



Welcome to Alexandria Renew Enterprises



Who We Are

Alexandria's Water Transformers

- Created in 1952 by City Council
- An independent political subdivision of the Commonwealth of Virginia created under the Virginia Water and Wastes Authorities Act
- Not an agency or department of the City of Alexandria
- Single purpose entity – intercept and treat wastewater



They shower.....

Each day, our more than 300,000 customers use about 35 million gallons of water, which goes down the drain — and heads to us.



We clean.....

We transform that wastewater into a sparkling clean resource, right here in one of the world's most advanced water resource recovery facilities.



He swims.

So we can safely add that water into the Chesapeake Bay and Potomac — and it's even cleaner than the water that's already in there!

AlexRenew Board Vision– Managing Water Infrastructure for Added Community Benefit

Achieving Water Stewardship Through Personal and Organizational Commitment

- Stream Clean Ups
- Exceptional Regulatory Compliance
- Water Discovery Day

Provide Stable Rates to Support Healthy and Resilient Community

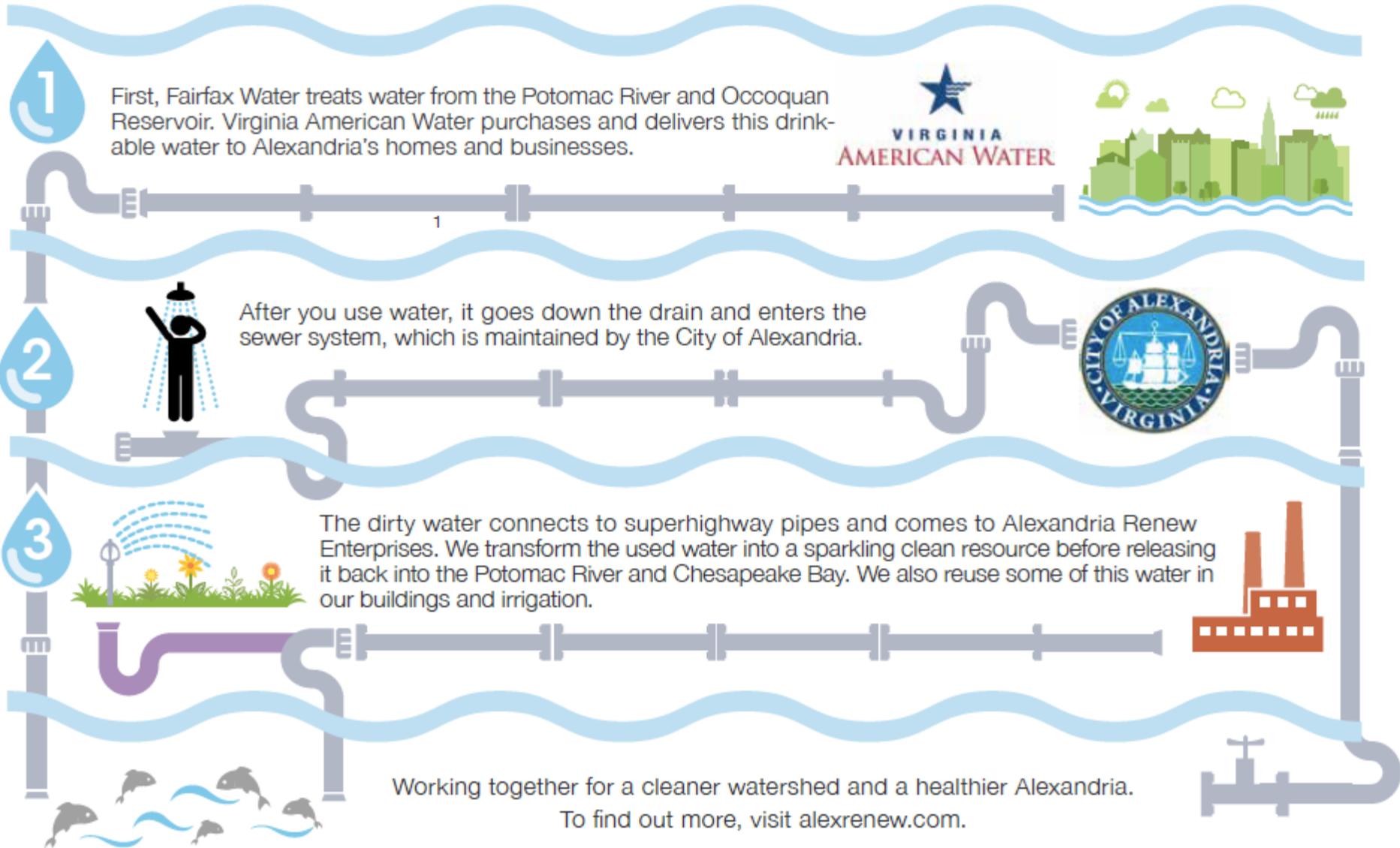
- Fair Rates for Full Cost Recovery
- Operational Efficiencies Like Energy Management
- Compliant with Master Trust and Financial Policies
- WATER Fund

Establish Connections with our Waterways

- VAW and City Partnership
- Pickering Environmental Award
- Sharing Everyone's Investment
- Creating Dual Use Facilities to meet legislative mandates

Alexandria's Water System Team: Three Organizations. One Amazing Job.

