NORTH FERRY STREET PUMP STATION PROJECT

STOCKADE ASSOCIATION BOARD PRESENTATION



March 1, 2017

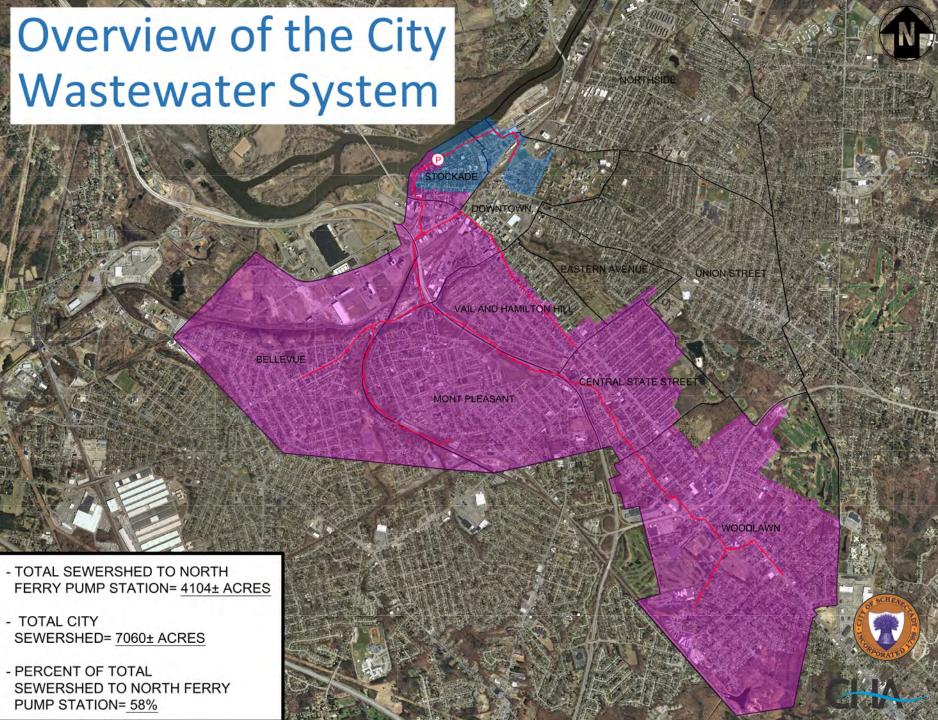
Presentation Outline

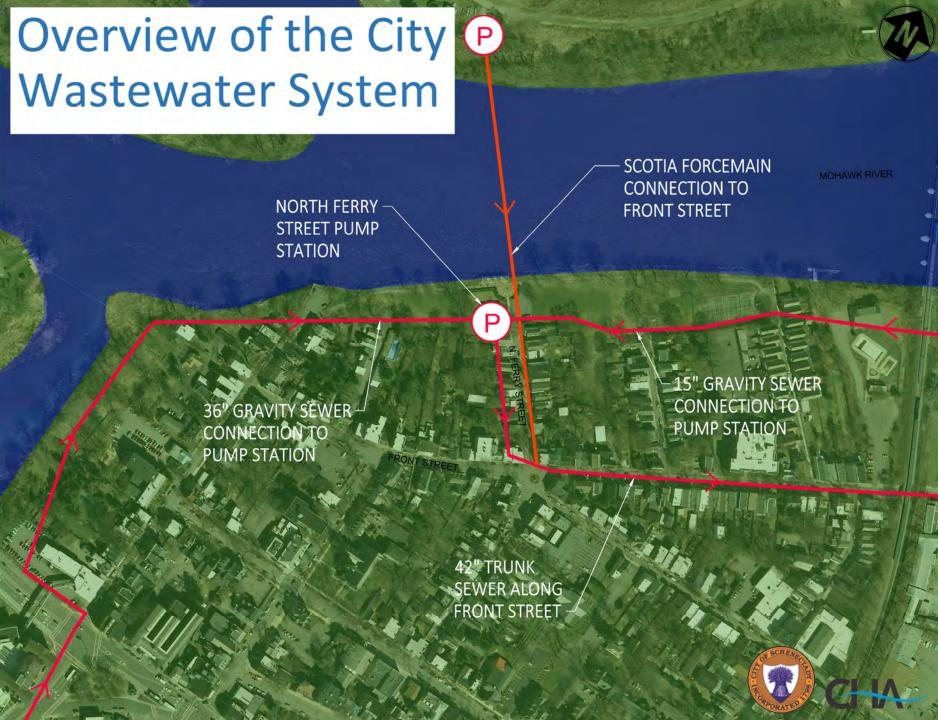
Summary of the Advisory Committee Workshops

