

**Onondaga County Legislature**

**Environmental Protection Committee**

**Jeff Brown, Executive Director**

**August 18, 2026**



# Lake Ontario Water Supply Improvements

- 2018 Raw Water & Clear Water pump station renovations \$14M
  - 2019 Raw Water & Clear Water pump station electrical substation renovation (backup generation added) \$ 9M
  - 2021-2025 Water Treatment Plant renovation \$43M
  - 2023-2024 Raw Water transmission main inspection \$ 1M
  - 2024-2026 Farrell pump station expansion \$ 6M
  - 2025-2028 Finished water storage replacement/enlargement \$51M
- \$124M

# Lake Ontario Water Treatment Plant Renovation



# Lake Ontario Water System Capacity vs. Demand

Current  
System  
Capacity  
(MGD)

48-62

Current  
Average  
Day  
Demand

18

Current  
Max Day  
Demand

33

Projected  
Regional  
Max Day  
Demand  
(2037)

60

Current  
Excess  
Capacity  
for  
Regional  
Growth

15

Additional  
Capacity  
Needed to  
Supply  
Projected  
Demand

12

**Micron/Regional Growth Planned Improvements**

The map illustrates the planned water infrastructure improvements for the Micron/Regional Growth project. Key features include:

- OCWA Pipelines:** Represented by blue lines, showing the main transmission and distribution network.
- City of Syracuse Pipelines:** Represented by black lines, showing the existing municipal water system.
- Water Facilities:** Indicated by blue and black dots, color-coded by utility. These include various pumping stations (PS), tanks, reservoirs, and treatment plants.
- Planned Improvements (Highlighted in Red):**
  - Parallel RW Main:** A new main line connecting the Raw Water Pumping Station (RWPS) to the Lake Ontario Water Treatment Plant & Clear Water Pumping Station (PS).
  - Clearwell Expansion:** Expansion of the clearwell capacity at the Lake Ontario Water Treatment Plant & Clear Water PS.
  - Pumping Station Expansion at Terminal Campus + Flow Control Modifications:** Expansion and modifications to the Terminal Campus Pumping Station.
  - Partial Parallel 54" Transmission Main:** A new 54-inch transmission main connecting the Western Branch Pipeline to the Central Branch Pipeline.
  - Add 54" Parallel Line Eastern Branch to Micron:** A new 54-inch parallel line connecting the Eastern Branch Pipeline to the Micron facility.

The map also shows the surrounding regions: OSWEGO, FAIR HAVEN, FULTON, CATO, BALDWINVILLE, WEEDSPORT, PORT BYRON, AUBURN, SKANEATELES, ONONDAGA, MADISON, and ONEIDA. Major water bodies include LAKE ONTARIO, ONEIDA LAKE, and OTISCO LAKE.

