

# CENTRAL WATER LINE PROJECT

INVESTING in the  
Urban Drinking Water System

## THE PROJECT

- Construction of 5 miles of water transmission main
- Includes 24-inch and 30-inch diameter pipes
- Pipes will mostly be located under paved City streets
- Construction expected to begin in 2024, and to be completed by 2029

## WHY IS IT NEEDED

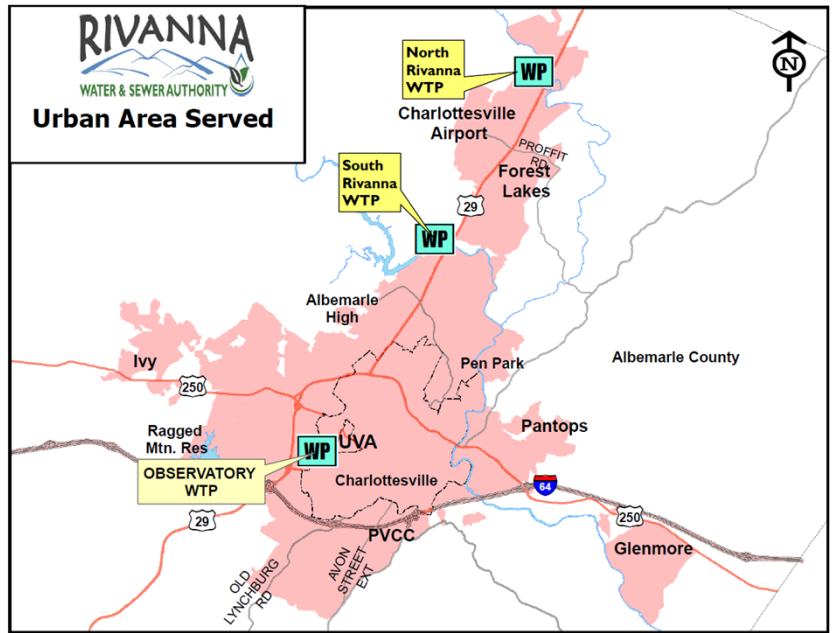
The Central Water Line will strengthen the Urban Area community drinking water system and ensure water can more easily and efficiently be delivered to City of Charlottesville (City) and Albemarle County Service Authority (ACSA) customers for years to come.

## BENEFITS TO ALL CITY AND ACSA CUSTOMERS

- Ensures a plentiful amount of drinking water
- Provides consistent flow and pressure to your faucets
- Aids to maintain water supply during times of drought
- Supports significant fire fighting efforts
- Provides a “backup plan” during system disruptions
- Closes existing gaps in the water transmission system

## COMMUNITY PARTNERS

**RIVANNA** WATER & SEWER AUTHORITY  
Rivanna Water and Sewer Authority (RWSA) was created in 1972 by the City and County to provide an adequate supply of drinking water and to treat wastewater for our community. RWSA treats and delivers drinking water to the ACSA and the City as its only two customers, through its [water transmission system](#). In turn, the ACSA and the City provide water service through their respective [water distribution systems](#) to **YOU** and **YOUR** community as their retail customers.



FACT SHEET

## HOW THE WATER LINE ROUTE WAS CHOSEN

RWSA, in coordination with the City Utilities and Traffic Departments, and the ACSA, evaluated a series of street alignments and their associated impacts based on criteria such as:

- constructability and accessibility
- traffic and parking
- sidewalks, trails and bikeways
- underground & overhead utilities
- construction cost
- neighborhoods & public spaces
- railroad crossing locations
- easements and permitting

The final route for the Central Water Line was selected to provide the least amount of overall impacts to the surrounding community, in addition to the most amount of benefits for both the short-term and long-term drinking water needs. A Project Map is shown on the back. The Routing Study is located on our project website.



RWSA will continue to coordinate with City Departments during design to ensure impacts to streets, parking, sidewalks, trails, bikeways, trees, parks, and schools are minimized during construction.

## WHAT DO THESE TERMS MEAN ...

**Water Transmission System** is a network of larger pipes used to convey treated water between water treatment plants and storage tanks. These pipes carry large amounts of water, much like interstates and highways carry large amounts of traffic.

**Water Distribution System** is a network of medium and smaller pipes used to provide water service directly to individual residential and commercial customers, as well as fire protection systems and hydrants. These pipes carry smaller amounts of water, much like local roads and neighborhood streets carry smaller amount of traffic to your home, workplace, or grocery store.

