



# **(V) Elbridge - (T) Elbridge - (V) Jordan Joint Water System Improvements Project**

## **Public Information Meeting Village of Jordan Library**

June 14, 2021

**Barton & Loguidice, D.P.C.**

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- Background
- Capital Improvements Project
- Funding Analysis
- Schedule
- Project Status
- Questions



- Existing Infrastructure Concerns
  - Aging Water Mains
  - Under-sized Water Mains
  - Chlorine Residual
- Resource Limitations
- 50-year Plan



## **Base**

- Improvements to existing infrastructure including water main, valves and hydrants

## **Source**

- Improvements to City of Syracuse connection, third conduit connection
- 0.4 MG Standpipe at UV Facility
- Pump Station at UV Facility
- 0.2 MG Elevated Tank at Upper Reservoir Site
- Upgrade Pump Station at Upper Reservoir Site (Hamilton Rd)
- Strategic replacement of 6" main to 8", 12" main

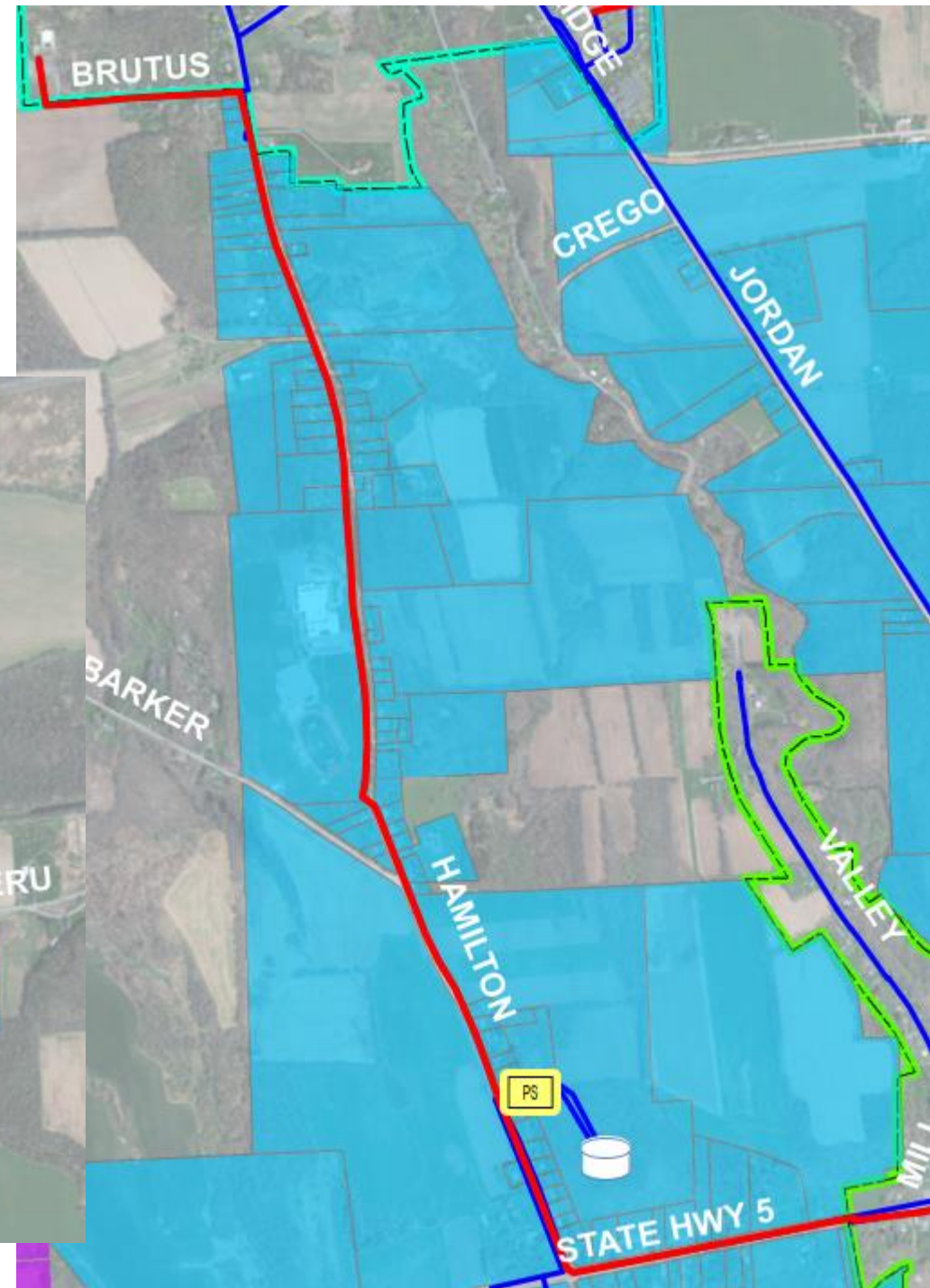
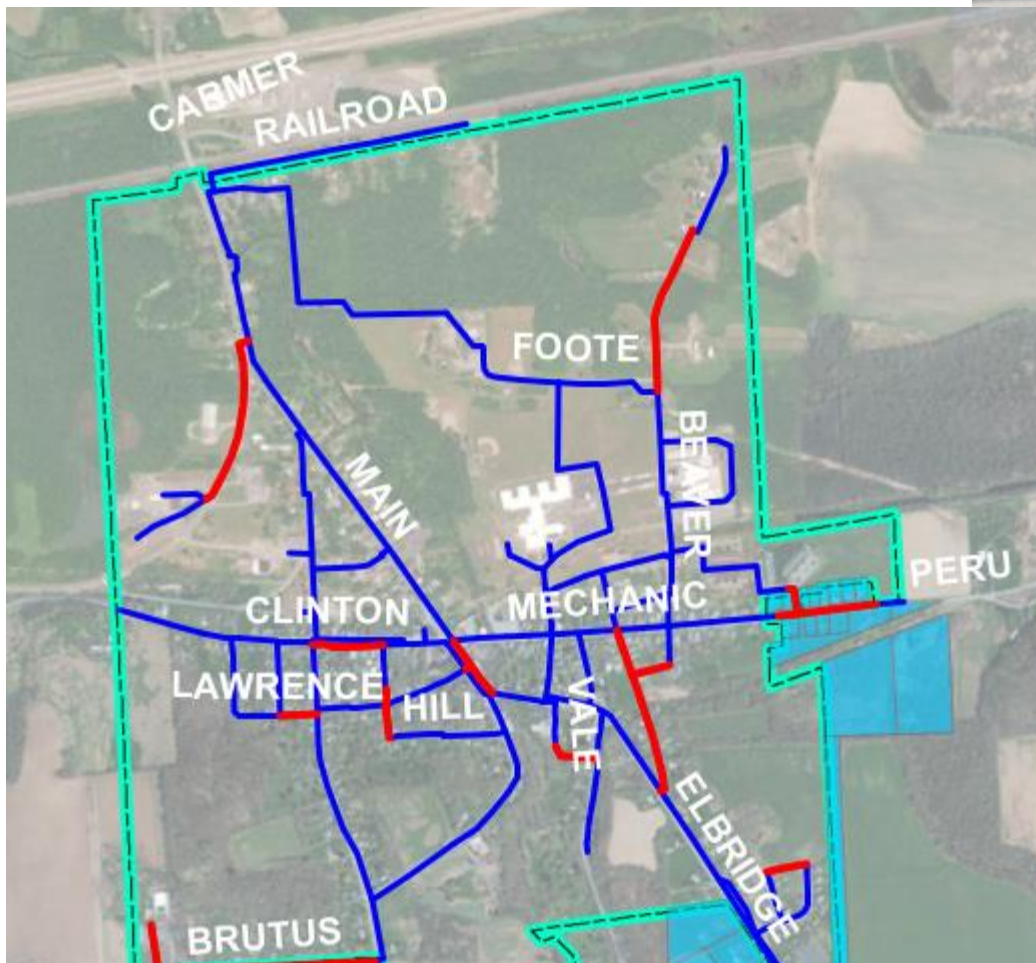
## **Extension**

