



*Excellence Delivered **As Promised***

Lake DeForest Water Treatment Plant

SUEZ WATER NEW YORK

Town of Clarkstown Planning Board Meeting

March 3, 2021

PROJECT TEAM

NAME	COMPANY	PROJECT ROLE
Anthony Delescinskis, P.E.	Suez	Owner's Representative
Lino Sciarretta, Esq.	Bleakley Platt & Schmidt, LLP	Attorney
John Atzl, PLS	Atzl, Nasher & Zigler, P.C.	Engineering Consultant
Jeffrey Raffensperger	Gannett Fleming	Project Manager
Jamie Shambaugh, P.E.	Gannett Fleming	Senior Process Engineer
Andrew Balto, AIA	Gannett Fleming	Architect
Mehrin Selimgir	Gannett Fleming	Project Engineer

SYSTEM BACKGROUND

- Suez provides drinking water to 300,000 customers in communities throughout Rockland County
- Water is provided to customers from the Lake DeForest Water Treatment Plant (WTP) as well as numerous ground water wells
- Lake DeForest WTP was placed in service in 1963 and has been in continuous duty since then



PROJECT BACKGROUND

- Lake DeForest WTP has been in service since 1963
- 58 years of continuous service with 2 process upgrades



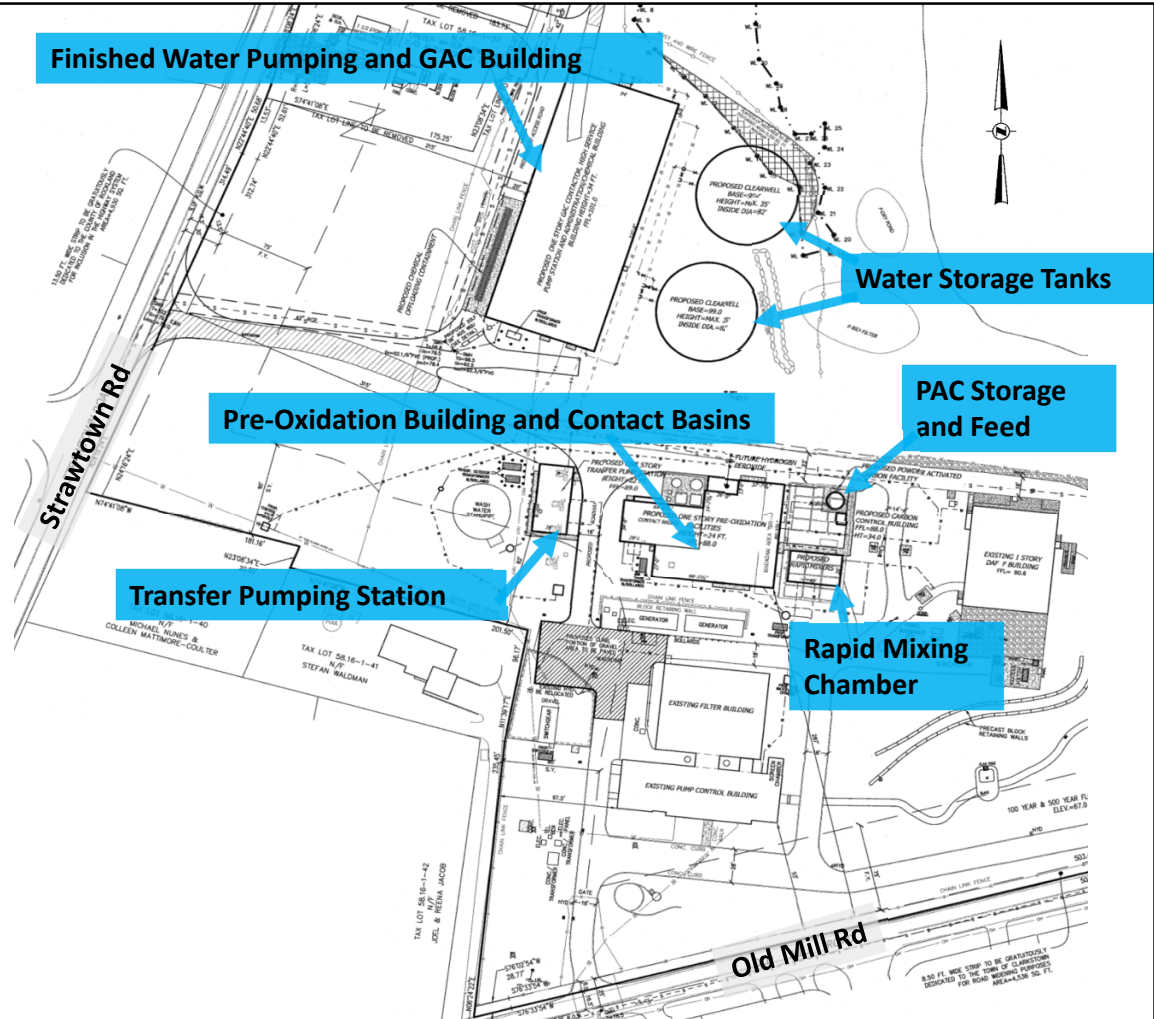
PROJECT DRIVERS

- WTP Process Upgrade
- Changing Water Quality
- Meet Continuously Developing Drinking Water Regs
- Taste and Odor Control
- Aging Infrastructure
- Maintain and Ensure Safe Water Quality
- No Increase in Capacity, No New Customers, No new Service Areas

