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Project
Information
Meeting
1/29/2025



Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Main & Pump Station



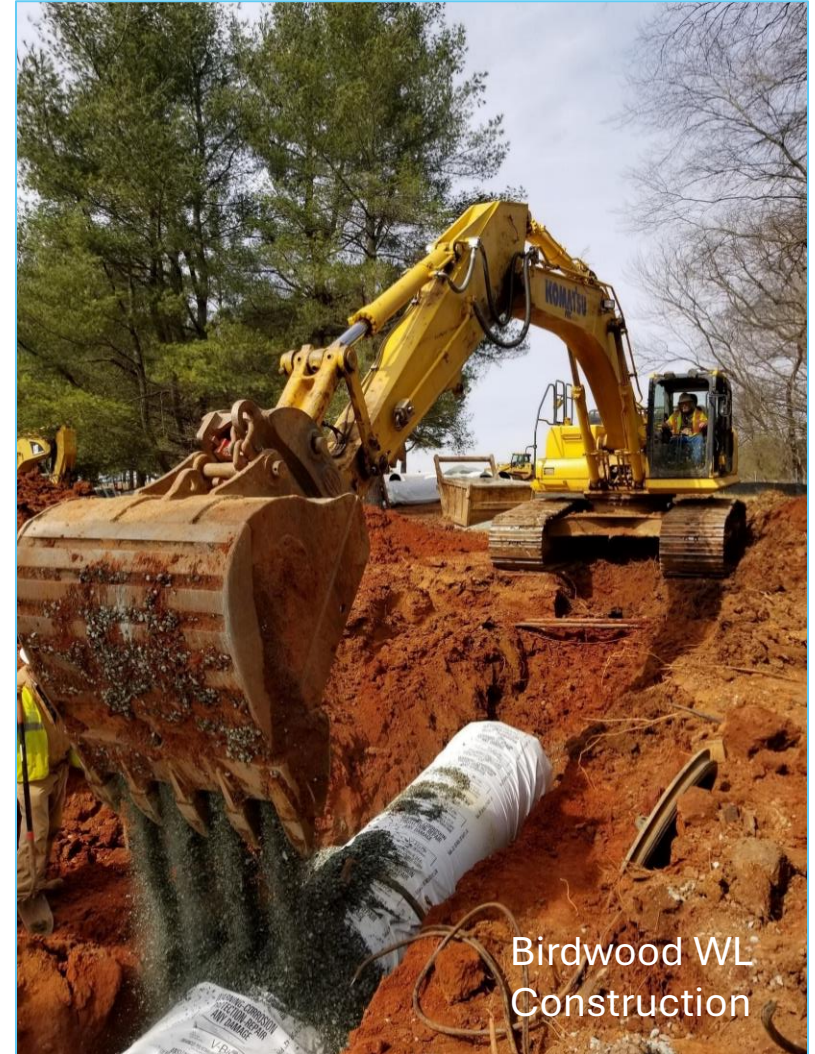
Agenda

Welcome & Overview

- Bill Mawyer, RWSA Executive Director

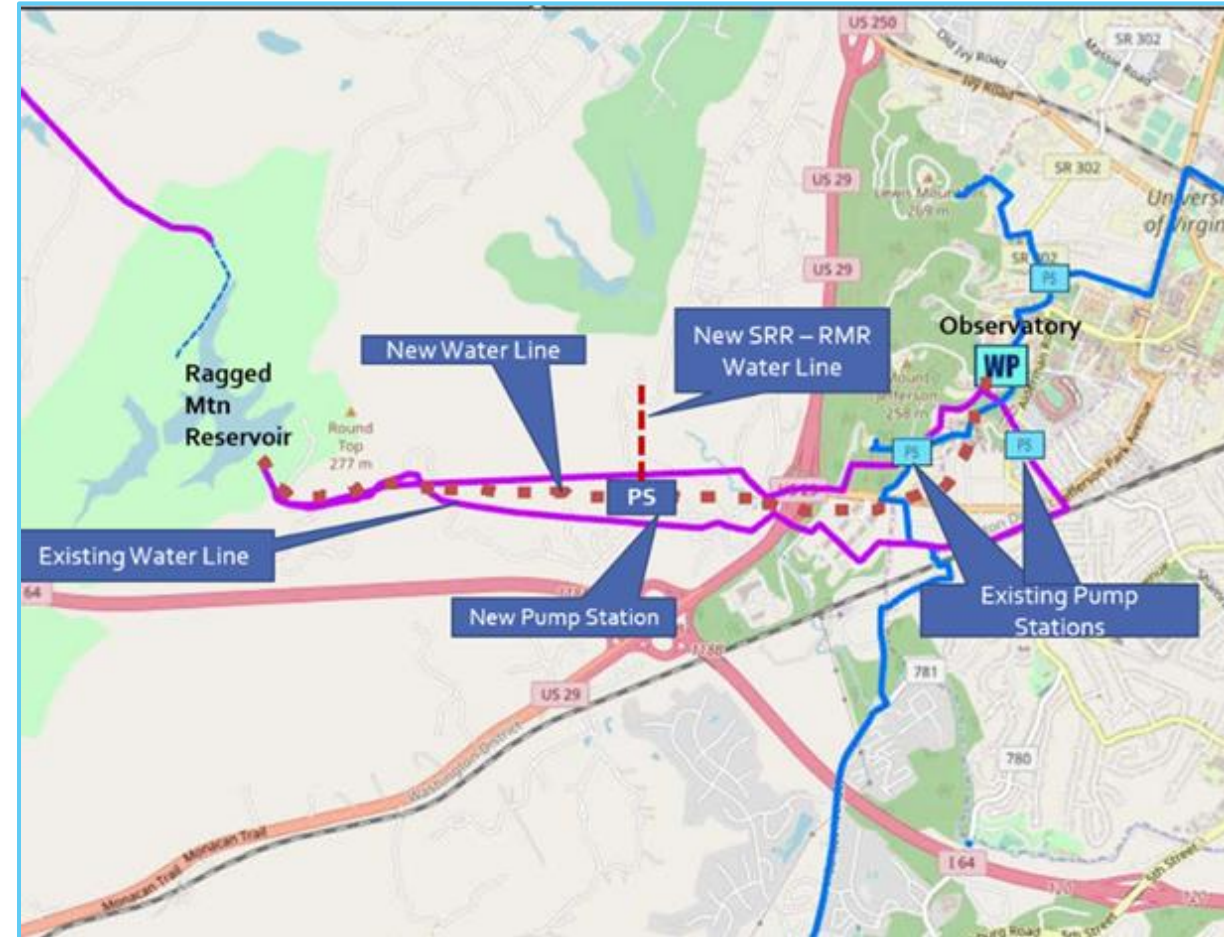
Project Review

- Project Team
- Schedule
- Construction Activities
- Traffic Management
- Coordination/Communication
- Safety



Project Summary

- Purpose: Convey water from the Ragged Mtn Reservoir to the Observatory Water Treatment Plant
- Scope: Construct 4 miles of 36" underground piping and a 4,820 SF masonry water pumping station
- Contractor: Thalle Construction, Hillsborough, NC
- Schedule: February 2025 – July 2029
- Cost: \$62 M
- Funding: Bonds issued by RWSA with support from the public drinking water customers of the Albemarle County Service Authority and the City Utilities Department
- Questions: Rivanna Water and Sewer Authority (RWSA)
 - Website: www.rivanna.org
 - Project Engineer: Austin Marrs, P.E.
434-977-2970, ext. 164
