

Project Overview



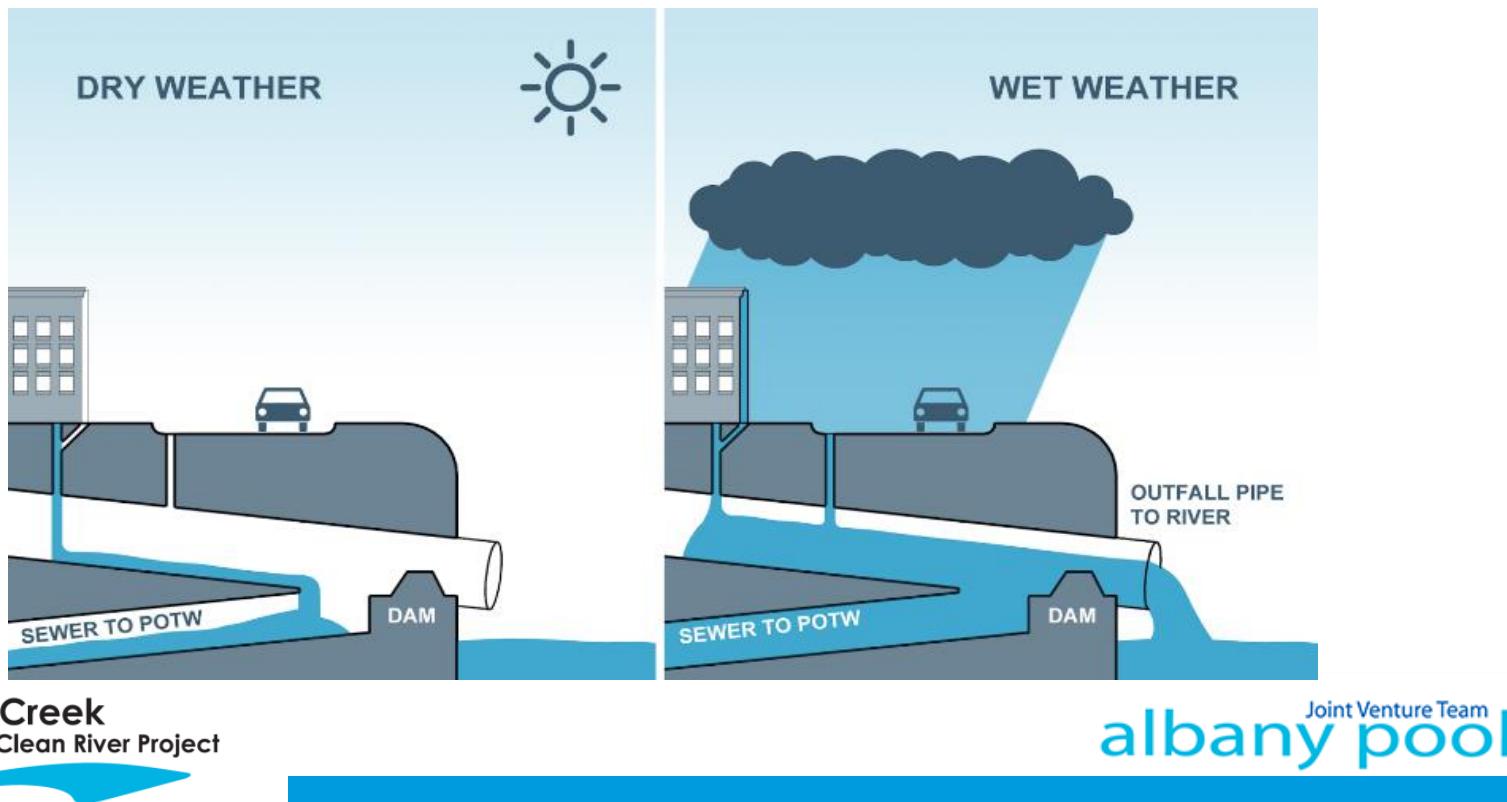
Special Acknowledgement to NYS Department of Environmental Conservation and Environmental Facilities Corporation for their support and financing on this Project.

Timeline Overview (2016 – 2022)



Background - Combined Sewer Overflows (CSO)

- Albany and neighboring communities have combined (both storm and sanitary) sewer systems that allow for CSOs into the Hudson & Mohawk Rivers.
- CSOs are a mixture of rainwater and wastewater and negatively impact water quality.
- CSOs happen during wet weather, when the amount of combined wastewater exceeds capacity for the sewer system and Wastewater Treatment Plant. This avoids surface flooding and backups within the sewer system.