How does Alexandria's water system work? With Teamwork! Our city's water system relies on the services of three organizations: Virginia American Water, the City of Alexandria and Alexandria Renew Enterprises.



Who We Are

- AlexRenew owns the pump stations, intercepting sewers and wastewater treatment facility.
- About 60% of wastewater treated at AlexRenew comes from Fairfax County by agreement.
- The City of Alexandria and Fairfax County own their respective sewer collection systems.
- Arlington provides wholesale service to the City via AlexRenew for 3 MGD of capacity.



Alexandria's Combined Sewer System

544

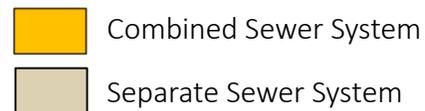
approximate number of acres
of total area within CSS

390

acres of impervious area
within CSS (72% of total area)

4

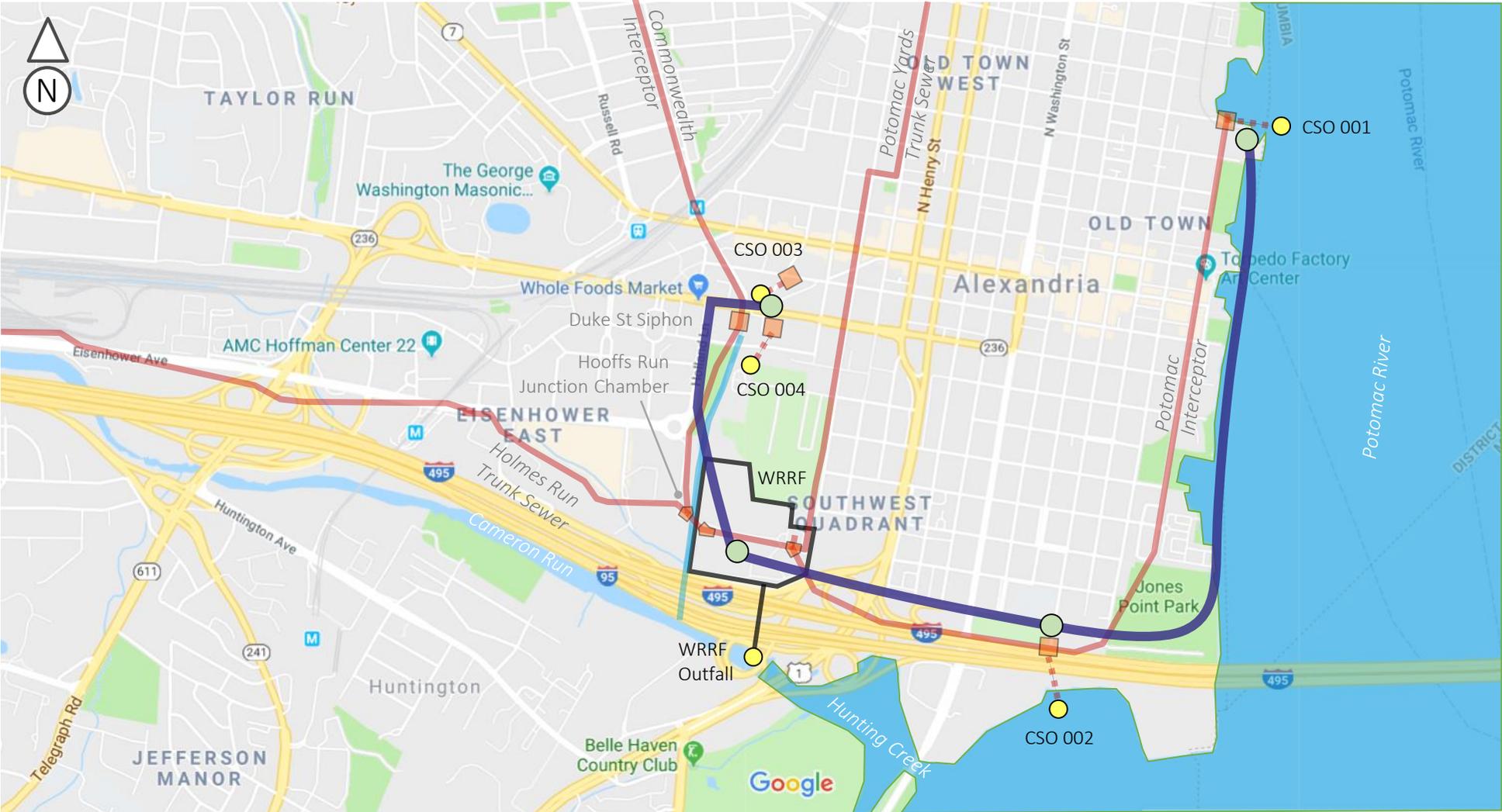
CSO outfalls

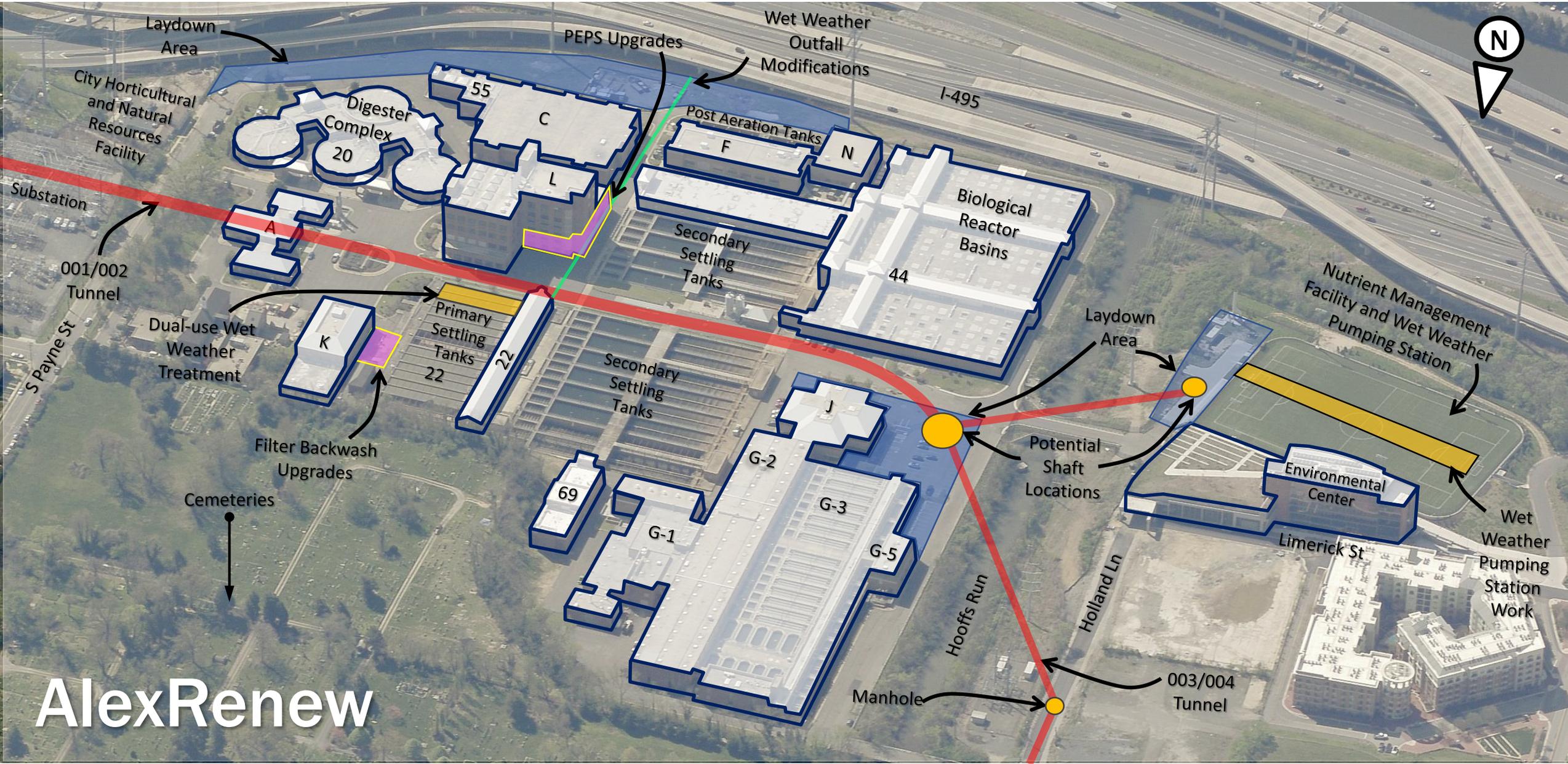


Conceptual Schematic of AlexRenew Owned and Constructed CSS Remediation Plan

Note: Potential tunnel alignments are conceptual only and are currently under evaluation. Other alignments than those shown are possible and will be studied as part of preliminary engineering