- Extend public water system to Champions Mobile Home Park
- Address documented water quality violations

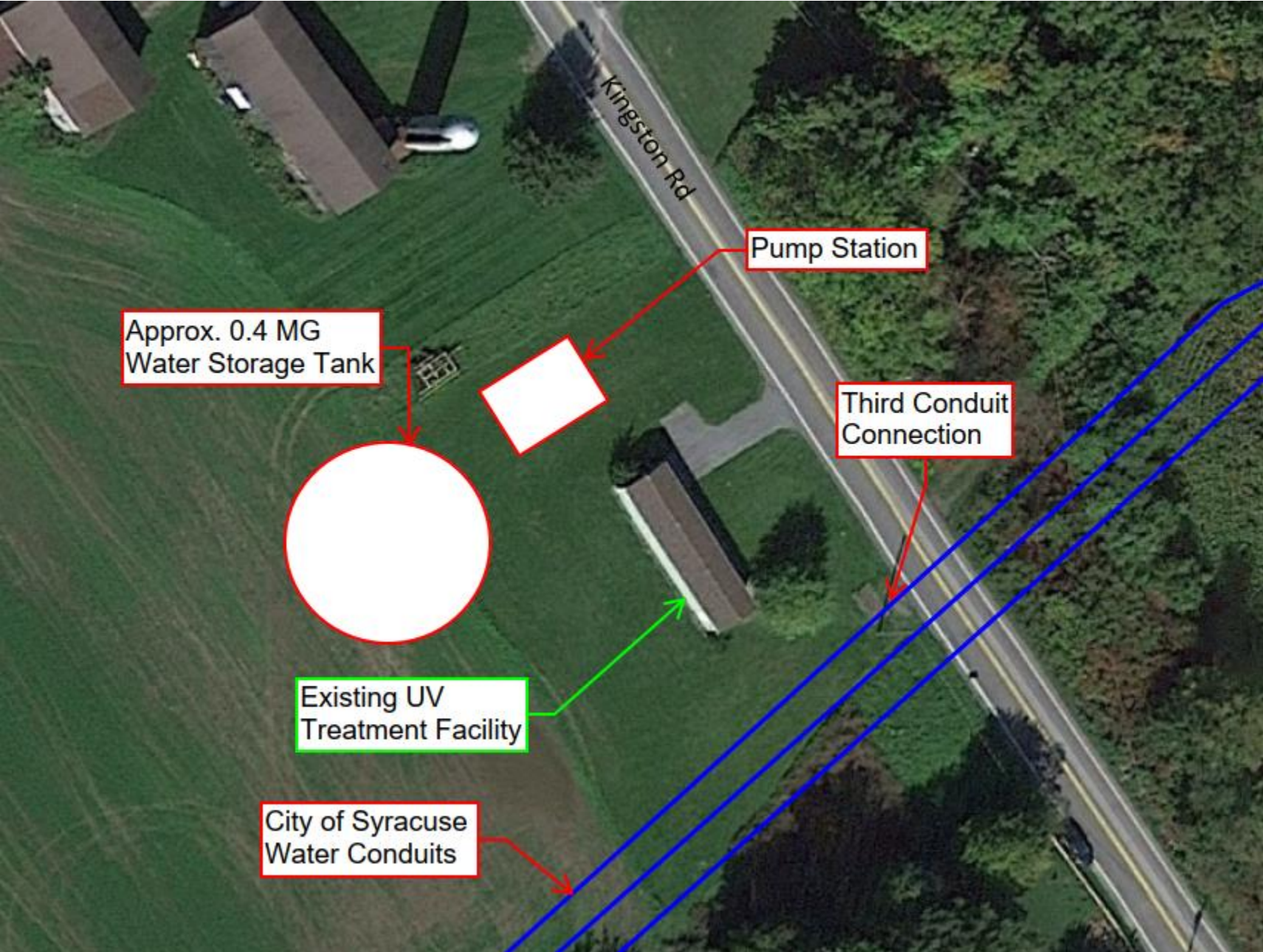
# Distribution Improvements

Replacement of aging water mains and strategic upsizing for system improvements.