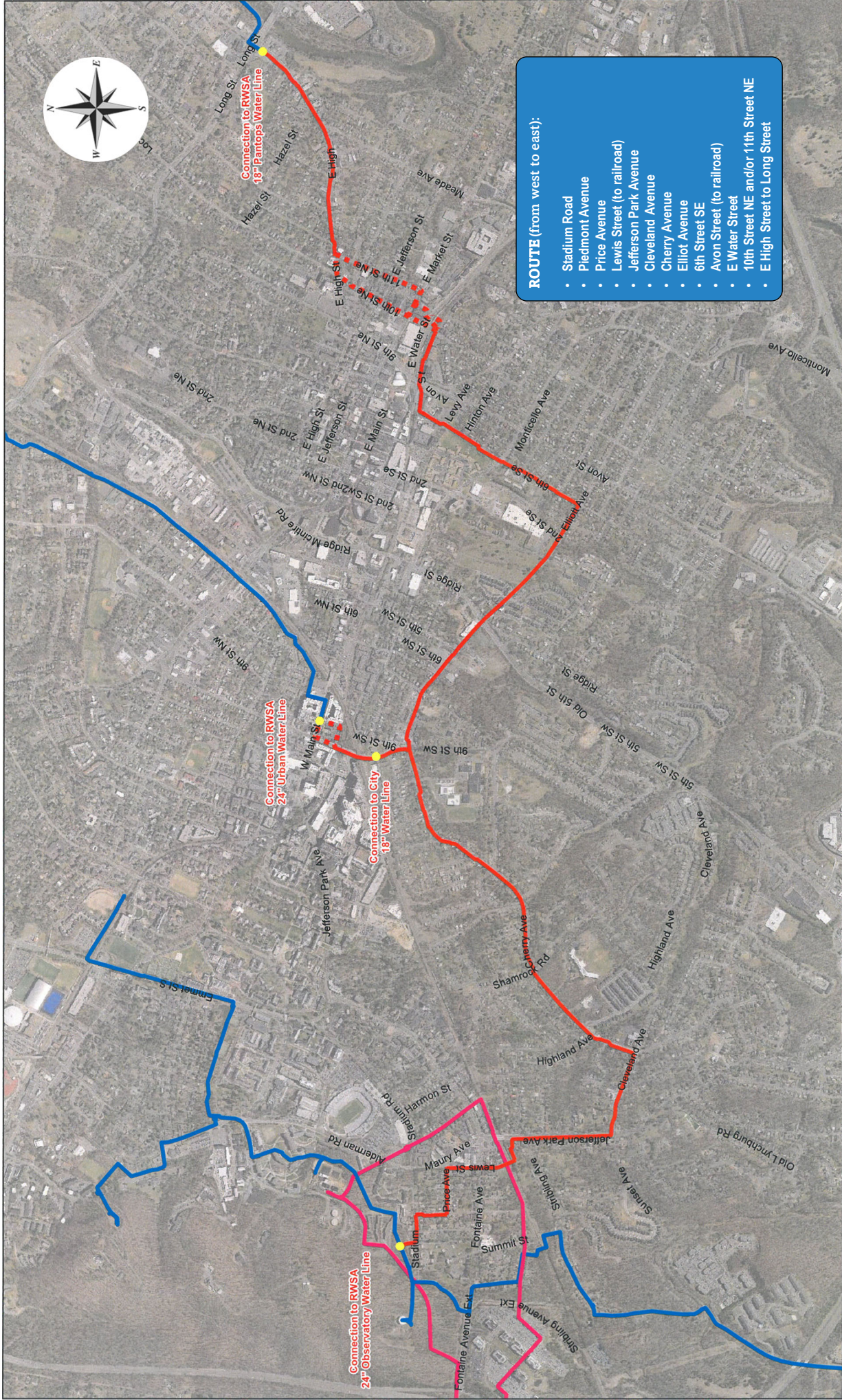
Our community outreach and education program will be proactive to keep you **AND** your community informed about the [Central Water Line Project](#) throughout its design and construction stages.

## ANTICIPATED PROJECT SCHEDULE

Complete Design ..... Fall 2023  
 Start Construction ..... Spring 2024  
 Complete Construction ..... Spring 2029

The preliminary project cost estimate for the Central Water Line Project is **\$31 Million**. The City Utilities Department will support 48% of the project cost, and ACSA will support 52%.

**STAYING INFORMED** – For project updates, visit our Project Web Page: <https://www.rivanna.org/central-water-line-project/>  
**QUESTIONS OR COMMENTS?** Contact Michelle Simpson, PE at (434) 977-2970, Ext. 202 | [msimpson@rivanna.org](mailto:msimpson@rivanna.org)



**ROUTE (from west to east):**

- Stadium Road
- Piedmont Avenue
- Price Avenue
- Lewis Street (to railroad)
- Jefferson Park Avenue
- Cleveland Avenue
- Cherry Avenue
- Elliot Avenue
- 6th Street SE
- Avon Street (to railroad)
- E Water Street
- 10th Street NE and/or 11th Street NE
- E High Street to Long Street

- Proposed Water Main
- - - Proposed Water Main Alternative
- Existing RWSA Potable Water Main
- Existing RWSA Raw Water Main



# CENTRAL WATER LINE PROJECT MAP