amarrs@rivanna.org



RWSA provides Wholesale Drinking Water and Wastewater Treatment for Two Customers



Rivanna Water and Sewer Authority Board of Directors



Mike Gaffney, RWSA Board Chair



**Jeff Richardson, RWSA Vice-Chair
County Executive, Albemarle County**



**Sam Sanders, RWSA Secretary-Treasurer
City Manager, Charlottesville**



**Brian Pinkston, Vice-Mayor
Charlottesville City Council**



**Ann Mallek, Supervisor
Albemarle County Board of Supervisors**

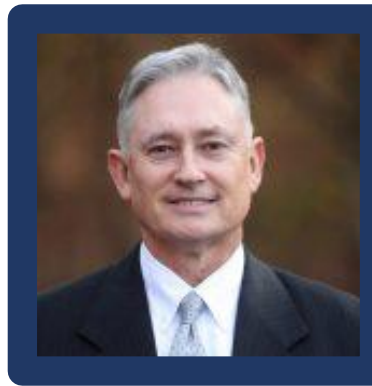


**Lauren Hildebrand
Director of Utilities
City of Charlottesville**

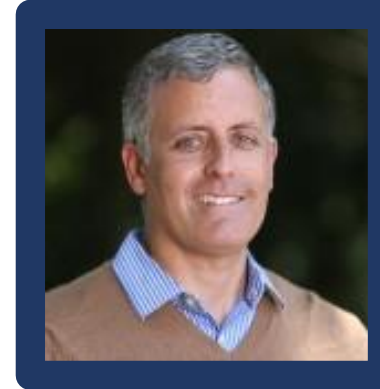


**Quin Lunsford
Executive Director
Albemarle County Service Authority**

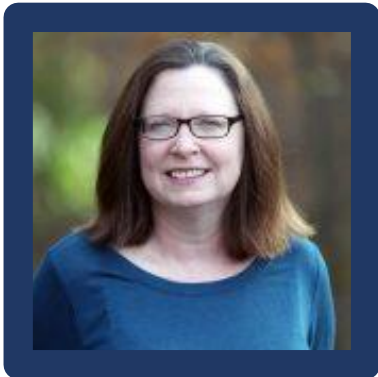
Rivanna Water & Sewer Authority and Rivanna Solid Waste Authority Executive Leadership



Bill Mawyer
Executive Director
RWSA and RSWA



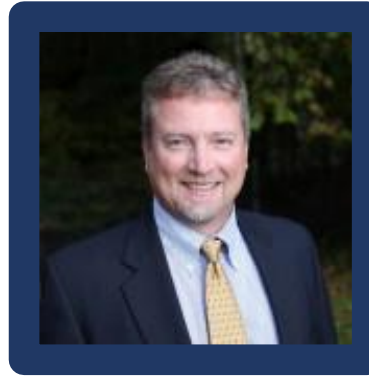
Dave Tungate
Deputy Executive Director



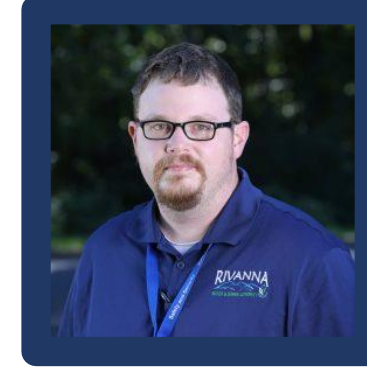
Betsy Nemeth
Director of Administration
and Communications