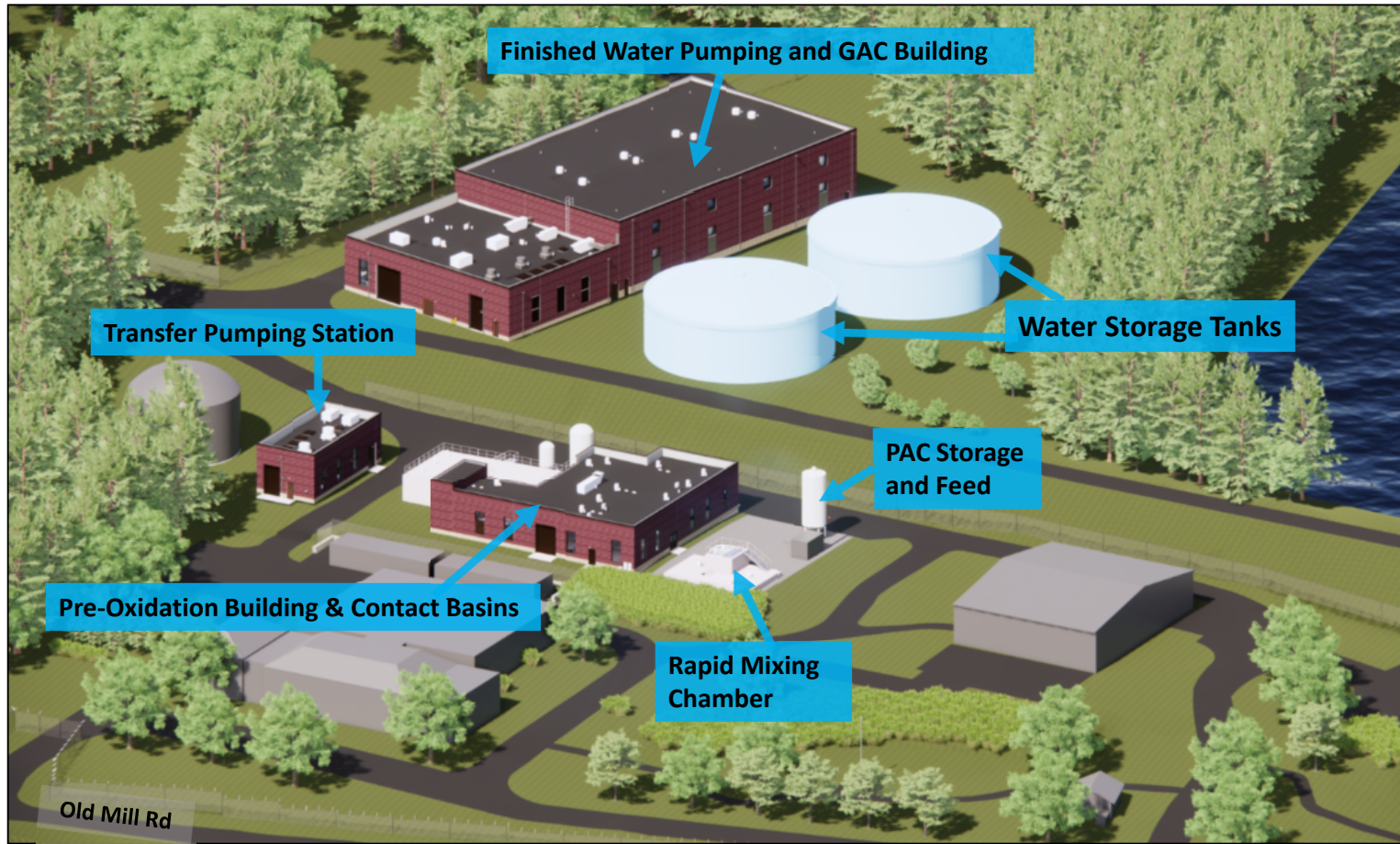


PROJECT SCOPE

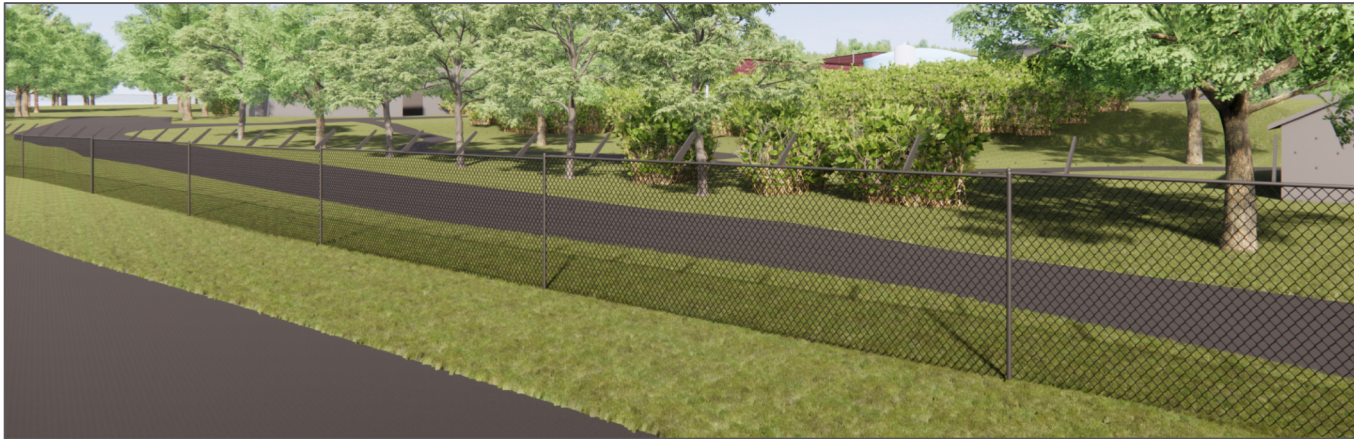
- Traditional Water Treatment Techniques with Modern Equipment
- Pre-Oxidation Treatment Process – Pre-Oxidation Building, Contact Basins, and Liquid Oxygen (LOX) Liquid Nitrogen (LIN) Tanks
- Rapid Mixing – Rapid Mixer Chamber
- Powder Activated Carbon (PAC) – Storage Silo and Feed Equipment for Taste and Odor
- Primary Filtration – Existing Filter Building
- Transfer & Finished Water Pumping
- Final Filtration – Granular Activated Carbon (GAC) Building
- Two (2) Water Storage Tanks – Final Disinfection