Background - Albany Pool CSO Long Term Control Plan (LTCP)

- The LTCP was created to reduce combined sewer overflows and improve Quality of Life for Capital District riverfront communities
- It is a regional solution to significantly improve water quality in the Hudson & Mohawk Rivers
- Communities include Albany, Troy, Cohoes, Watervliet, Green Island, and Rensselaer
- LTCP development began in 2005 with final approval by NYS DEC in 2014
- 15-Year Implementation Period
- The Beaver Creek Clean River Project is a large component of the LTCP



What Infrastructure is Being Added? How Will it Work?

- The Project will add a new underground screening/disinfection facility, as well as new sewer pipe connections.
- During wet weather, solid materials (debris, trash and leaves) will be screened-out and conveyed directly to the County Wastewater Treatment Plant through a new sewer pipe connection. This will allow the solid materials to bypass the outfall channel to the Hudson River.
- The screened flow remaining will then be disinfected with chlorine in underground tanks and be de-chlorinated and sent back to the existing Beaver Creek Trunk Sewer.
- Read more [Frequently Asked Questions](#).

Water Quality Benefits

- Addresses the highest priority CSO outfall designated by NYS DEC.
- Provides cleaning of 300 million gallons on an annual basis, resulting in the capture of over 85% of the total wet weather flows for the City of Albany.
- Provides the greatest cost-effectiveness in regards to water quality benefits for the Hudson River.



Project Elements

Screening

- Removes debris, trash and solids from CSOs
- Conveys screened materials through a new pipe connection to the Wastewater Treatment Plant

Disinfection

- Kills bacteria and viruses using a chlorination process
- Helps prevent untreated overflows being discharged into the River

