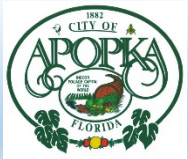


Cross Connection Program Update

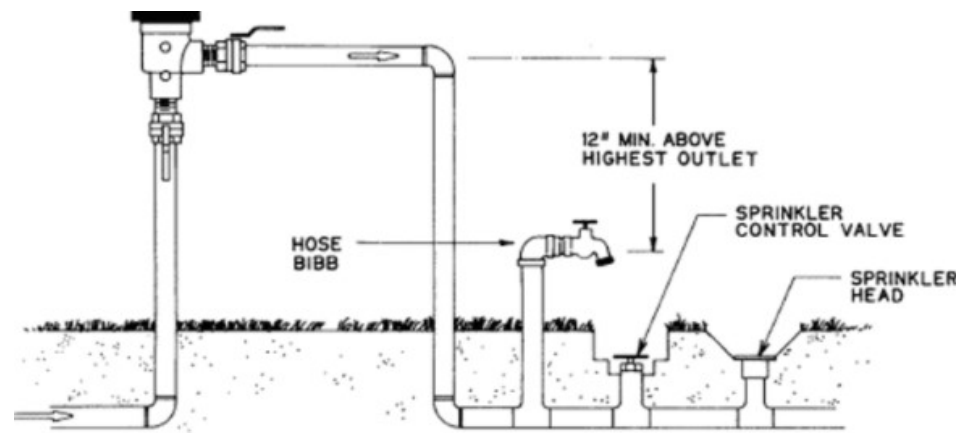
February 16, 2022

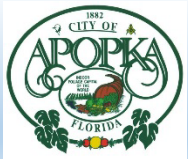


Cross Connection Program Update

What is a Cross Connection?

Cross-Connection is a point in a plumbing system where it is possible for a non-potable substance to come into contact with the potable drinking water supply. Common examples of a cross-connection include a garden hose submerged into a container with potentially contaminated water or a direct connection to a storage reservoir or well water. If there is the possibility of a cross connection the city requires a backflow preventer to protect the main water supply.

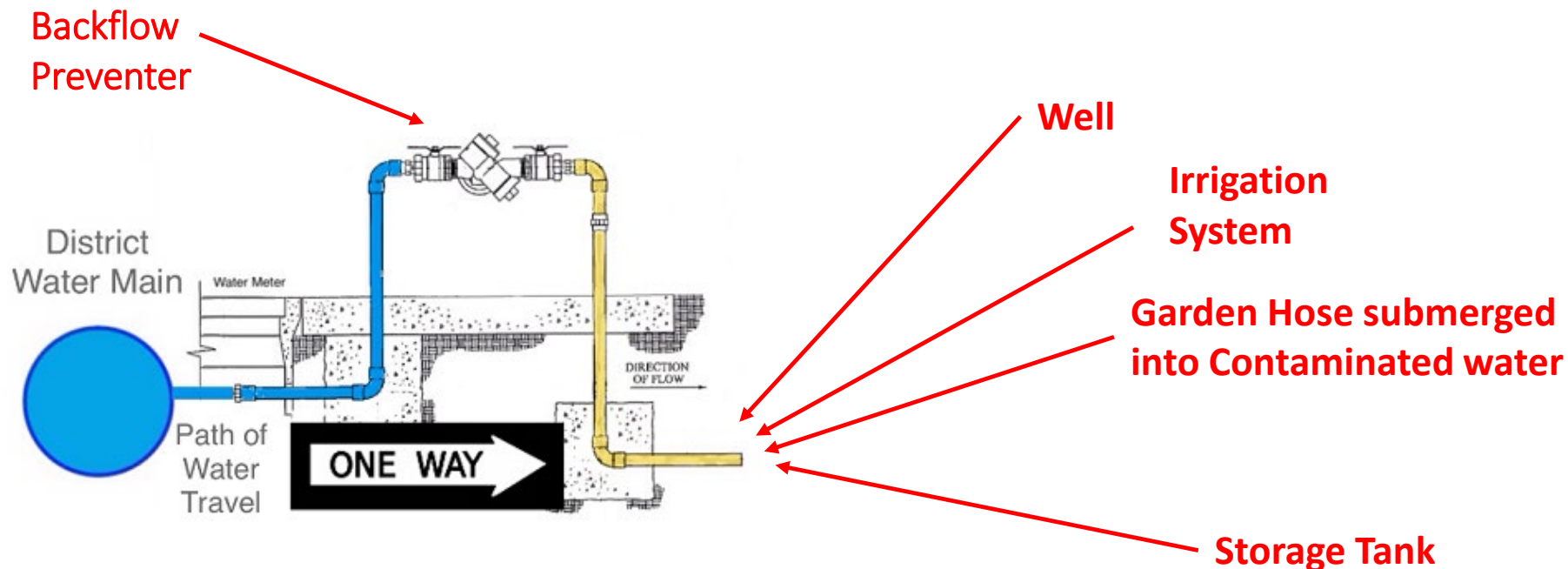


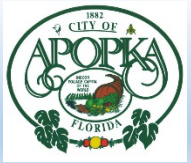


Cross Connection Program Update

What is a backflow preventer?

