

# Identifying And Locating Existing Backflow Prevention Devices Inside A Building Using Bluetooth Smart Technology

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**Abstract:** One of the largest problems that water purveyors or administrators of a cross connection control program have is identifying locations of existing backflow prevention devices and cataloging the specific location inside a building. Traditional GPS technology does not work accurately enough to fulfill this requirement. So I asked myself a simple question, Is there any current off-the-shelf technology that could mitigate this problem? And the answer was yes, Bluetooth BLE tags also known as Bluetooth smart tags have the ability to adapt to a mobile device and give specific locations of devices within buildings. Using our current GIS platform as a standard baseline and then mapped each coordinate point through our map office platform to identify specific attributes of the distribution system that needs to be tracked. Let's extrapolate the concept out even further let's say you'd like to find where you left a piece of equipment? Sensor technology is the new hottest thing happening with our partnerships we will show you real world case study application of how this technology to work for you and your water Department.