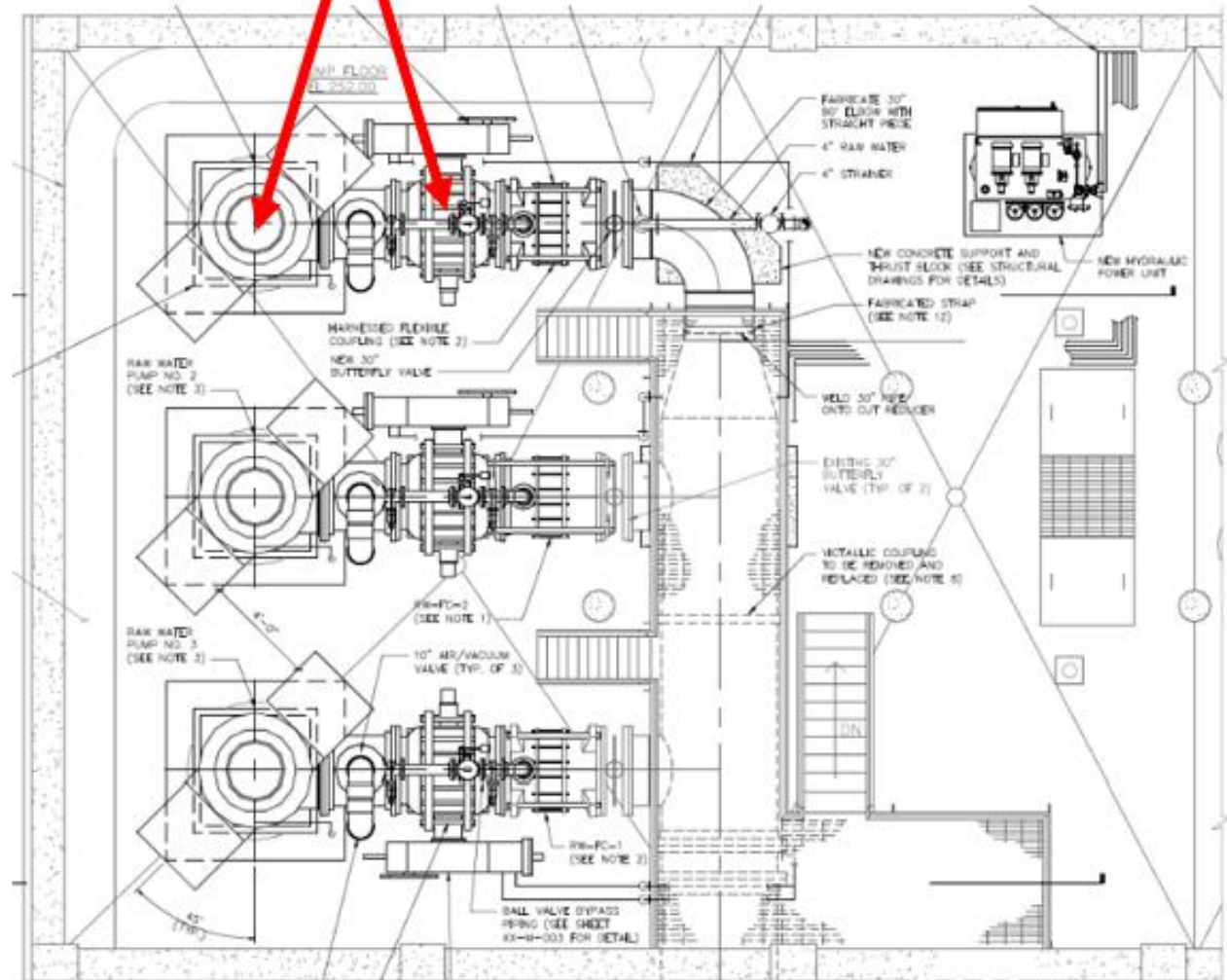
**LEGEND**

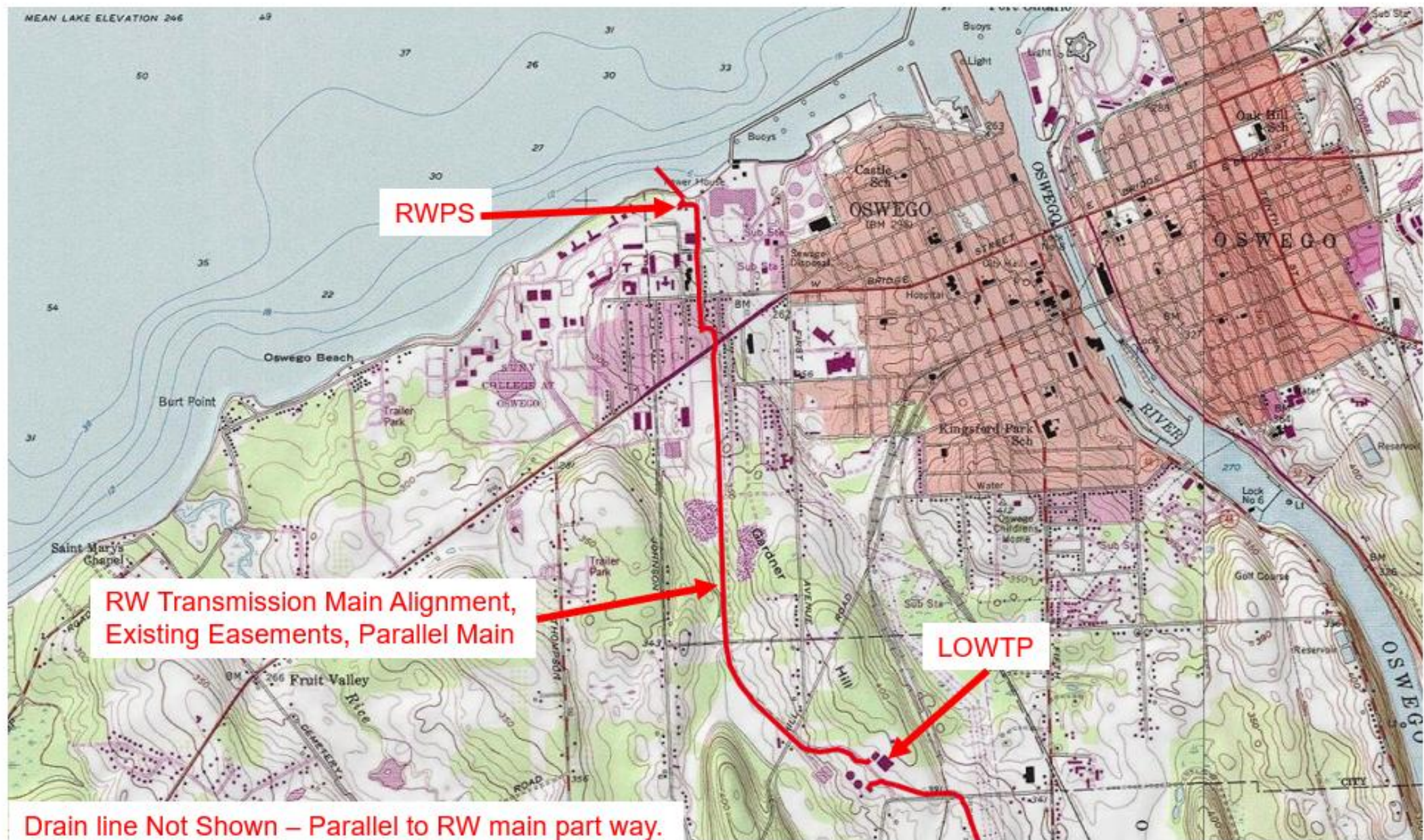
-  OCWA Pipelines
-  City of Syracuse Pipelines
-  Water Facilities  
(Color Coded by Utility)