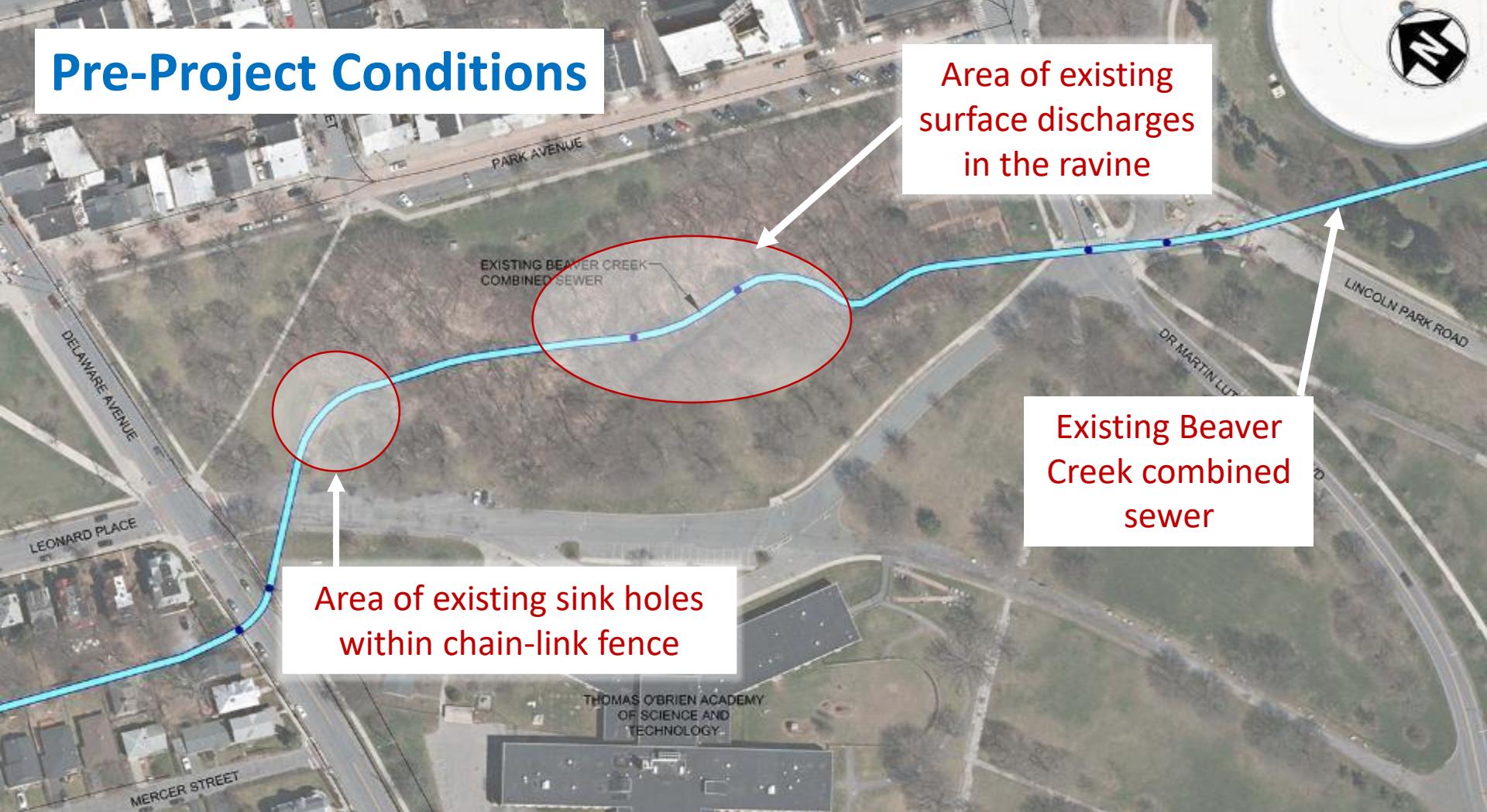
Odor Controls

- Capture and treatment of air in the screening/disinfection facility
- Elimination of odors associated with surface discharges in the Lincoln Park ravine

Community

- Maintain the visual aesthetics of facility location in Lincoln Park.
- Minimize traffic impacts
- Incorporate recreational and educational features (Ravine Garden)