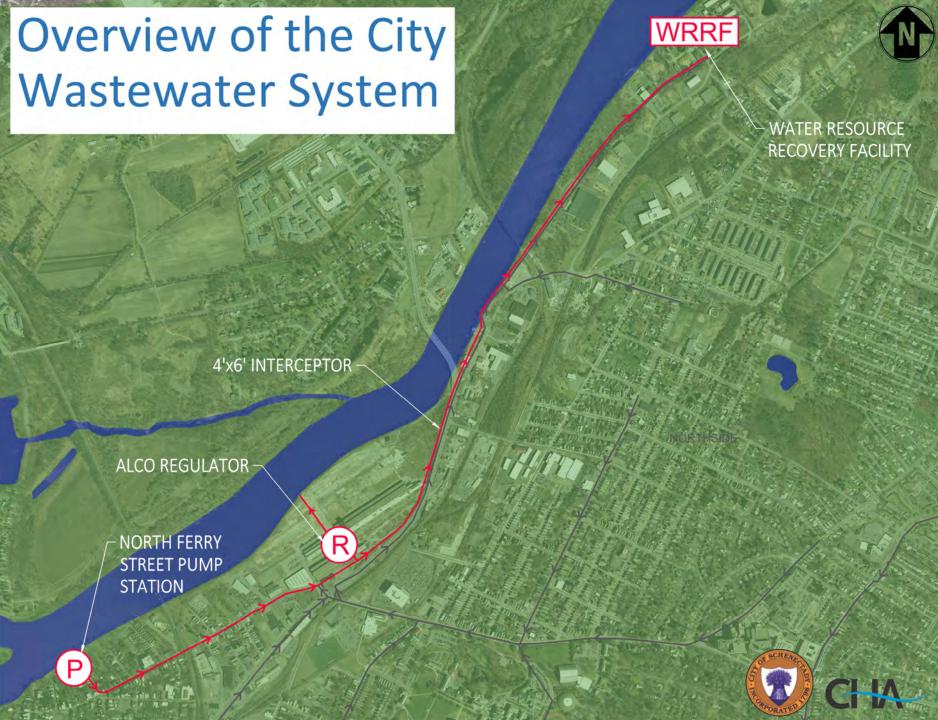


- Overview of the City's Wastewater System
- History of Regulatory Challenges
- Order on Consent Requirements
- Key Project Considerations
- Pump Station Layout within the Park
- Preliminary Renderings of the Pump Station
- Next Steps