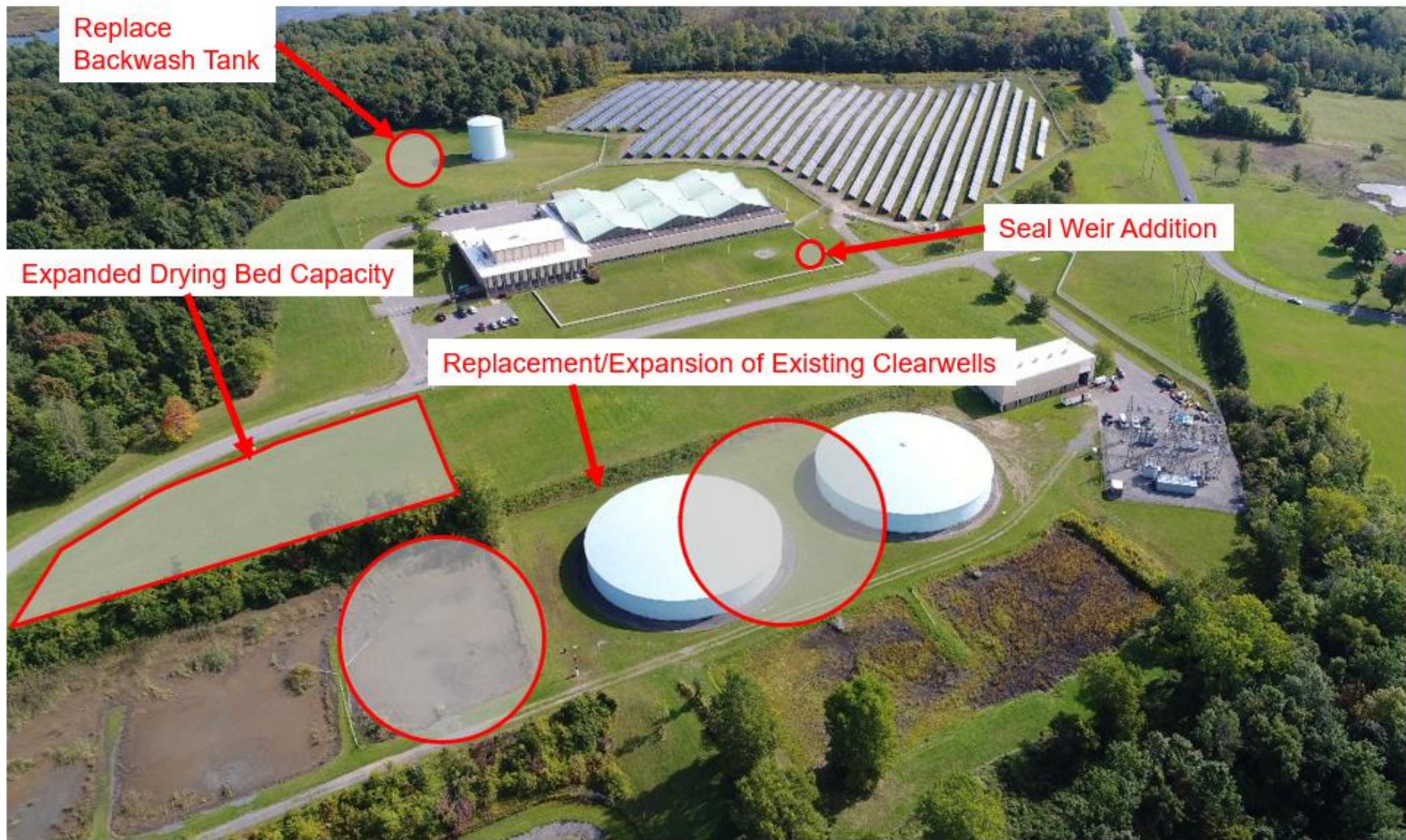
 OCWA Pipelines  
 City of Syracuse Pipelines  
 Water Facilities  
 (Color Coded by Utility)



Replace pumps, valves, and  
drives with larger equipment  
(x3)