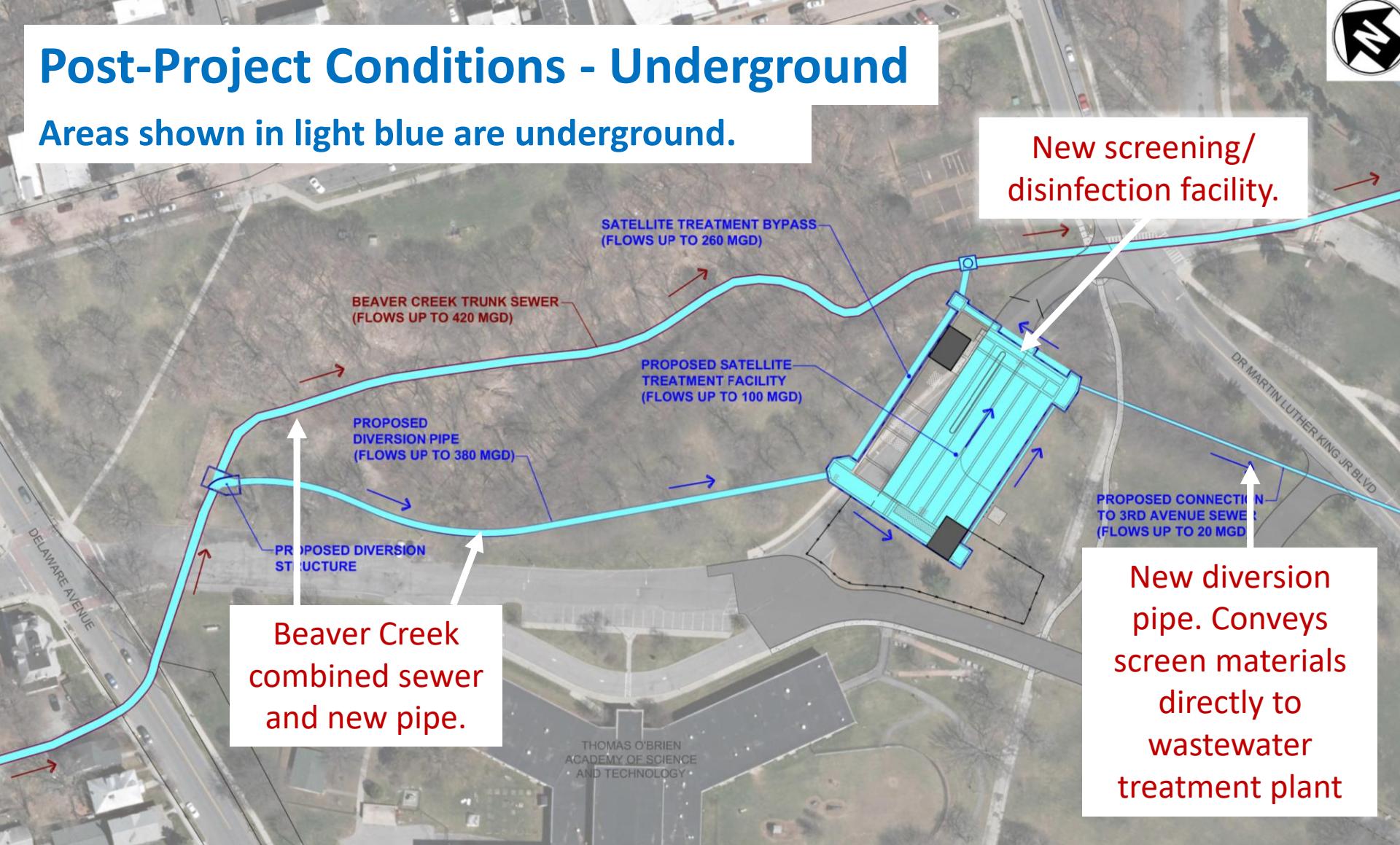
Pre-Project Conditions



Project will stabilize the area within the ravine to eliminate surface discharges and sink holes.

Post-Project Conditions - Underground

Areas shown in light blue are underground.



Post-Project Conditions Aboveground



Single access site will prevent disturbances to the existing traffic patterns for the school

Improvements to the Ravine

TOAST School and existing parking/road

Adjusted new road connection between TOAST and MLK Jr Blvd.

Project adds limited pavement (shown in gray/light gray) and small above ground buildings (shown in brown)

