



TOWN OF WINDSOR FACT SHEET

SUBJECT: METAL DOOR & STAIRCASE GOING UNDERGROUND ON KING ST. AND ANTENNA (PRESSURE REDUCTION VALVE CHAMBER & RADIO COMMUNICATIONS)

DATE OF FACT SHEET: JULY 25, 2017

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Q: My question is about the horizontal metal door on king street that opens to a staircase going underground... Is it just sewer access, or some kind of water pump room maybe? And what is the large antenna right beside it? Are the underground access and the antenna related? Does the antenna receive or broadcast signal, or both? I realize this may be two separate unrelated lines of questioning, but we assumed they were connected somehow, just based on how close they are. Thanks for your help in advance.

A:

- **Chamber (Horizontal Metal Door):** This is a Water Pressure Reduction (PRV) chamber. We have two of these chambers in Town. One located on King Street at the top of Wentworth St and the other at Clifton Ave.
- The PRV chambers were installed to lower the water pressure in the downtown area to reduce main breaks and lower water consumption. Previously the water pressure in some areas exceeded 100 PSI creating unnecessary leakage and pipes breaks in the system. The pressures currently are in the 70 - 80 PSI (pounds per square inch) range.
- **Antenna:** The antenna is for radio communications to the water treatment plant SCADA (Supervisory Control and Data Acquisition) system. This allows water utility staff to monitor how the PRV chambers are operating.
- Data is continuously collected 24/7 by instruments measuring water flow, water pressure, along with many other water quality and control parameters.

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