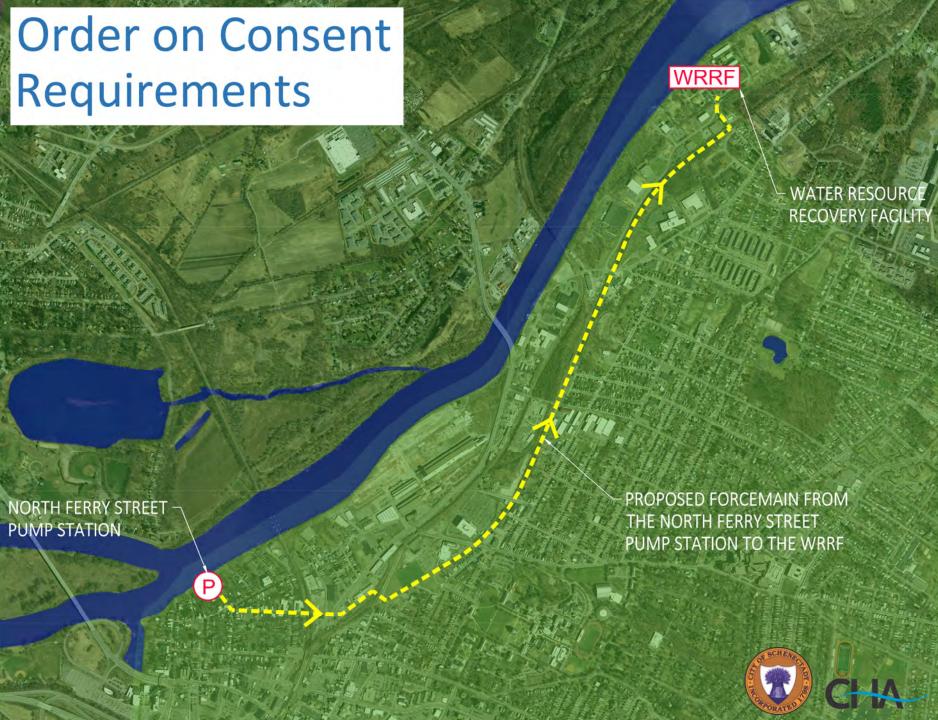


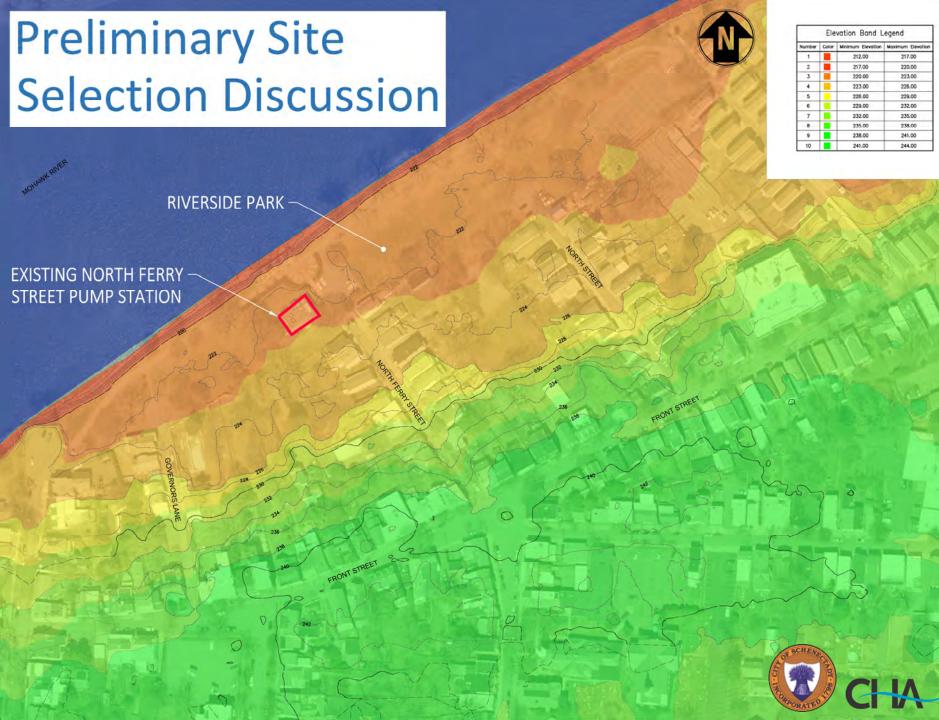




History of Regulatory Challenges Timeline Summary

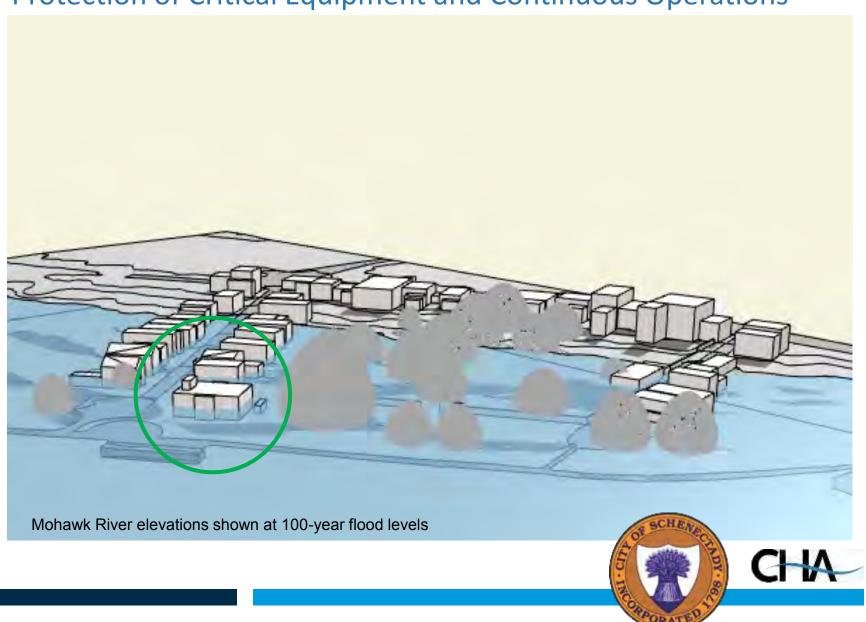
- 2005: DEC required that the City "characterize" the performance of the wastewater system
- 2005: An Order on Consent required the City to assess inflow and infiltration which resulted in a 5-Year CIP
 - Central State Street Neighborhood
 - Hamilton Hill and Vale Village Neighborhoods
 - Mt. Pleasant Neighborhood
 - Downtown Business District
- 2013: Re-classification of the Alco Regulator from a CSO to SSO
- 2014: New Order on Consent for SSO Abatement





"Hardening" of the Pump Station

Protection of Critical Equipment and Continuous Operations



Key Project Design Considerations





- Pump Station needs to be "hardened" to protect critical equipment and ensure operations during flood events
- Maintain continuous operation of the pump station during construction
- Incorporate flexibility in the design to accept additional flows from City development, Rotterdam and Scotia
- Ensure sufficient pumping and wet well capacity to deliver flows to the WRRF to enable the SSO Abatement
- Building and landscape architectural elements need to be matched to the character of the historic neighborhood