- Blue – Existing Water Main
- Red – Proposed Water Main Replacement



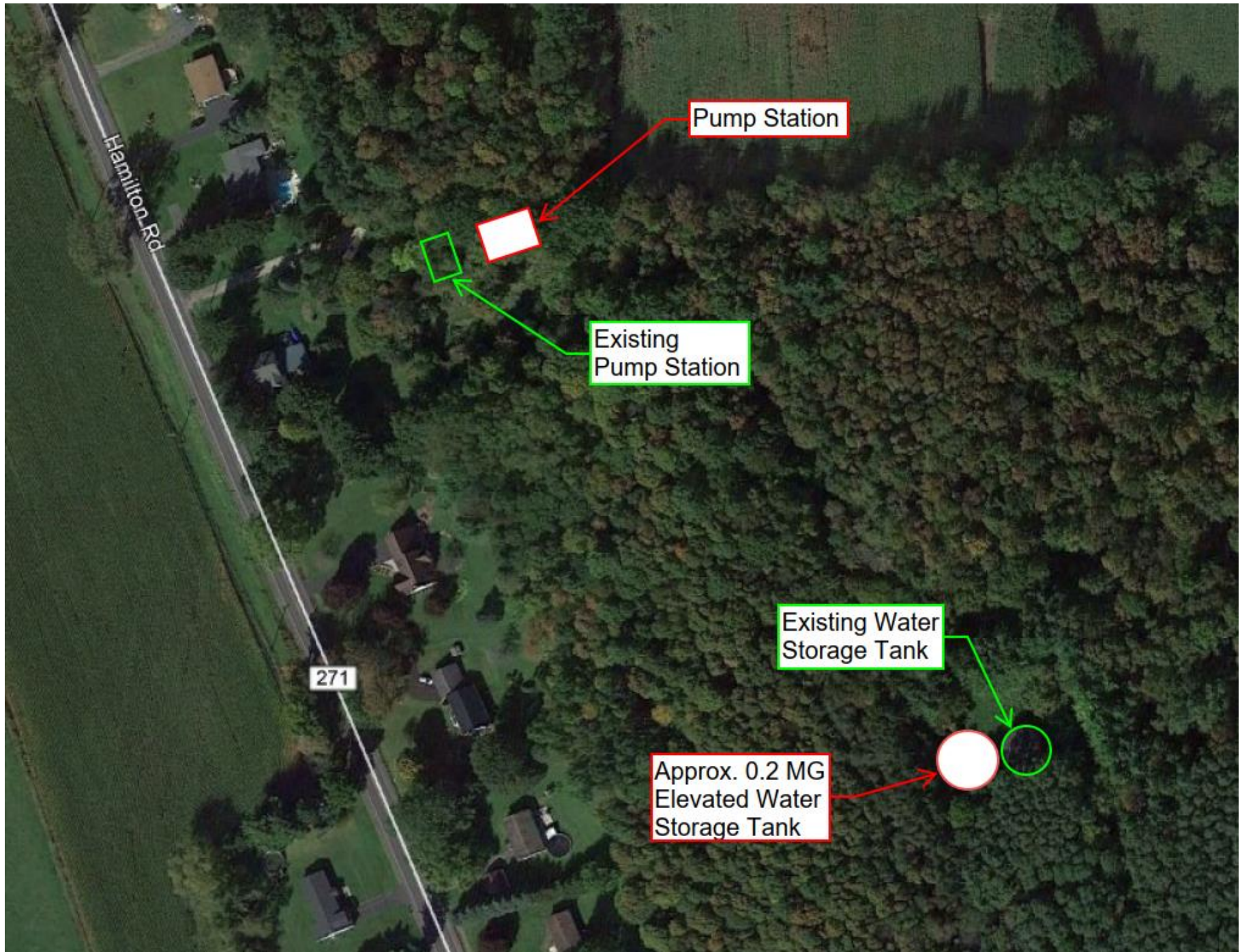
# UV Facility – Tank and Pump Station



# Concrete Ground Storage Tank



# Hamilton Rd– Tank and Pump