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## Proposed Gateway Water Meter Reading Antenna located at Symphony Village

### History of the Gateway system

Prior to the current system, meter reads were a drive by and/or touch read system. This approach requires one of the Town staff to manually upload the meter read data into a device and drive within the community limits to pick-up receiving device or physically walking and touch the meter lid with a data collection device. If follow up reads were required or requested staff would have to repeat the process. The Gateway system allows office staff to get the reads directly on their computer without the need for additional staff to drive by or touch read individual meters.

### Gateway Additional capabilities

When the system is fully built out, the town we have the capability to move to monthly utility billing verses quarterly billing. This will help customers pay a smaller monthly payment as opposed to a larger quarterly payment. This system also allows staff to remotely receive usage history for the life of the meter. (Approximately 10 years) With future expansion of software which is planned in the next year or so, customers will have a portal to log into their account and view real time usage.

### The need for this 4<sup>th</sup> antenna

This antenna is needed to remotely read the water meters throughout Symphony Village and is an extension of the existing Gateway system the Town currently has in place with antennas on the North Brook Water Tower, the water tower behind the Fire Department, and the tower at the Water Treatment Plant on Comet Drive. This current system will not pick up the meter reads from most of Symphony Village due to the distance from the Comet Drive antenna.

### Antenna Options

Two options are considered for this antenna and its location. The first is somewhat intrusive and not in the optimal location, which is at the wastewater pumping station located at 186 Symphony Way near pond 1. The antenna would require a three-legged truss type tower antenna 80' tall. This location is not the optimal location and may not pick up all the meters on the south side of Symphony Village. The second option is for a flagpole in the center of the traffic circle at the intersection of Symphony Way and Orchestra Place. The flagpole would be 80' to 100' tall and approximately 14" in diameter at the base, with a 5' tall antenna on the top. There would be a pedestal with an electric service and a few small pieces of equipment located near the base next to the flagpole.