Jennifer Whitaker
Director of Engineering
and Maintenance



Lonnie Wood
Director of Finance and
Information Technology

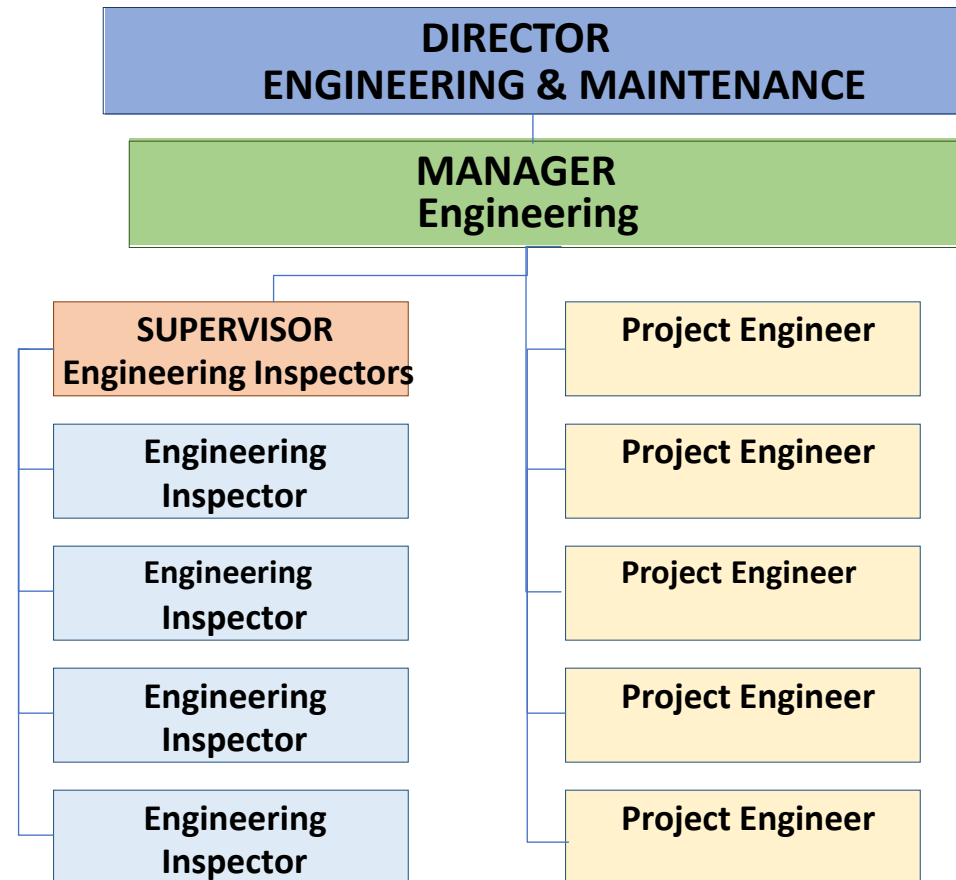


Daniel Campbell
Director of Operations and
Environmental Services



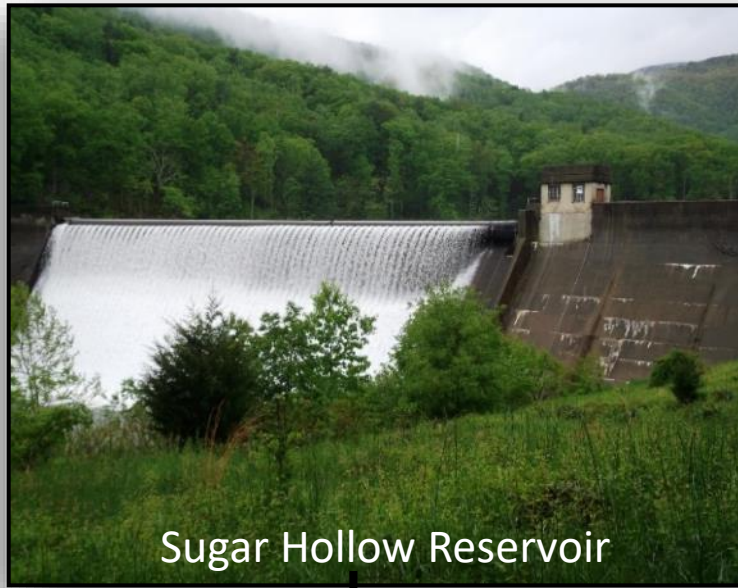
Phil McKalips
Director of Solid Waste

Capital Projects Management Team





South Fork Rivanna Reservoir



Sugar Hollow Reservoir



Ragged Mountain Reservoir



Beaver Creek Reservoir - Crozet

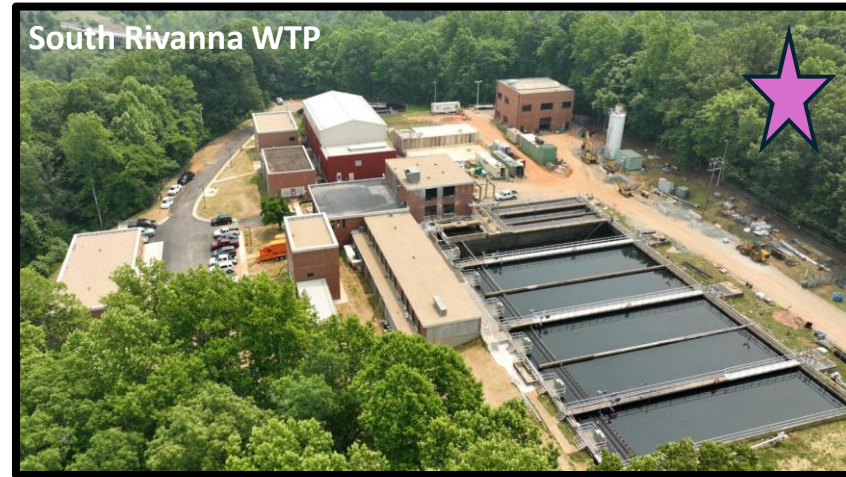


Totier Creek Reservoir - Scottsville

Urban
Area

3.3 Billion Gallons

5 Water Supply Reservoirs



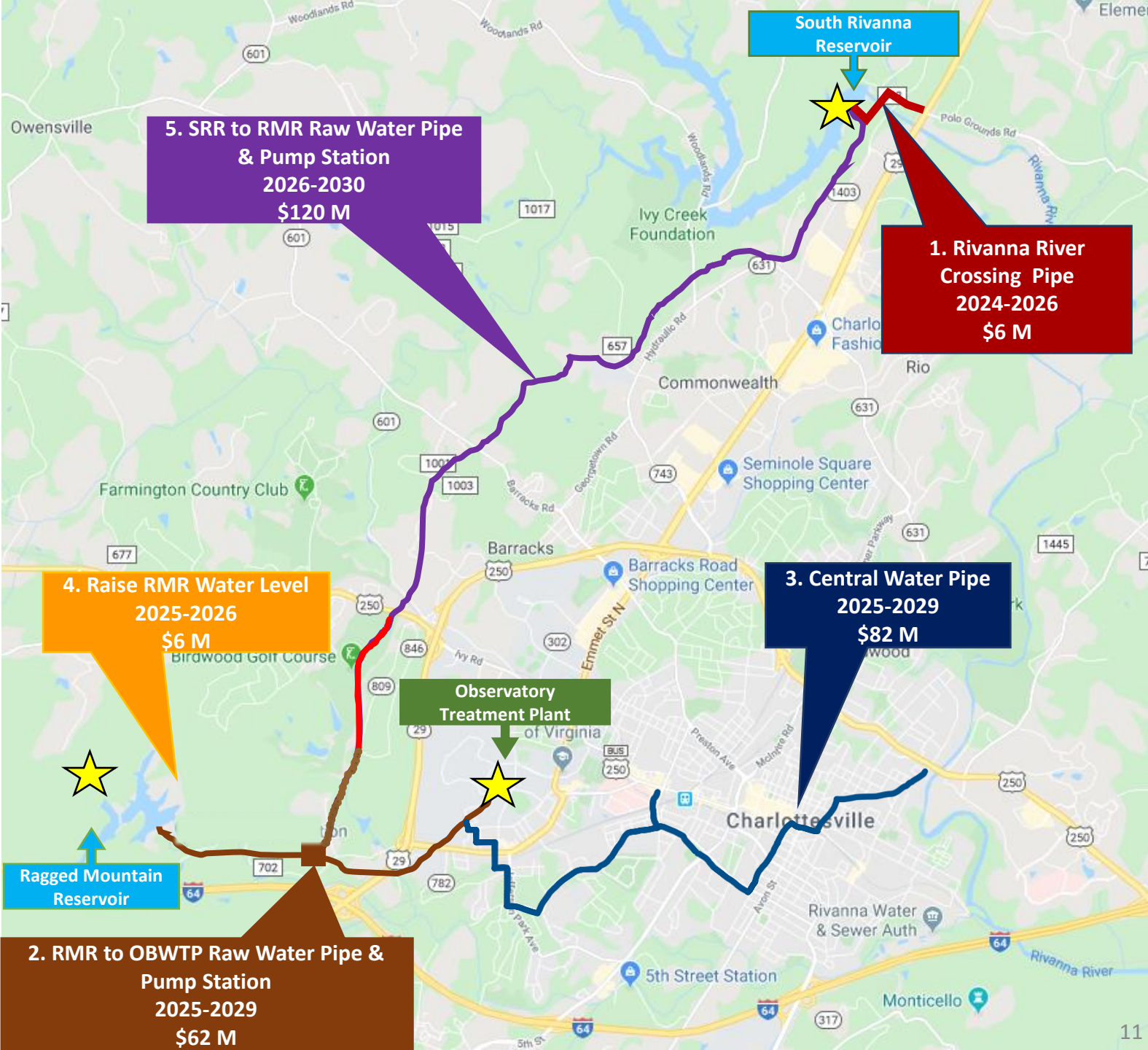
URBAN AREA



6 Water Treatment Plants



4 Wastewater Treatment Plants



Water Supply Projects

(January 22, 2025)

Total Project Cost	
1. Rivanna River Crossing Pipe 2024-2026 <i>Awarded June 2024</i> 100% ACSA	\$6 M
2. RMR to OBWTP Raw Water Pipe & Pump Station 2025-2029 <i>Awarded Oct 2024</i> <i>Pipe: 80% ACSA / 20% City</i> <i>PS: 72% ACSA / 28% City</i>	\$62 M
3. Central Water Pipe, Ph 1 & 2 2025-2029: <i>Award May 2025</i> 52% ACSA / 48% City	\$82 M
4. Raise RMR Water Level 2025-2026: <i>Award June 2025</i> 80% ACSA / 20% City	\$6 M
5. SRR to RMR Raw Water Pipe 2026-2030: <i>Award Jan 2026</i> 80% ACSA / 20% City	\$120 M
ACSA \$196 M City Utilities \$80 M	\$276 M