Station



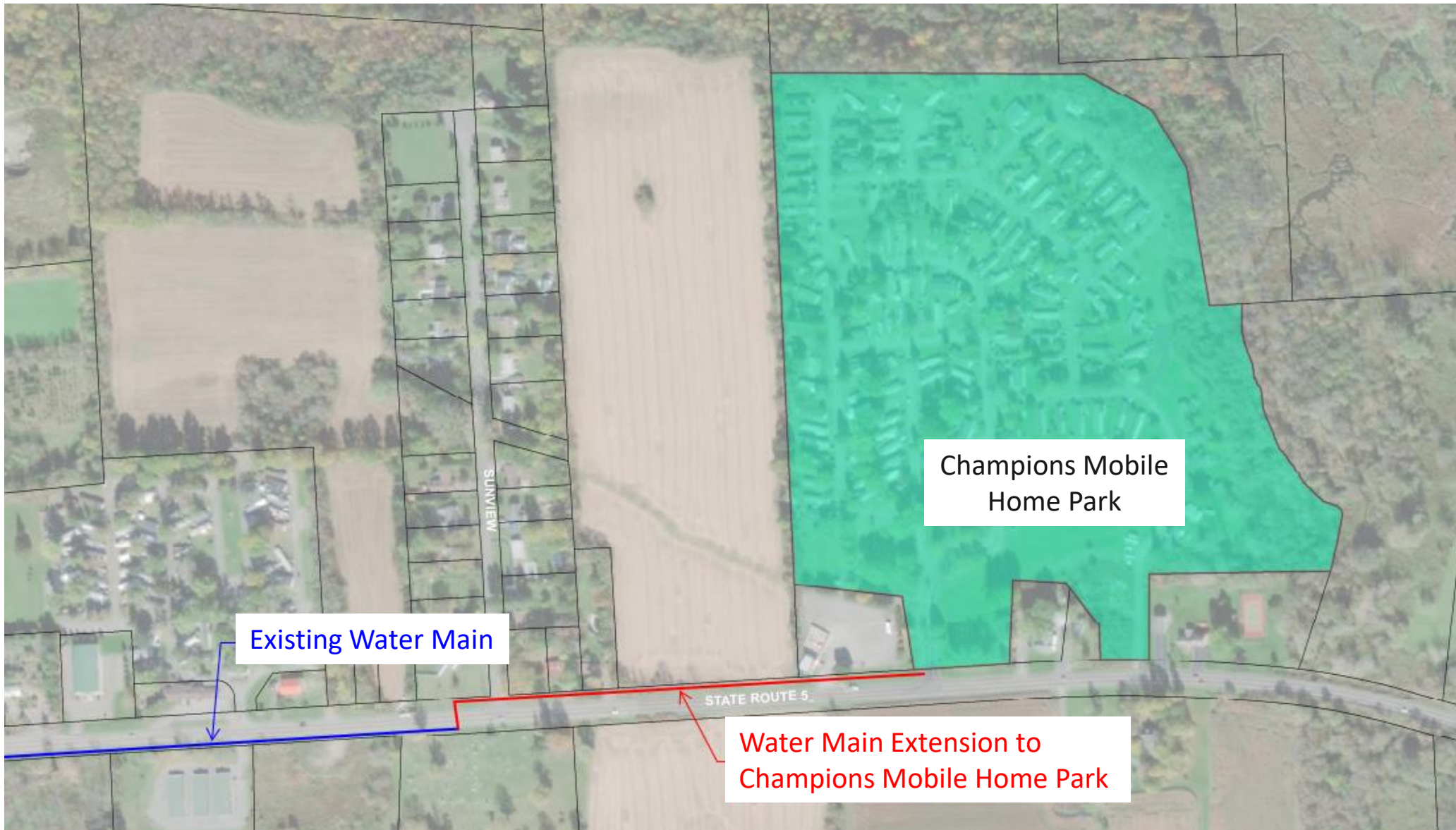


# Elevated Water Storage Tank and Pump Station

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# Champions Mobile Home Park



- Joint Water Project Cost Estimate

