

# Appendix F Water Services Feature Classes

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The below table lists the assets maintained by the Water Distribution Branch, which are represented as feature classes in the Asset Registry System.

Water Main, Valves, and Hydrants are mandatory items for inclusion in the OMS. There are 2, 600 KMs of Water Main pipes currently in operation. All other assets may eventually come into scope as the OMS platform is leveraged over time to meet other business needs.

Asset Name	Quantity	Definition
Water Main	86,000 segments	The Water Main network is comprised of individual segments of varying size, length, and/or material. These are small pressurized pipes to convey water to hydrants and service pipes. Most Water Mains are City-owned and operated.
Hydrant Valve	22,000	Shut-off valve to control flow to a fire hydrant. The City does not operate, inspect, or maintain privately-owned hydrant valves.
Sprinkler Valve	400	Shut-off valve to control flow in a sprinkler pipe. These are privately owned, but City operated.
Water Main Valve	30,000	Shut-off valve to control flow in a Water Main. These are City-owned and operated. The City may operate valves to control water to a private Water Main.
Hydrant	22,000	Device connected to the Water Main to provide water for firefighting. The City does not operate, inspect or maintain privately owned hydrants.
Service Connection	150,000	Connection point of service pipe to Water Main.
Service Pipe	150,000	Very Small pressurized pipe to convey water to water meter typically inside building. May be comprised of multiple segments.
Sprinkler	-	A dedicated service pipe to provide water (typically to a

		commercial property) for the purpose of fire suppression.
Curb Stop	200,000	Shut-off valve to control flow in a service pipe. These valves are City-owned and operated.
Ground Strap	2,500	A copper cable where one end is affixed to a service connection and the other is at or near ground level. Used for thawing metallic pipes by inducing a current.
Water Meter	200,000	Device designed to measure and record the volume of water used. These are typically located inside a building.
Water Tank	10	1450 Litre tank of potable water mounted on a tow-behind trailer made available for a limited amount of time, typically used when a Water Main is off.
Repair Marker	700 per year	A visible representation in the City's Geographic Information System (GIS) to locate a repair on a Water Main. Repair Markers are not physical assets.