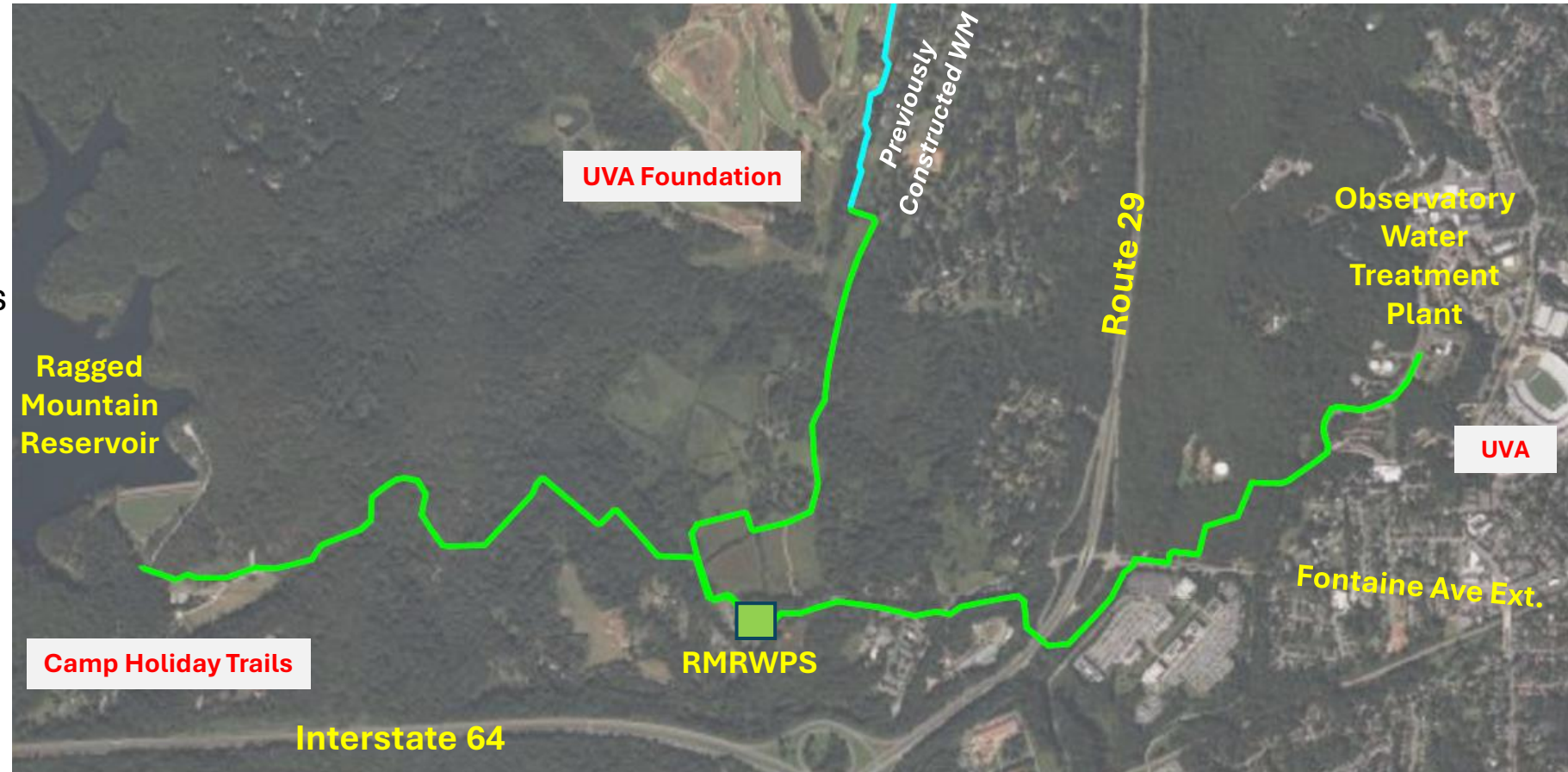
Project Team

- RWSA – Owner
 - G. Austin Marrs, P.E – Project Manager
- Kimley-Horn & Associates – Design Engineer
- Thalle Construction Company, Inc. – Contractor
- Project Stakeholders –
 - UVA
 - UVA Foundation
 - Camp Holiday Trails



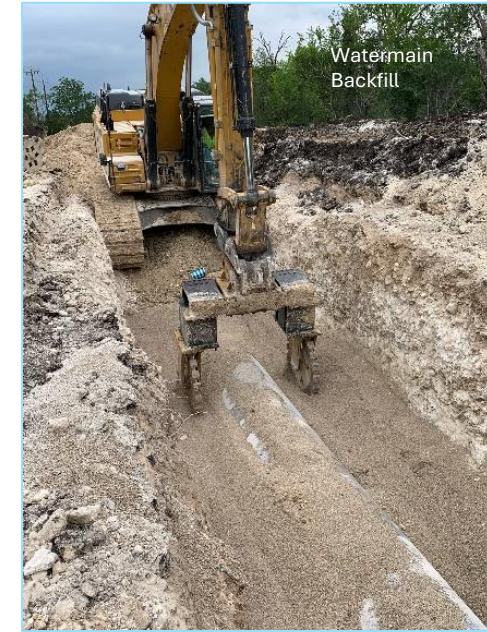
Project Overview

- 4 miles of 36" Ductile Iron Raw Water Main
 - Replaces piping dating back to 1908
- Ragged Mountain Raw Water Pump Station
 - Initially 10 million gallons per day
 - Replaces two pump stations dating back to the 1950s
 - Will help RWSA utilize recent capacity expansion at OBWTP
- Interconnect with future South Fork Rivanna Reservoir to Ragged Mountain Pipeline
- Duration: 2025 -2029