- LEGEND
- Existing Interceptor
 - - - Existing Outfall Pipe
 - Existing CSO
 - Existing Regulator/Junction Chamber
 - Proposed Deep Tunnel
 - Proposed Shaft

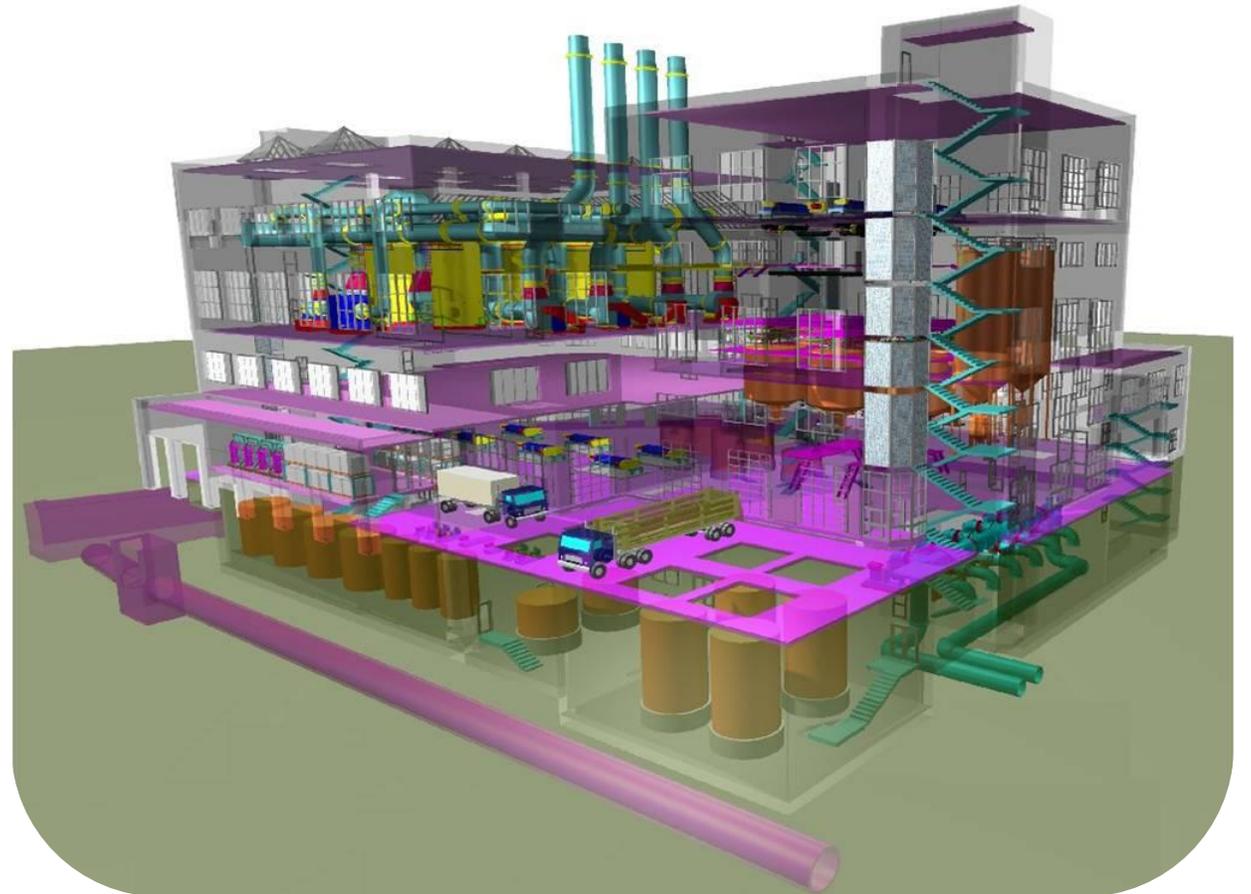




AlexRenew

AlexRenew Has Experience Addressing Challenges

- Small, urban footprint with no additional land options
- Climate adaptation needs
- Speed of technological advances and changes
- Continued nutrient reductions
- Wet weather flows and newly acquired Combined Sewer outfalls and construction of mandated remediation
- Diverse and unique neighbors
- Contaminated soils



Sustainability

- Envision Platinum Nutrient Management Facility
 - Envision - a sustainability rating tool for infrastructure
 - First platinum rating for a water resource recovery facility in the U.S.
- First Constructed LEED Platinum Building in Alexandria





Stay Tuned for the Tour!