PROPOSED SITE PLAN



ARCHITECTURAL RENDERINGS



Old Mill Road Looking Northwest

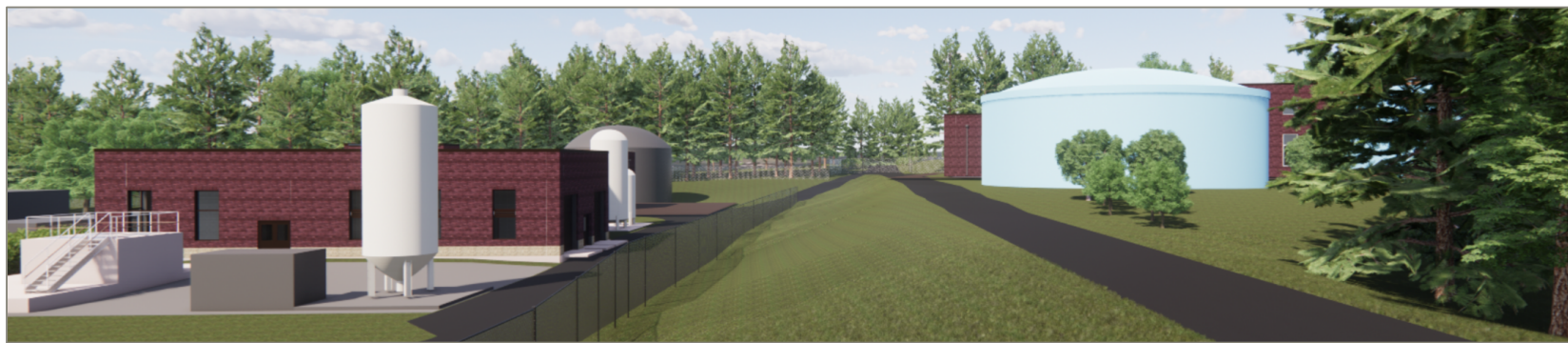


Existing Access Road from Old Mill Looking North

ARCHITECTURAL RENDERINGS



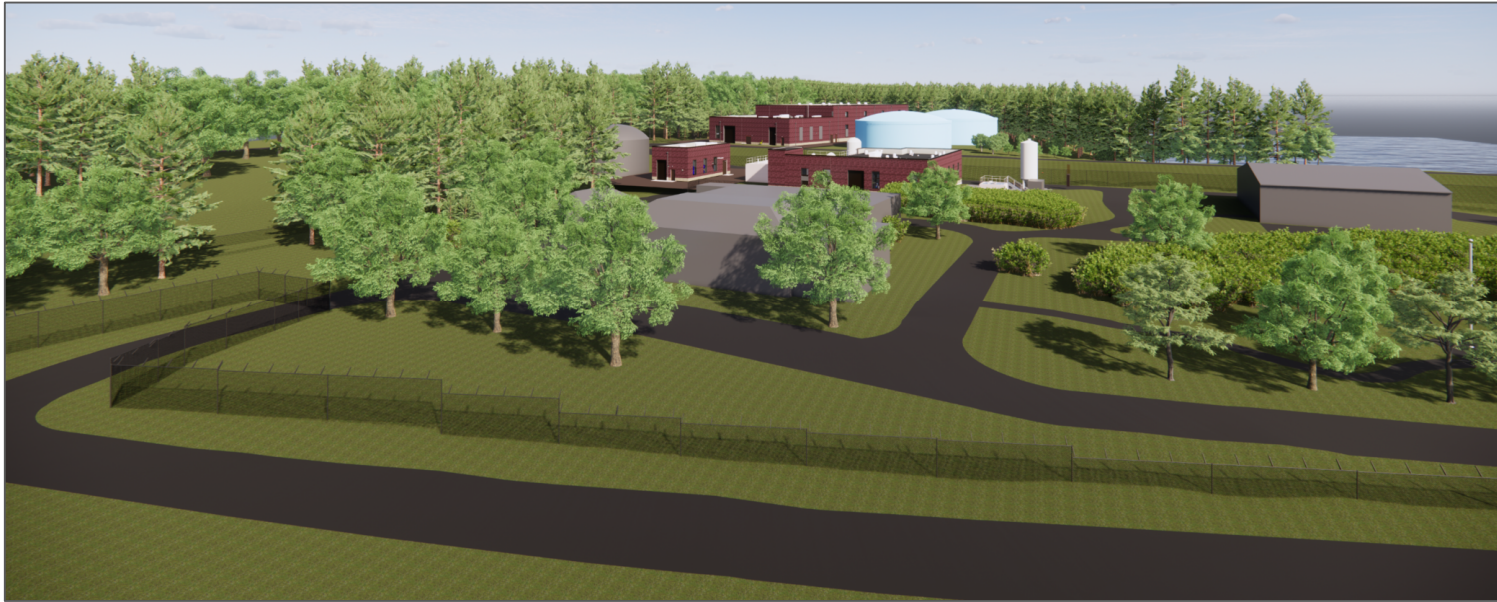
Strawtown Road Looking East



On Suez Property Looking West Towards Strawtown Rd

SITE PLAN DETAILS

- Zoning Compliant Site Plan
 - No Variances
 - No Easements
 - No Height Exceedances
 - No Setback Exceedances
- Existing Topography lends to privacy along Strawtown Rd
- Proposed Landscape Plan for Privacy



SUMMARY

- Existing, Functioning WTP for 58 Years
- Required Process Upgrade
- Zoning Compliant Site Plan
- Taste and Odor Control
- Maintain and Ensure Safe Water Quality