0 30 60
Scale in feet

Project Design Process

First Proposal



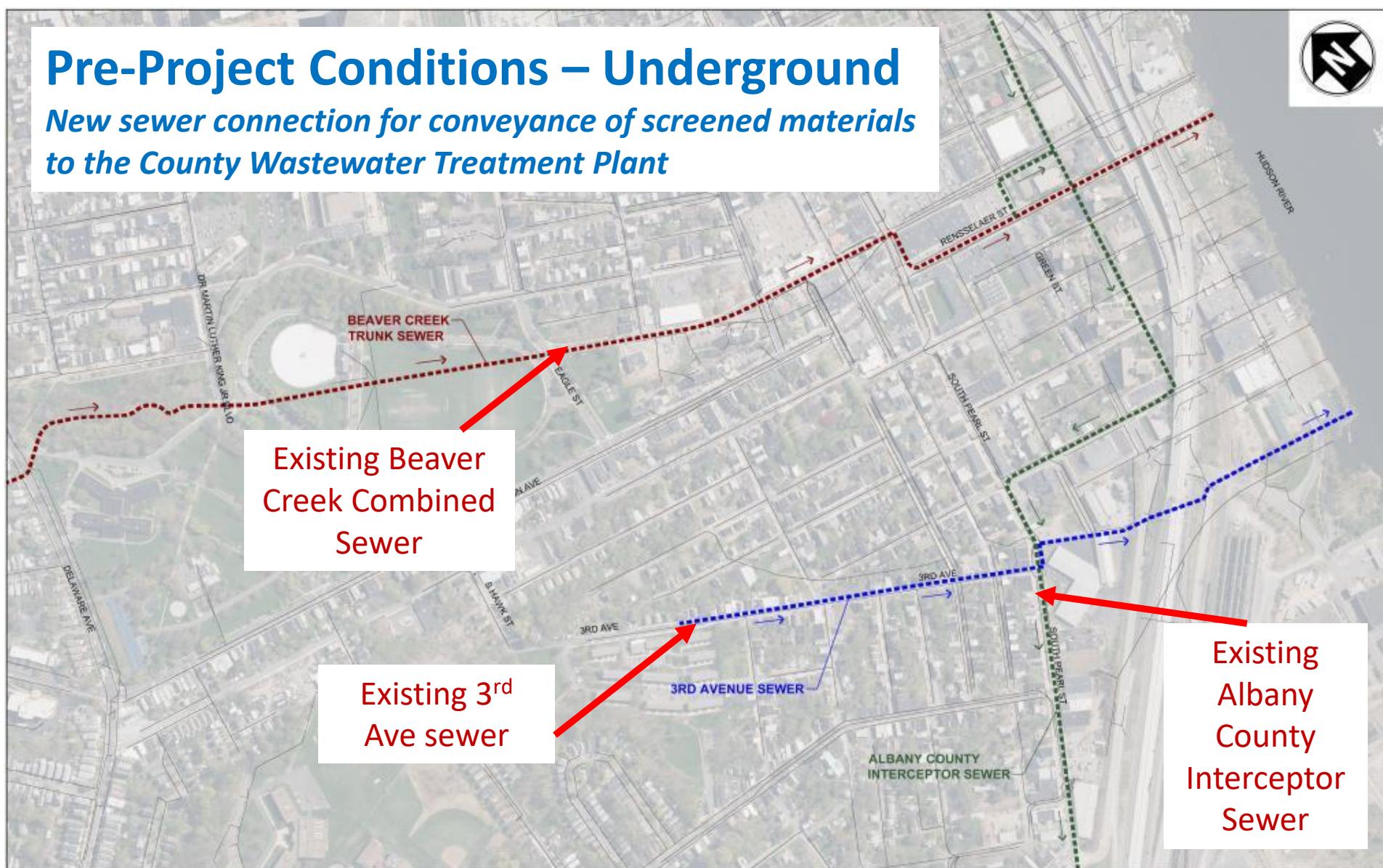
- First design proposal included a larger footprint for the aboveground buildings and new paved area.
- First proposal also called for screened materials (debris, solids, trash) to be collected and removed from the site via trucks.
- After gathering community feedback, the building/pavement footprint was reduced and the addition of a new sewer pipe and connection will allow for screened materials to be conveyed directly to the Wastewater Treatment Plant.