• Base	\$5.7M
• Champions	\$0.5M
• <u>Source</u>	<u>\$12.9M</u>
<b>Total</b>	<b>\$19.1M</b>

- Estimated User Cost = Debt Service + Water Purchase + O&M

• Debt Service	\$351
• Water Purchase	\$6
• LT2/UV O&M	\$22
• <u>O&amp;M</u>	<u>\$126*</u>
<b>Total</b>	<b>\$505/unit</b>

\*Based on a consolidated water department

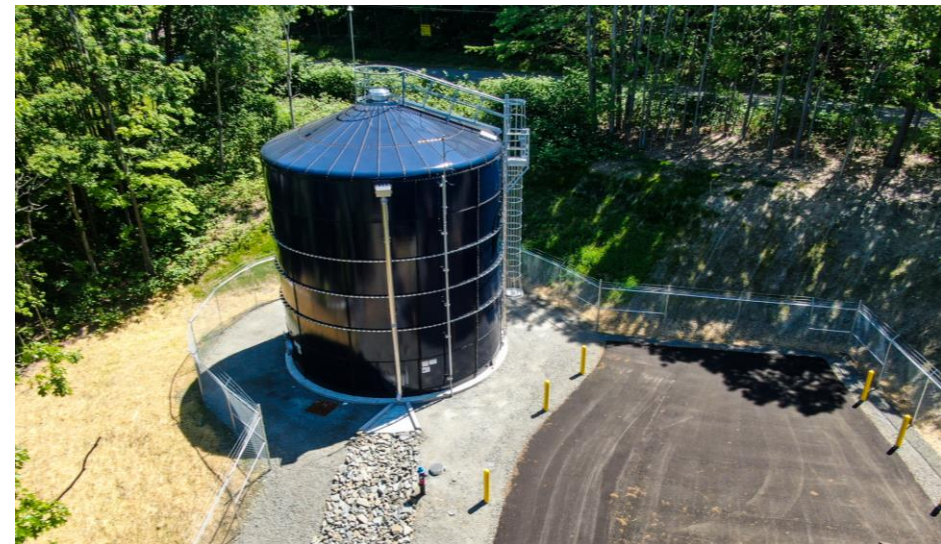
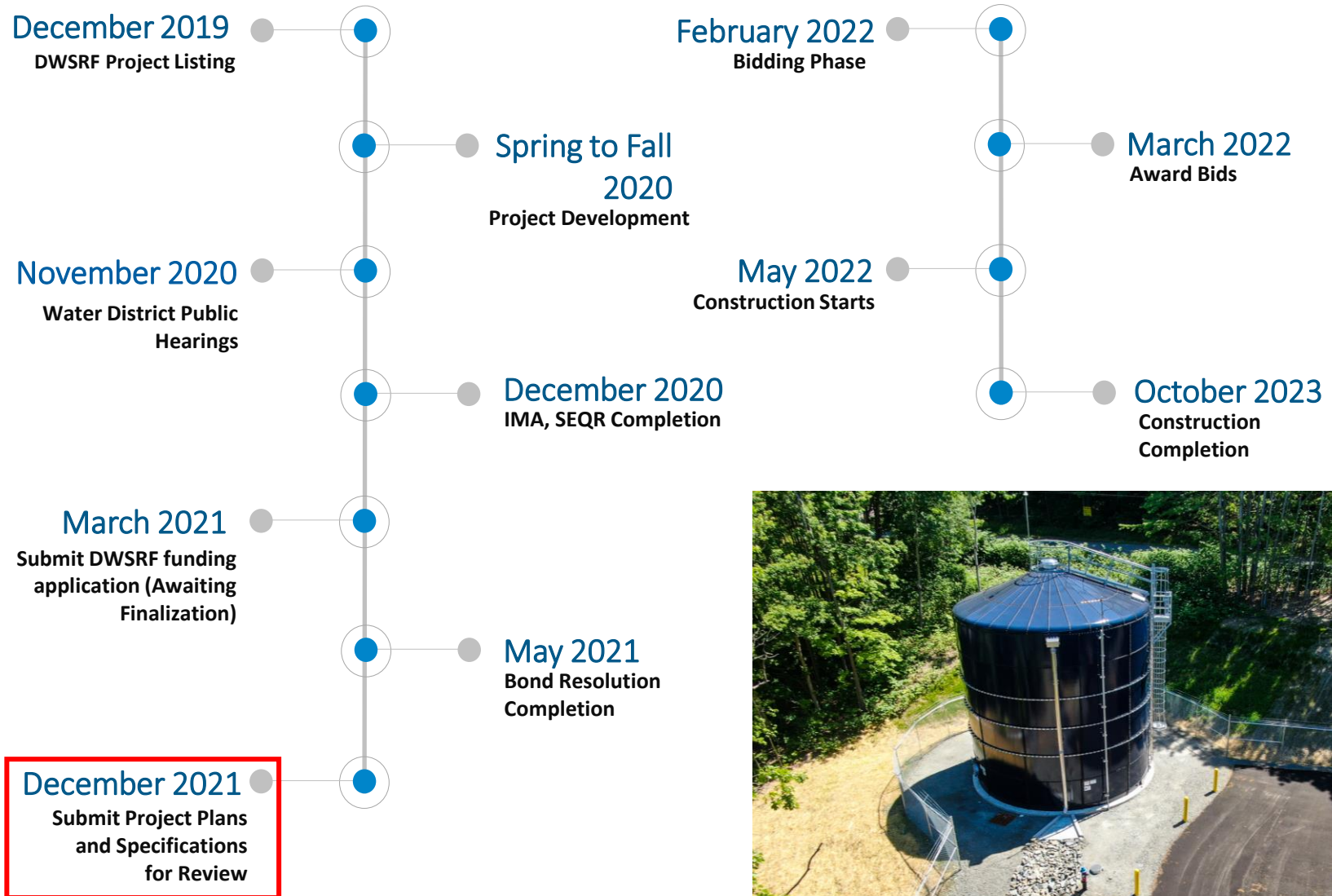
# Funding Analysis