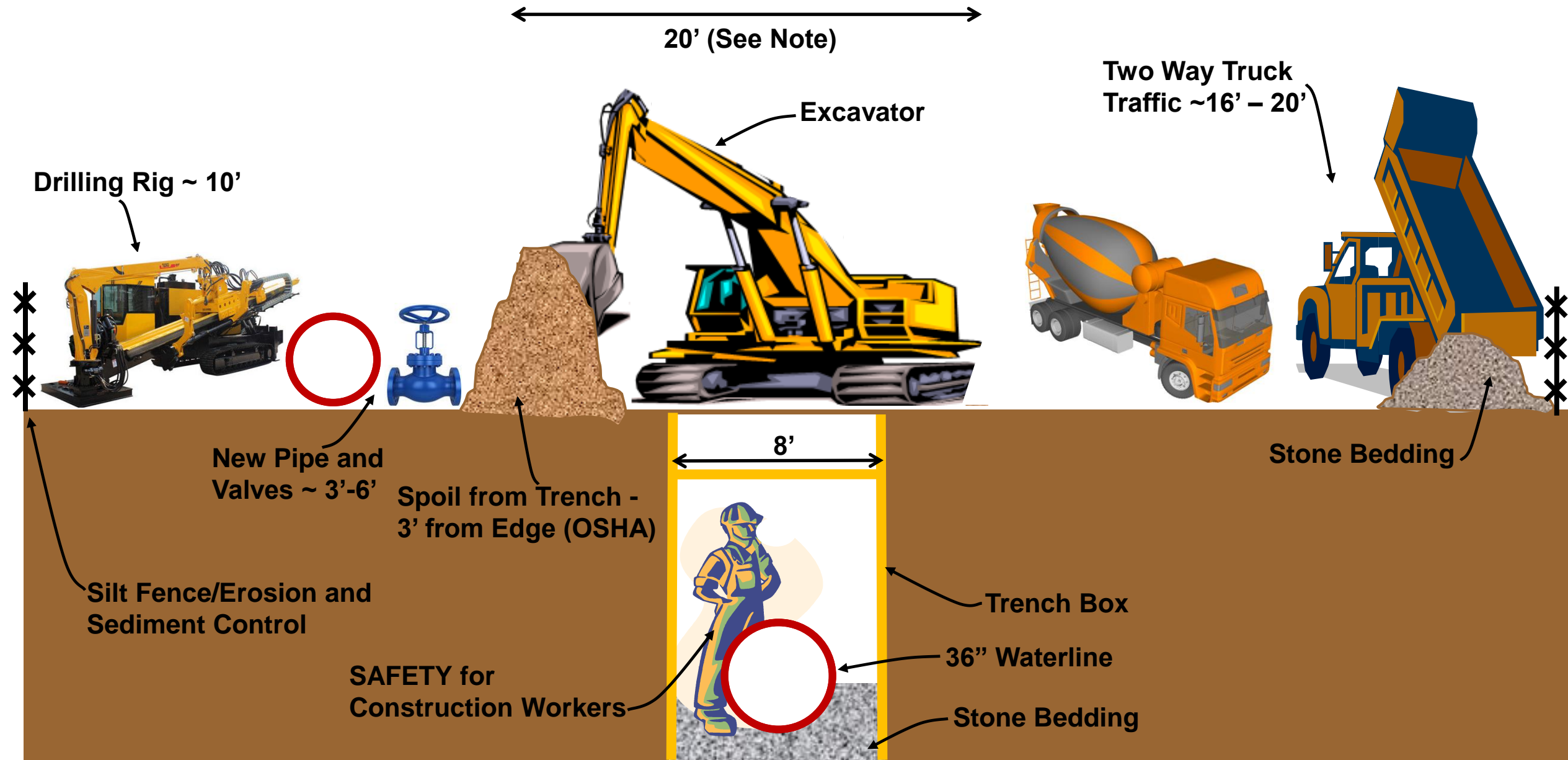


Construction Activities

- Clearing and Grubbing
 - Removal of trees, shrubs, other vegetation
 - Provide a clear and stable area for construction
- Open Trench Pipe Installation
 - Excavate trench
 - Install pipe
 - Fill trench with soil, compact to prevent settling
- Jack and Bore Pipe Installation (*under Route 29*)
 - Excavate bore pits
 - Jack to push a drill bit through the ground to create a hole
 - Pull pipe through the hole
- Water Pump Station on Reservoir Road
 - 4,820 SF masonry building near Regents School



Heavy Construction in the Easement – A Balancing Act



Note: Minimum width required for Excavator operating with arm contracted (not extended)

Construction Activities: Contractor Requirements

- All work will be performed within easement areas.
 - No access outside easement areas
 - Work Hours: 7 AM – 6 PM, Monday – Friday
 - Weekend/Holiday Work – Only with written authorization by RWSA
- Main Access: Reservoir Road
- Jobsite Trailer and Materials Storage: Pump Station Site
- RWSA will keep property owners informed of pertinent schedule updates.
 - Website updates – monthly, at a minimum
 - Email updates

Safety

To ensure safety of both workers and the public

- Highly visible signs, flags, barriers
- Temporary security fencing/ barriers around construction activities
- Warning signs in vehicle/ pedestrian traffic areas
 - Clear information regarding detours and restricted zones
- Safety personnel to monitor public access to ongoing construction activities