Replace  
Backwash Tank

Seal Weir Addition

Expanded Drying Bed Capacity

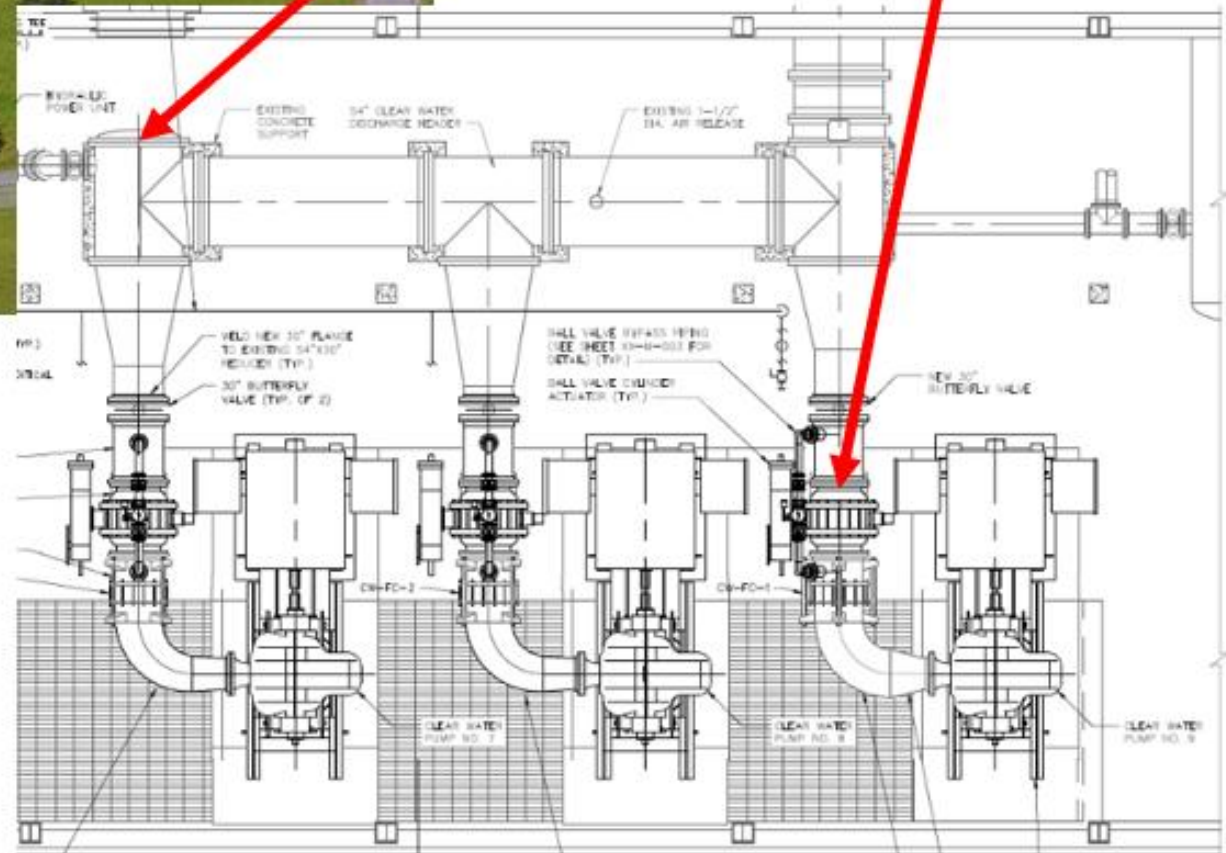
Replacement/Expansion of Existing Clearwells