- (V) Jordan – qualified for 0% hardship interest rate, \$3 million dollar grant awarded
- (V), (T) Elbridge – qualified for subsidized interest rate
  - 66.7% of AAA market rate
  - To apply for additional grant funding (WIIA)

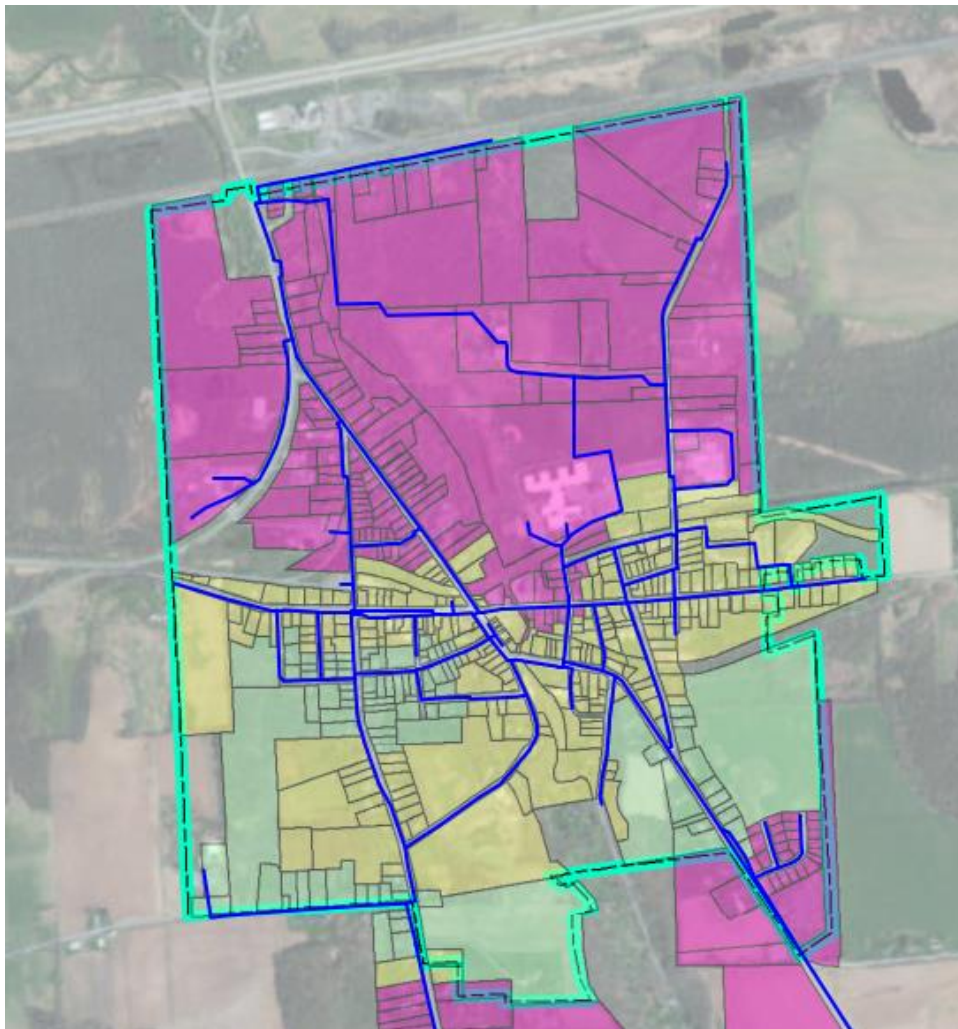
Project # CODES	County See legend*	System Name/ Borrower	Description	Pop.	Project Cost	Score
18721	Onondaga	JORDAN VILLAGE / Jordan (V)	Village's share of Elbridge (V) / Elbridge (T) / Jordan (V) Joint Water System Upgrades. Related to Project Nos. 18719 & 18720., Upgrade Storage, Upgrade Distribution System, New System Consolidation	1,400	\$7,451,232	135
18720	Onondaga	ELBRIDGE VILLAGE / Elbridge (V)	Village's share of Elbridge (V) / Elbridge (T) / Jordan (V) Joint Water System Upgrades. Related to Project Nos. 18719 & 18721., Upgrade Storage, Upgrade Distribution System, New System Consolidation	1,519	\$6,875,291	130
18719	Onondaga	ELBRIDGE (T) / Elbridge (T)	Town's share of Elbridge (V) / Elbridge (T) / Jordan (V) Joint Water System Upgrades. Related to Project Nos. 18720 & 18721., Upgrade Storage, Upgrade Distribution System, New System Consolidation	1,000	\$5,075,477	130

\*Hardship Funding Line: 120 points

# Schedule



- Preliminary Design Phase
  - Survey of existing utilities
  - Hydraulic model of water system



## Legend

— Existing Water Main

### Service Pressure

Less than 35 PSI

36-60 PSI

61-80 PSI

Greater than 81 PSI

### Villages

Village of Elbridge

Village of Jordan



*The experience to*  
**listen**  
*The power to*  
**solve**<sup>SM</sup>

*BartonandLoguidice.com*