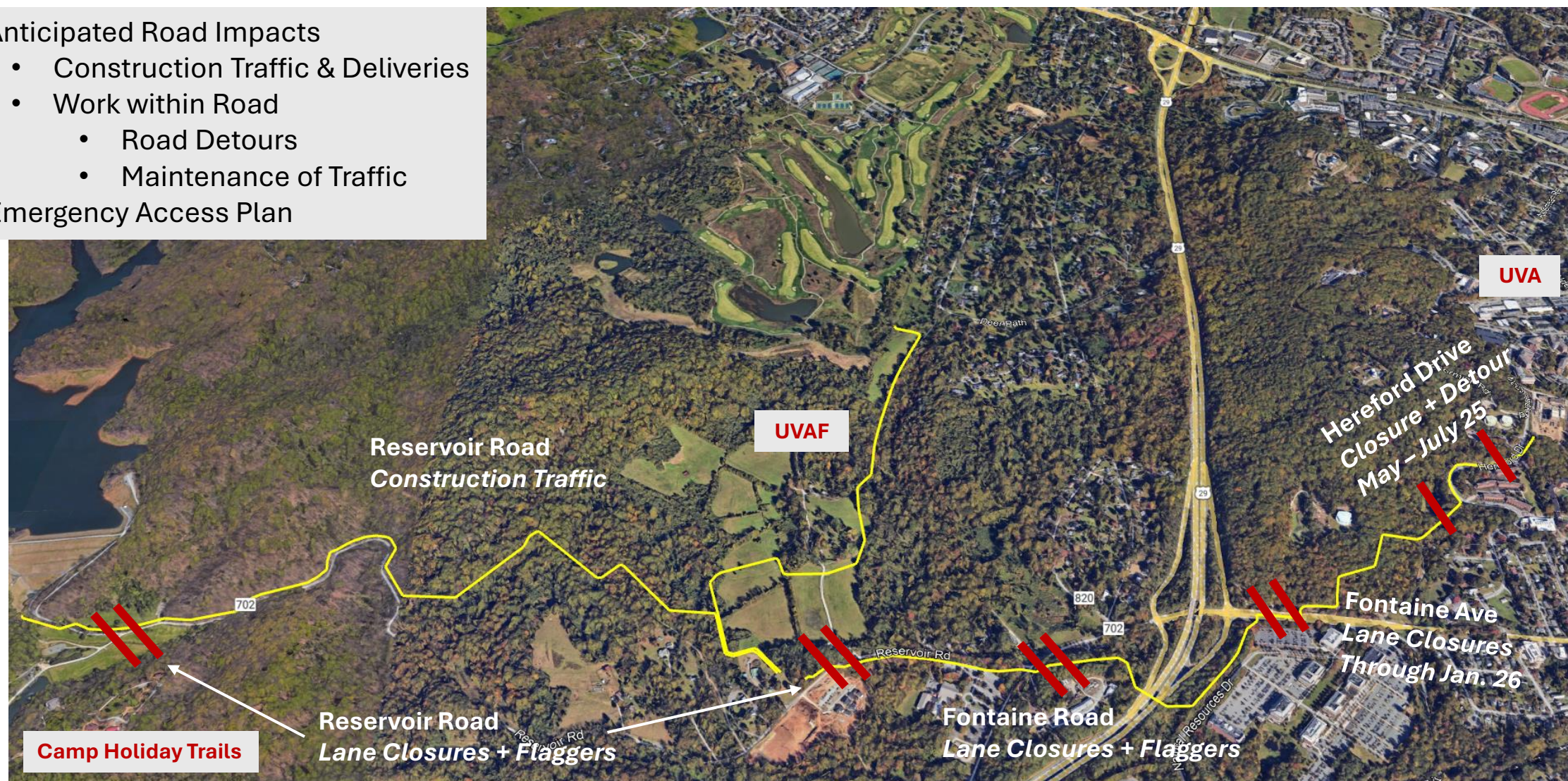


Access Plan

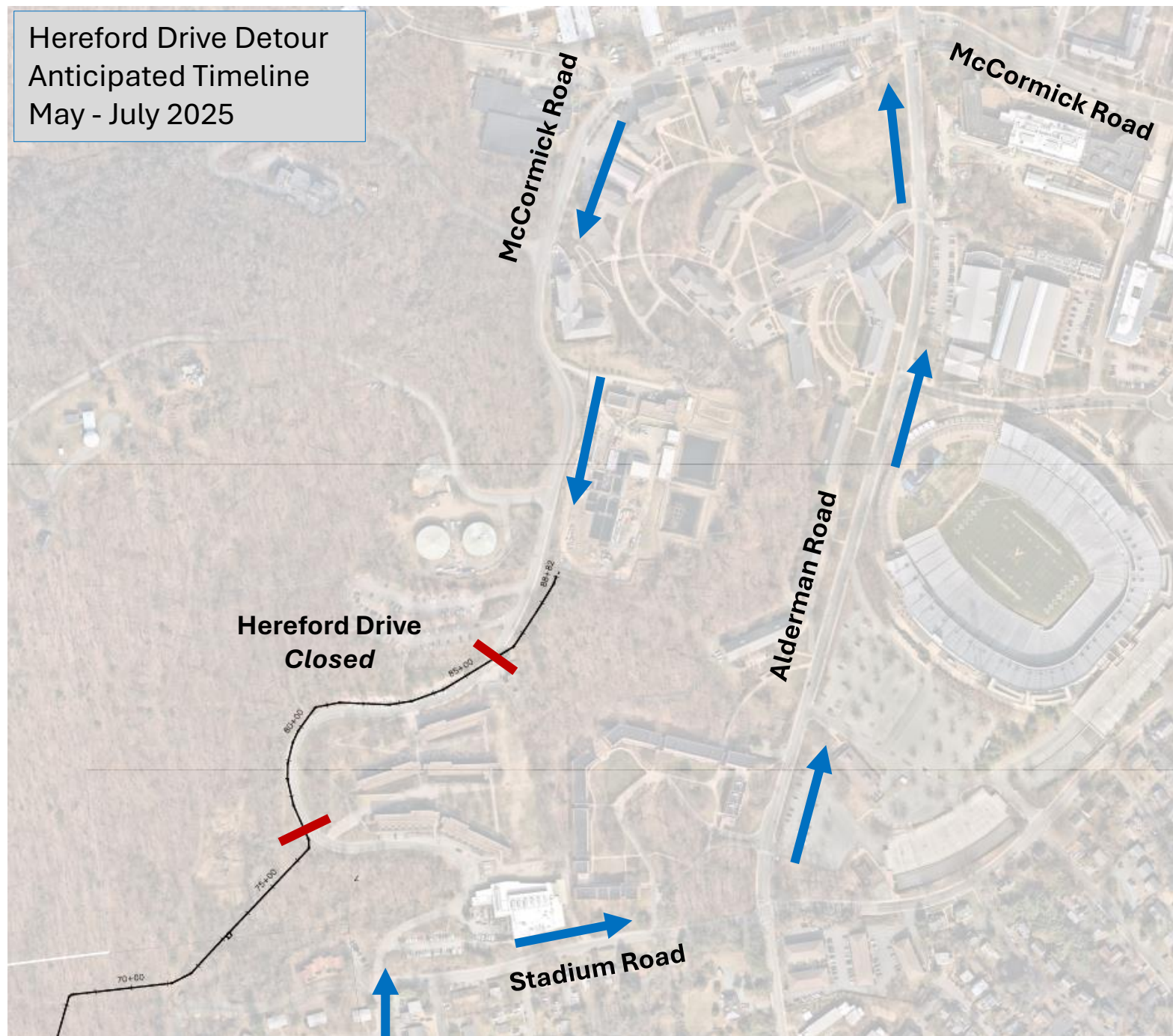
- Coordinate with local emergency responders to provide access at all times.
 - Reservoir Road is anticipated to be open local, school, mail, and other routine traffic at all times during the Work.
- In the event of an emergency:
 - Stoppage of all construction and public traffic
 - Public traffic will be directed to the nearest pull off point
