minimum Horizontal & Vertical Clearances				
Municipal Infrastructure			Preferred Vertical Clearance (mm)	Preferred Horizontal Clearance (mm)
Transportation Services	Public Highways	Street Line	**	300
	Pavements	Roads	1000	500
		Sidewalks		
		Curbs		
	Traffic Signals	Traffic Signal Duct	30	600
		Above-ground plant clearance from Controller Boxes	**	Front 1500
		Above-ground plant clearance from the Traffic Signal Poles		Sidewalk/Back 500
	Roads Emergency Services Communication (RESCU)	All infrastructure	300	600
		RESCU CCTV Cameras	1000	2000
	Roadside Ditches	Horizontal clearance from the edge of the ditch slope	**	500
Toronto Water	Water Supply	Inside Diameter < 100mm	150	600
		100mm <= Inside Diameter < 400mm	300	750
		Inside Diameter >= 400mm	500	900
		Valve Chamber	**	600
	Fire Hydrant	Above-ground plant clearance from the hydrant	**	1200
		Buried plant clearance from Hydrant (incl. lead and valve)	400	1500
	Wastewater-Storm Sewers (incl. CB and sub-drain)	Inside Diameter < 150mm	150	600
		150mm <= Inside Diameter < 750mm	300	750
		Inside Diameter >= 750mm	500	900
		Maintenance Hole	**	600
		Clearance from Catch Basins	**	500
	Wastewater Sanitary / Combined Sewers	Inside Diameter < 100mm	150	600
		100mm <= Inside Diameter < 375mm	300	750
		Inside Diameter >= 375mm	500	900
		Maintenance Hole	**	600

Urban Forestry	Street Trees	Refer to Appendix F: Tree Protection Policy
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Transit Infrastructure	Toronto Transit Commission (TTC)	Streetcar Track Allowance (Note: TTC review is required when the work is within the TTC infrastructure Influence Zone.)	600	500
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Utility Infrastructure			Preferred Vertical Clearance (mm)	Preferred Horizontal Clearance (mm)
Electricity	Hydro One Networks (Ontario Hydro)	All infrastructure	1000	1000
	Toronto Hydro Electric System	Conduit	300	600
		Hydro Chambers	**	600
		Poles	**	1000
		Padmount or submersible/splice vault– grounding located outside structure	**	1400
	Toronto Hydro Street Lighting	Streetlighting Duct	300	600
Gas	Enbridge Gas Distribution Inc.	Gas Main NPS 12 (300 mm) and Less - Open Trench Method	300	600
		CER Regulated Pipelines and Vital Mains - Open Trench Method	600	1000
		All Pipelines - Directional Drilling/Boring Method	1000	1000
		Regulator Stations	**	1000
Telecom	Rogers Communications	All Infrastructure	300	600
	Shared Fibre			
	Telus Communications			
	Zayo Group			
	Group Telecom (360 Networks)			
	Activo			
	Videotron Telecom (Stream Networks Inc)			
	Beanfield			
	Bell Canada	Direct buried, or non-concrete encased Conduit	300	600
		Above-ground infrastructure	**	600
		Manholes	1000 from the floor of the manhole	1000 from the outside edge of the walls
		Conduit	600 from the bottom edge of the conduit (concrete encased)	600 from the outside edge of the conduit
	Metro Fibrewerx	All Infrastructure	500	500
District Energy System	Enwave Energy Corporation	Chilled Water Pipes	300	300
		Steam Lines	600	600