Final Design



Pre-Project Conditions – Underground

New sewer connection for conveyance of screened materials to the County Wastewater Treatment Plant



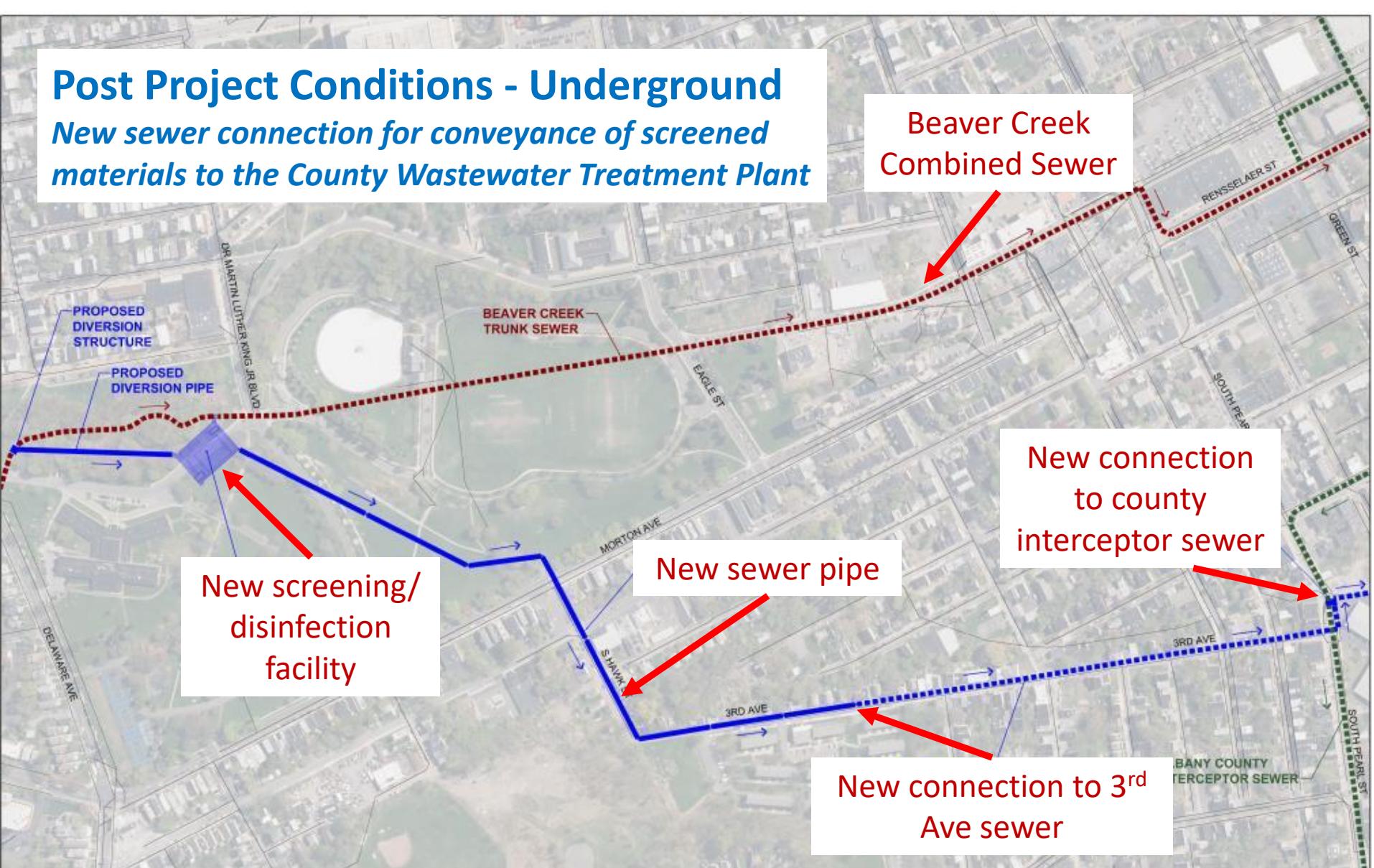
Existing Beaver
Creek Combined
Sewer

Existing 3rd
Ave sewer

Existing
Albany
County
Interceptor
Sewer

Post Project Conditions - Underground

New sewer connection for conveyance of screened materials to the County Wastewater Treatment Plant



The Project also includes upgrades to the screens at the County Wastewater Treatment Plant



- More Protective of Equipment
- Replacement of Aging Infrastructure
- Screens More Suitable for CSO Conditions
- Staffed 24 Hours per Day
- Allows for Handling of Screened Materials at the Plant

Construction and Impacts

- Construction will occur in multiple phases to begin in early 2021 (including tree/brush clearing), and completed by December 2022. **Check construction schedules and sign up for the mailing list** at www.albanyny.gov/cleanriver.
- The bulk of the construction activity will occur in the northwest corner of Lincoln Park, as well as along S. Hawk and Third Avenue.
- Any needed street/parking or water/sewer impacts will be communicated (signs, direct mail and/or doorhangers) to all affected residents and businesses/organizations in advance throughout the duration of construction.
- The City is working with TOAST Administration on traffic plans and impacts.
 - The TOAST access road will be temporarily converted to a two way dead end with a signal and signage added at Delaware Ave.
 - Construction traffic will access the site mainly via Dr Martin Luther King Jr Blvd
 - Original traffic patterns can return upon completion.

Phase 3 – Diversion Pipe
June 2021 – September 2021

Phase 5 – Treatment Facility and Bowl
April 2021 – December 2022

Phase 4 – New sewer pipe
2022

Phase 1 Third Ave – New Regulator
April 2021 – July 2021

Phase 2 – Located at the Albany County Sewer
Treatment Plant July 2021 – February 2022

Lincoln Park Ravine Improvements

- The ravine is currently overgrown, inaccessible and experiences sink holes and sewer discharges (causing odor).
- The Project will eliminate discharges and sink holes, and do some tree/brush clearing to allow for the unique geological features in the ravine to be more accessible. This will also make way for the future development of a Garden/Park.



View a [video walkthrough](#) of the Ravine.