Back flow preventers protect the City's main water supply from possible contaminants. It stops water from residential, commercial, and industrial sites from flowing back into the main supply line.

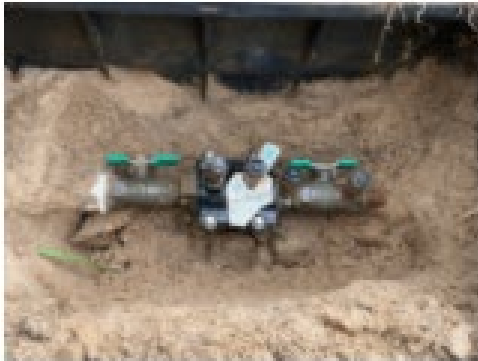




Cross Connection Program Update

Types of Residential Backflow Preventers

Wilkins Double Check



Meter with Dual Check Device

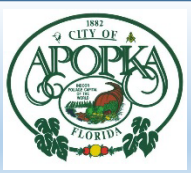


Pressure Vacuum Breaker



975XL2 Reduced Pressure





Cross Connection Program Update

Chronology of City's Cross Connection Program

2014

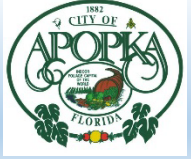
- Existing Rule 62-555.360 was revised and finalized.

2016 -2018

- FDEP Rule required submittal of annual cross connection reports beginning in 2016
- City did not submit annual reports for 2016, 2017 or 2018
- FDEP did not send any notice that annual reports were not submitted

2020

- FDEP audited of City's water treatment plant
- FDEP informed the City that 2019 cross connection report had not been submitted
- City submitted the 2019 report to FDEP to comply with their request.

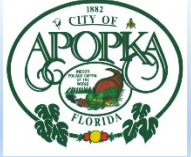


Cross Connection Program Update

Chronology of City's Cross Connection Program

2021

- Binion Road Sewage Spill occurred on May 27, 2021
 - 23,563 gallons of sewage spilled
 - 17,563 of sewage spill was recovered
- FDEP Consent Order
 1. Mitigation for Sewage Spill
 - \$500 Administrative Fine to be paid by the City
 - Required to implement a Pollution Prevention Project:
\$35K Electric Vehicle + Electric Charge Station
 2. Distribute a risk assessment survey to customers
 3. Revise cross connection ordinance and manual,
FDEP submittal deadline was December 31, 2021
 4. Notify all residential customers of cross connection testing requirements,
FDEP Submittal deadline was January 31, 2022



Cross Connection Program Update

Chronology of City's Cross Connection Program

2021 Cont.

October 2021

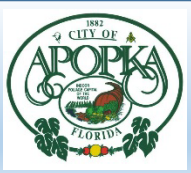
- 24,597 Surveys were mailed to all residential customers
- 1,485 Surveys were received from residential customers

December 15, 2021

- City of Apopka cross control ordinance and manual were revised and adopted

December 2021

- Mailed commercial customers notification of testing requirements



Cross Connection Program Update

Chronology of City's Cross Connection Program

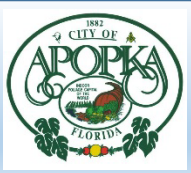
2022

January 2022

- Mailed a portion of residential customers notification of testing requirements
- FDEP approved an extension of notice to residential customers to February 11, 2021

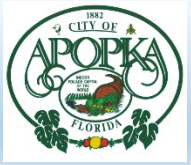
February 11, 2022

- All revised notification of testing requirements mailed to residential customers



Summary

- **City has Met all FDEP Consent Order Requirements**
 1. Administrative fees paid by the City, Electric Vehicle + Charging Station Purchased
 2. Distributed risk assessment survey to customers
 3. Amended the cross connection ordinance and manual
 4. Notified all residential customers of cross connection testing requirements



Moving Forward

- Approved Backflow Test Contractors has been provided to all Customers
- Residential Customers may elect to have the City perform
 - Required backflow testing (approximately \$60.00)
 - Repair (cost will be itemized based on site-specific needs)
 - Conversion of backflow device (will cost \$300.00)
- City Performed Services will be billed in 3 equal installments