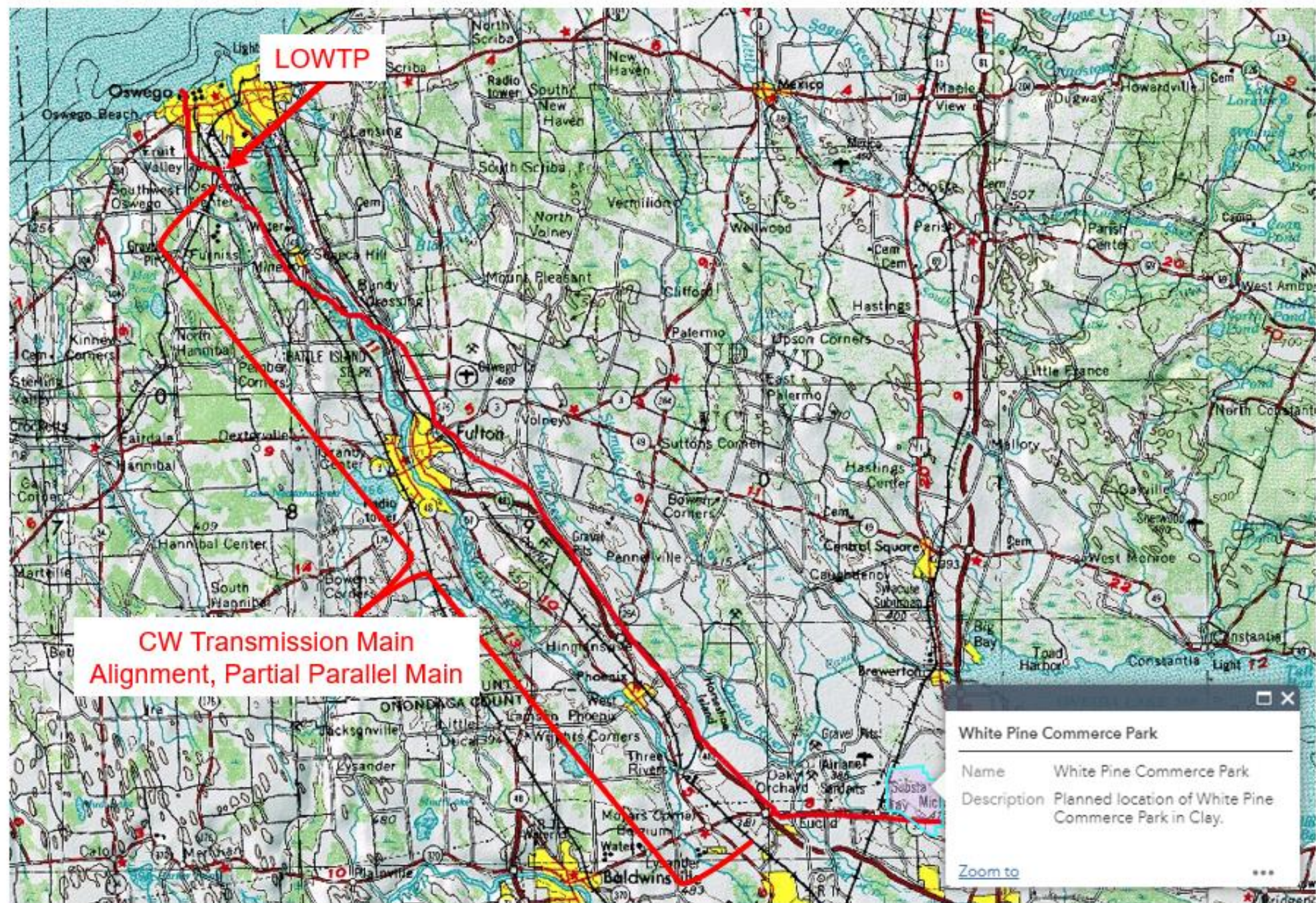


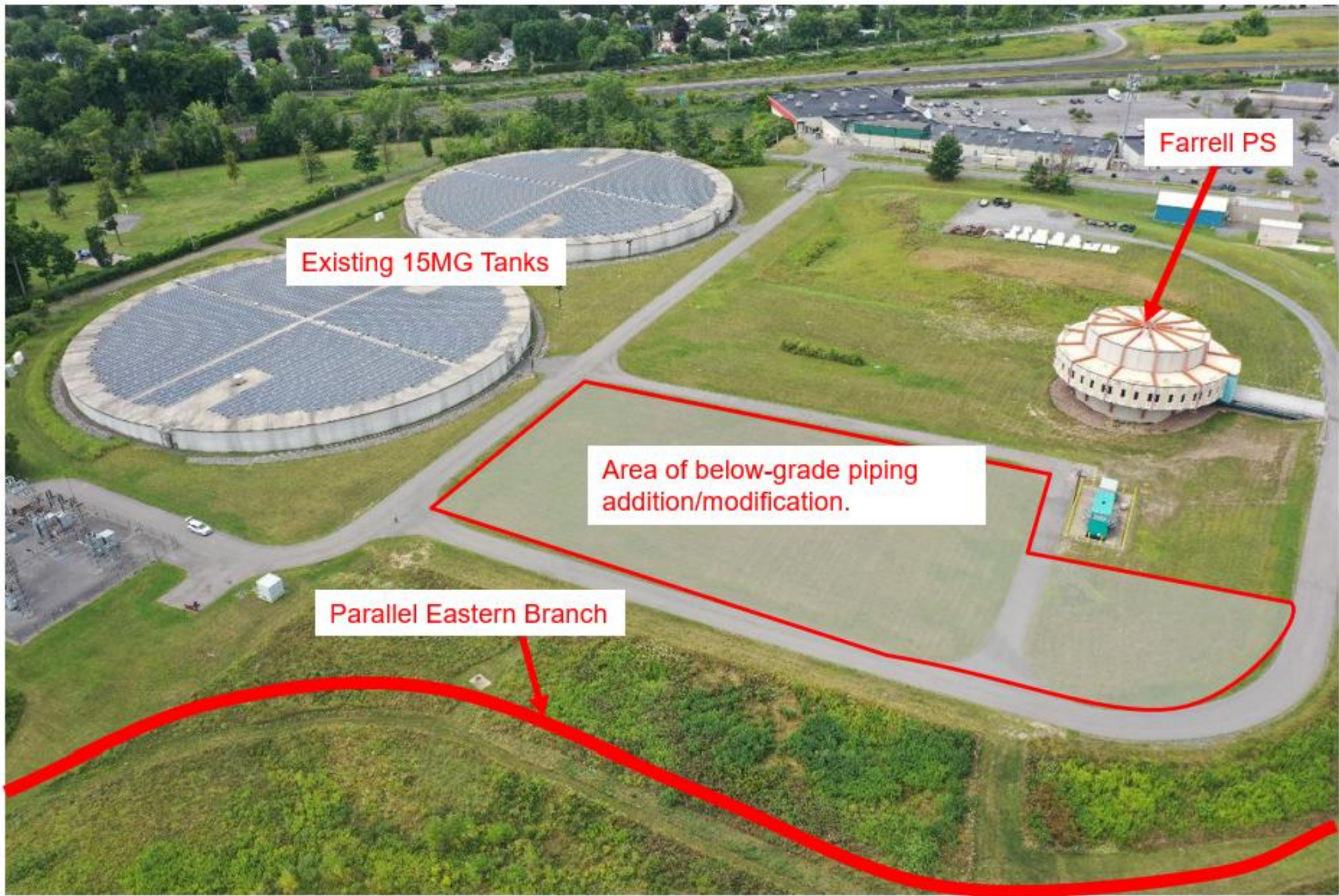
Existing CWPS

Second transmission main  
connection point

Modify pumps, drives,  
valves, and controls (x3)