Lincoln Park Ravine *Garden*

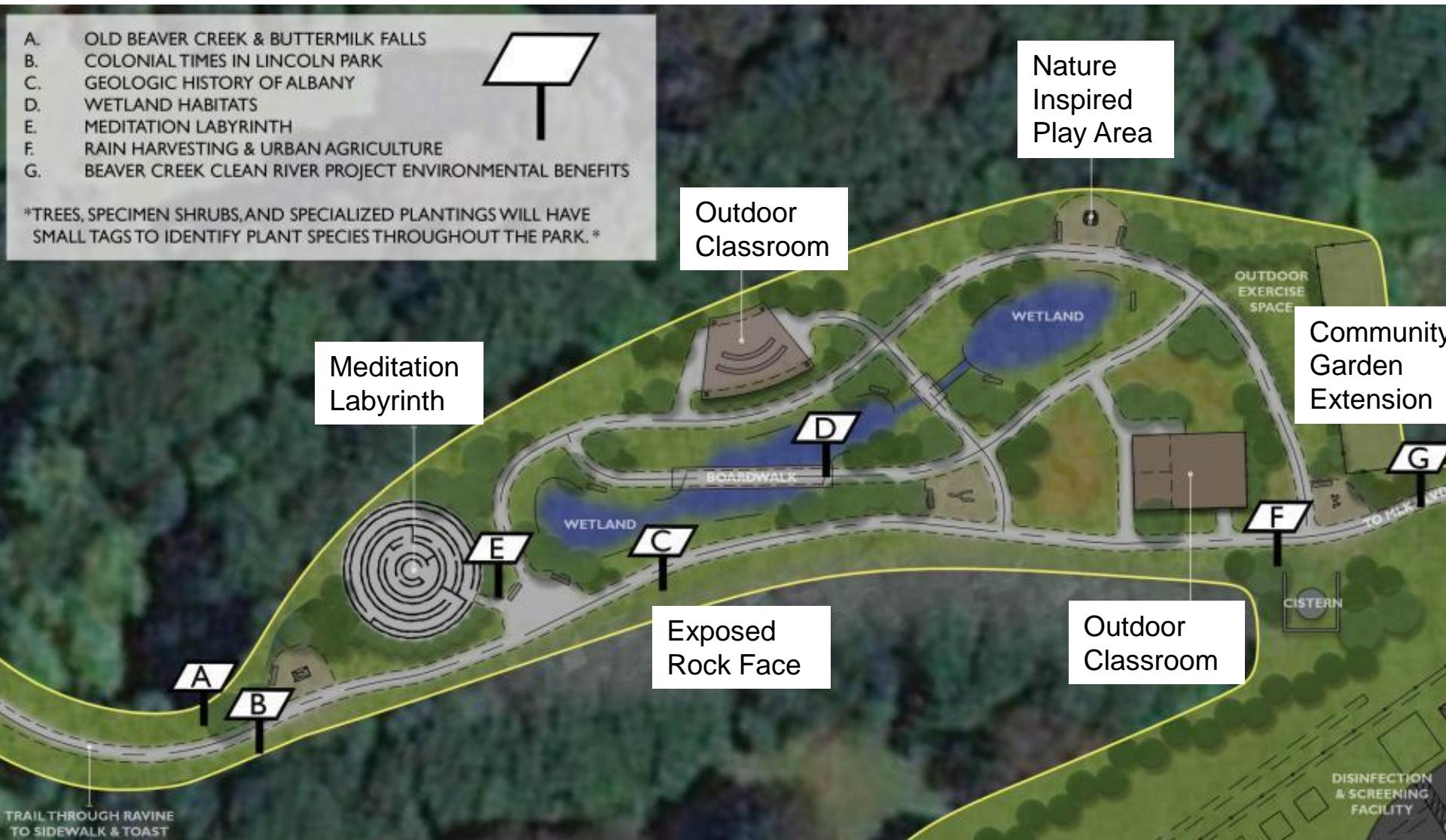
- After initial improvements (grading, elimination of surface discharges, etc.) are completed in the Ravine, the Department plans to create a community Garden/Park in the space.
- A Community Advisory Committee (CAC) reviewed preliminary plans and provided feedback during 2018.
- The following slides show the current **DRAFT Garden design** based on initial CAC and community feedback.
- Continued community input and re-engagement with an advisory committee on the design of the Garden will continue upon the approval of financing. (Anticipated during 2022.)

DRAFT Ravine Garden Concept & Educational Signage

- A. OLD BEAVER CREEK & BUTTERMILK FALLS
- B. COLONIAL TIMES IN LINCOLN PARK
- C. GEOLOGIC HISTORY OF ALBANY
- D. WETLAND HABITATS
- E. MEDITATION LABYRINTH
- F. RAIN HARVESTING & URBAN AGRICULTURE
- G. BEAVER CREEK CLEAN RIVER PROJECT ENVIRONMENTAL BENEFITS



TREES, SPECIMEN SHRUBS, AND SPECIALIZED PLANTINGS WILL HAVE SMALL TAGS TO IDENTIFY PLANT SPECIES THROUGHOUT THE PARK.



DRAFT Garden Project Drawing





Stay Current on Project Updates and Construction Timelines

Sign up at

www.albanyny.gov/CleanRiver