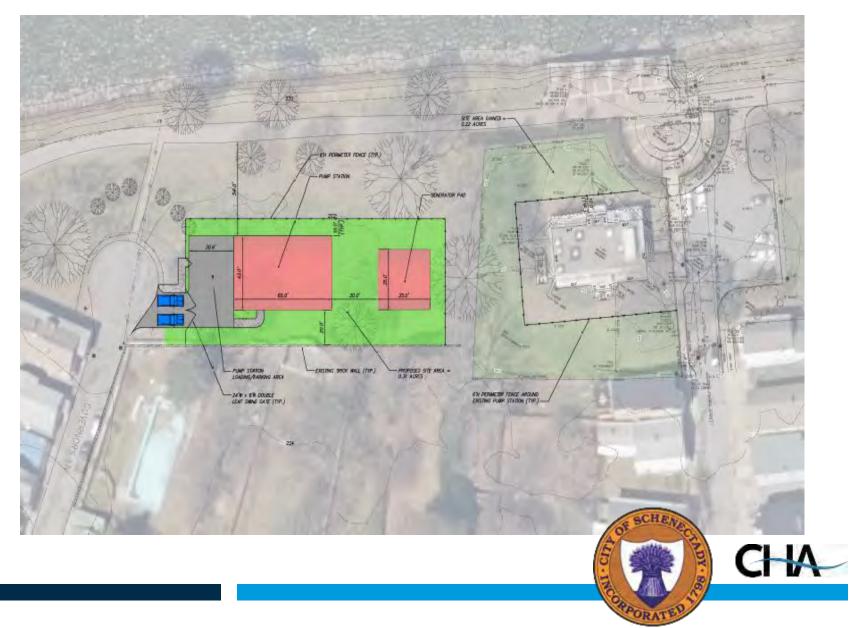
Preliminary Site Selection Discussion





Pump Station Layout

Viewsheds and Access







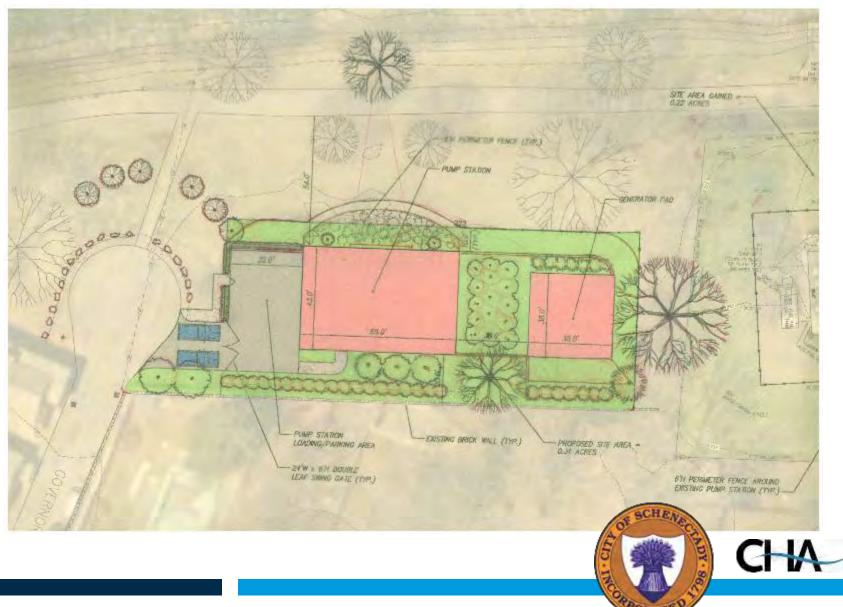






Pump Station

Plantings and Screening



Project Advisory Committee

Influenced Decisions and/or Recommendations

- New facility to be located to the west of the existing pump station to preserve critical green space areas
- Building was "re-conceptualized" and site grading approach has been modified to minimize the fill limits and disturbances
- Architecture has been modified to reflect more modern aesthetics and treatments
- Proposed "dry-dock" to protect the backup power generator
- Minimization of impacts to "viewsheds"
 - Consideration of placement relative to adjacent properties
 - Set-back distance from the river walkways
 - Screening and plantings, including use of the existing visual barrier created by Governor Yate's brick garden wall
- Proposed access to the pump station from Governors Lane
 - Limits paved surfaces and preserves green space
 - Minimizes impacts to primary park entrance



Next Steps

- Presentation of the Project to the Stockade Association and broader general public audience
- Targeted date for completion of plans and specifications by December 2017
- Targeted date for the completion of construction by December 2019





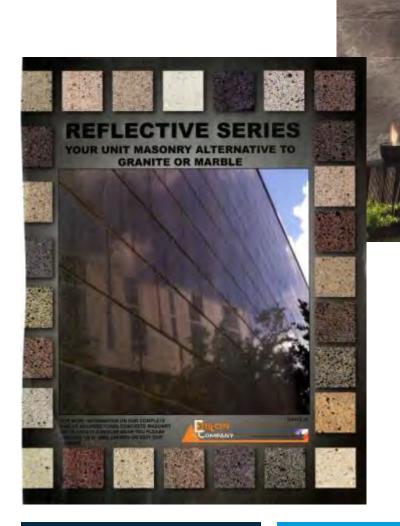
Final Questions or Comments



Additional Slides



Possible Architectural Wall Materials





Screening Landscape Options