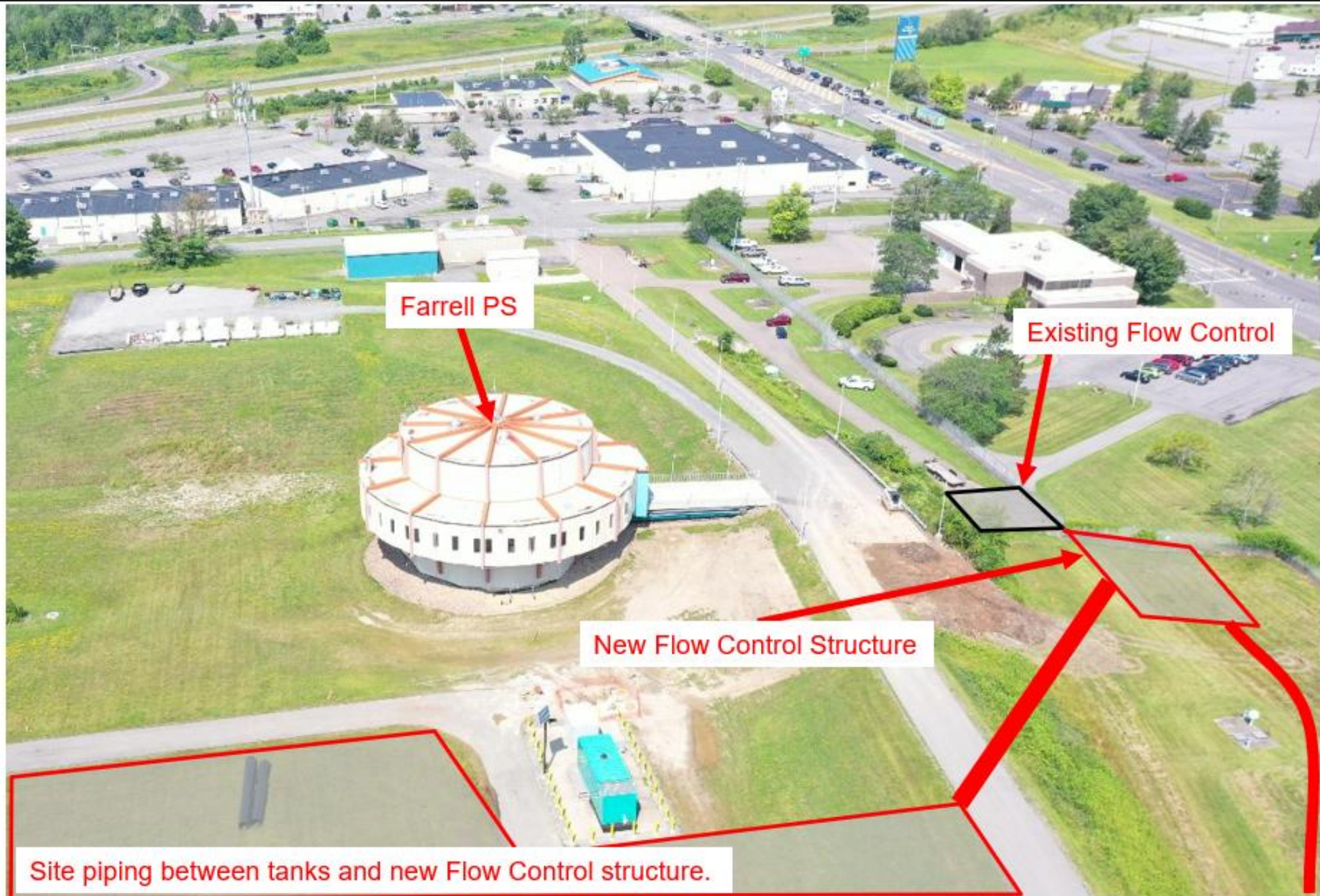


Existing 15MG Tanks

Farrell PS

Area of below-grade piping  
addition/modification.

Parallel Eastern Branch

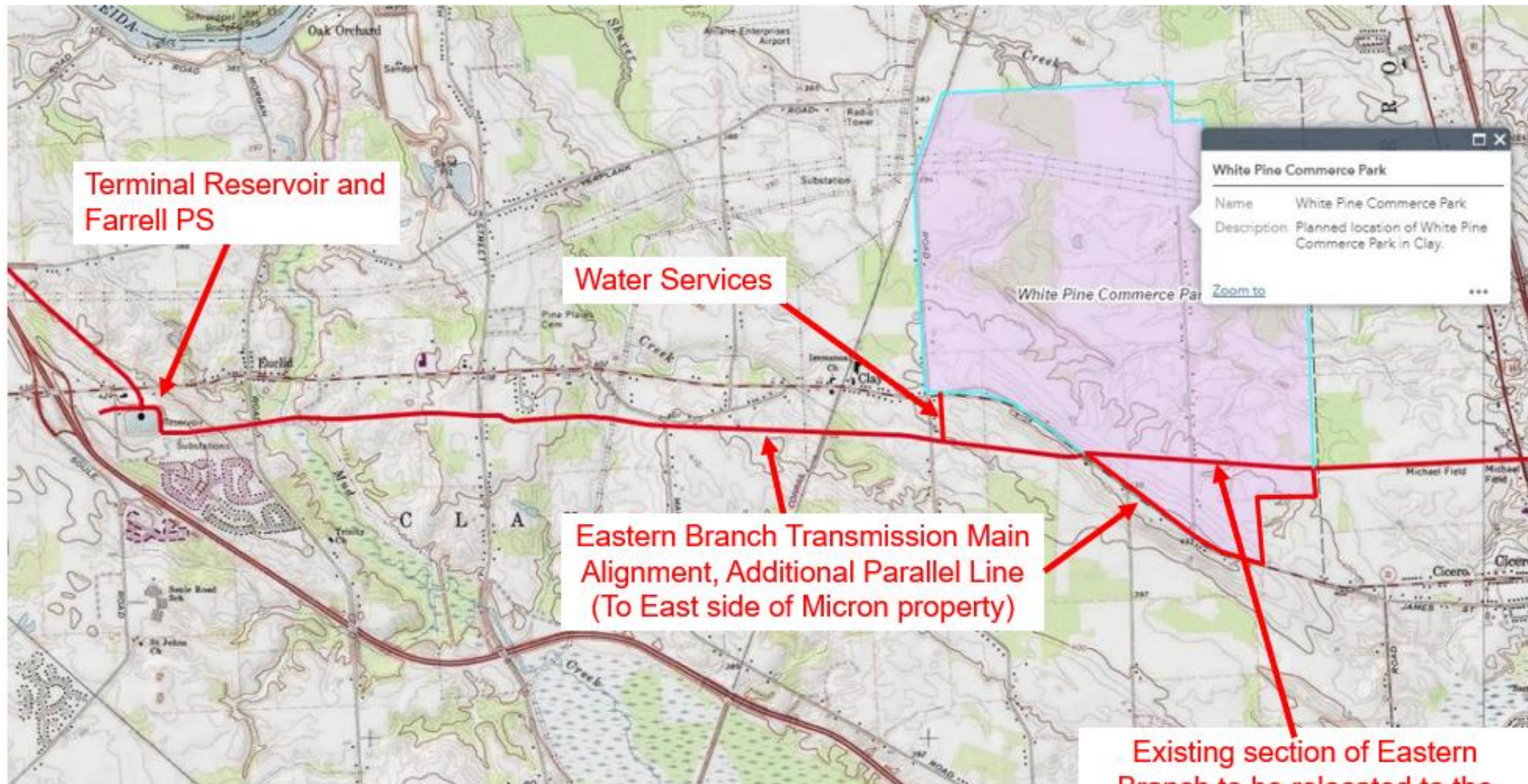


Farrell PS

Existing Flow Control

New Flow Control Structure

Site piping between tanks and new Flow Control structure.



Terminal Reservoir and Farrell PS

Water Services

Eastern Branch Transmission Main Alignment, Additional Parallel Line (To East side of Micron property)

Existing section of Eastern Branch to be relocated to the South for Phase 2 (only after new line is in service)

White Pine Commerce Park

|             |                                                       |
|-------------|-------------------------------------------------------|
| Name        | White Pine Commerce Park                              |
| Description | Planned location of White Pine Commerce Park in Clay. |

[Zoom to](#) \*\*\*



*A river in Steuben County which runs into their drinking water supply. Some residents believe the river is contaminated with PFAS. (Emily Kenny/Spectrum News 1)*

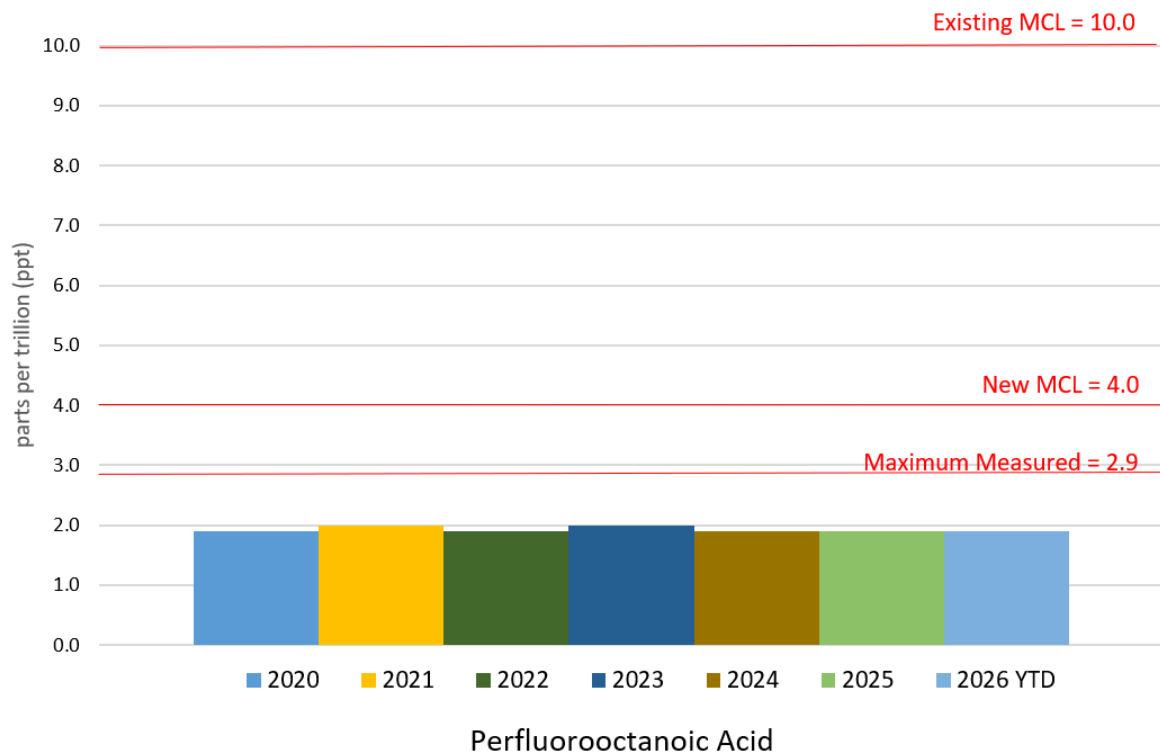
PUBLIC SAFETY

## A look at how New York monitors PFAS in drinking water

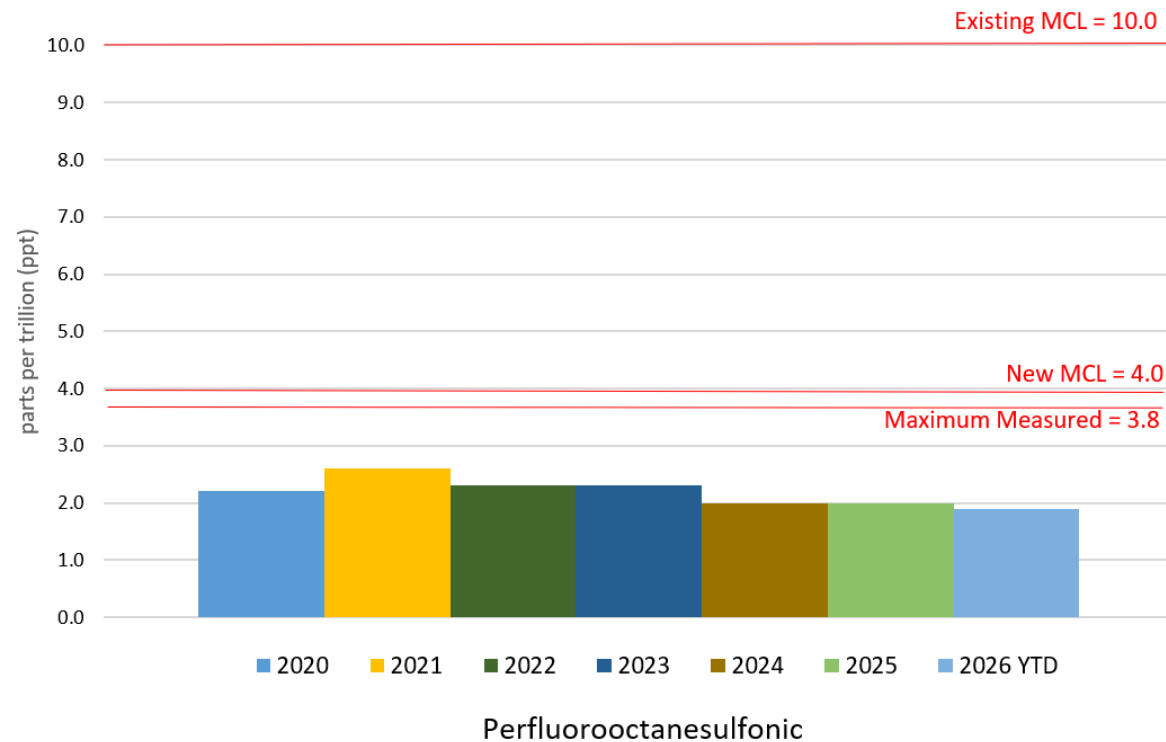
# PFAS Detection Levels in Lake Ontario

## 2020-2026

### PFOA Average Levels



### PFOS Average Levels



# Questions?