 - Flaggers to control public traffic and direct emergency vehicle access
- Steel plates will be on site at all times during work within roadway.
 - Plates can be used to cover open trenches and provide emergency access
- Plan will be exercised at the beginning of the project, and monthly thereafter.

Access: Construction Traffic + Road Closures + Detours

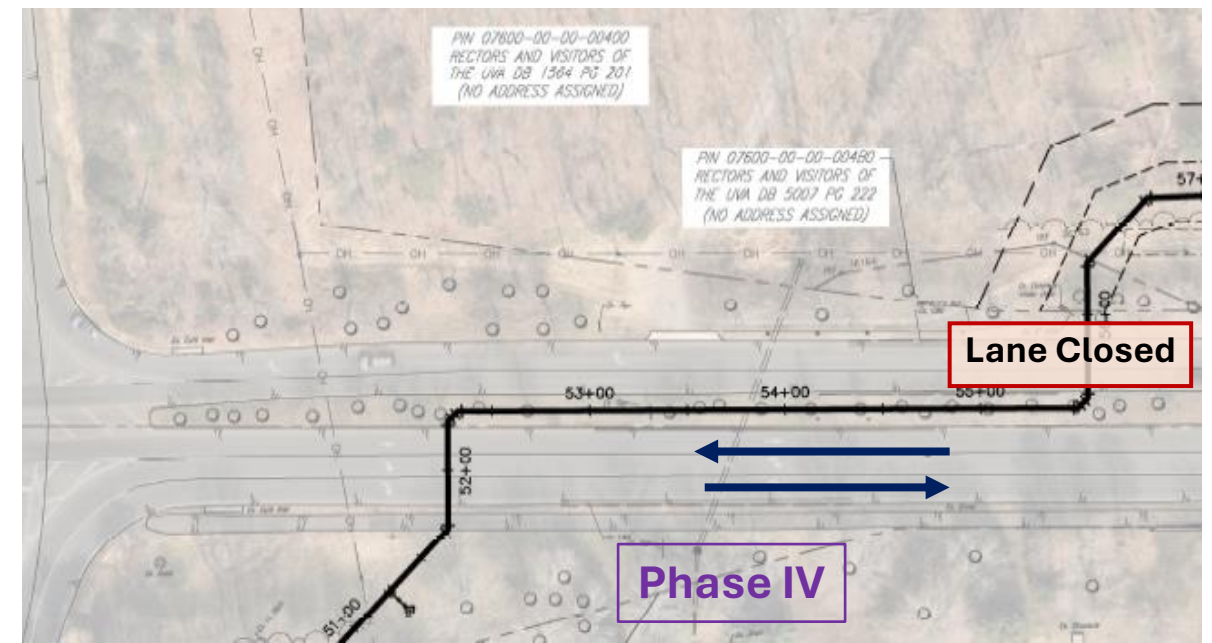
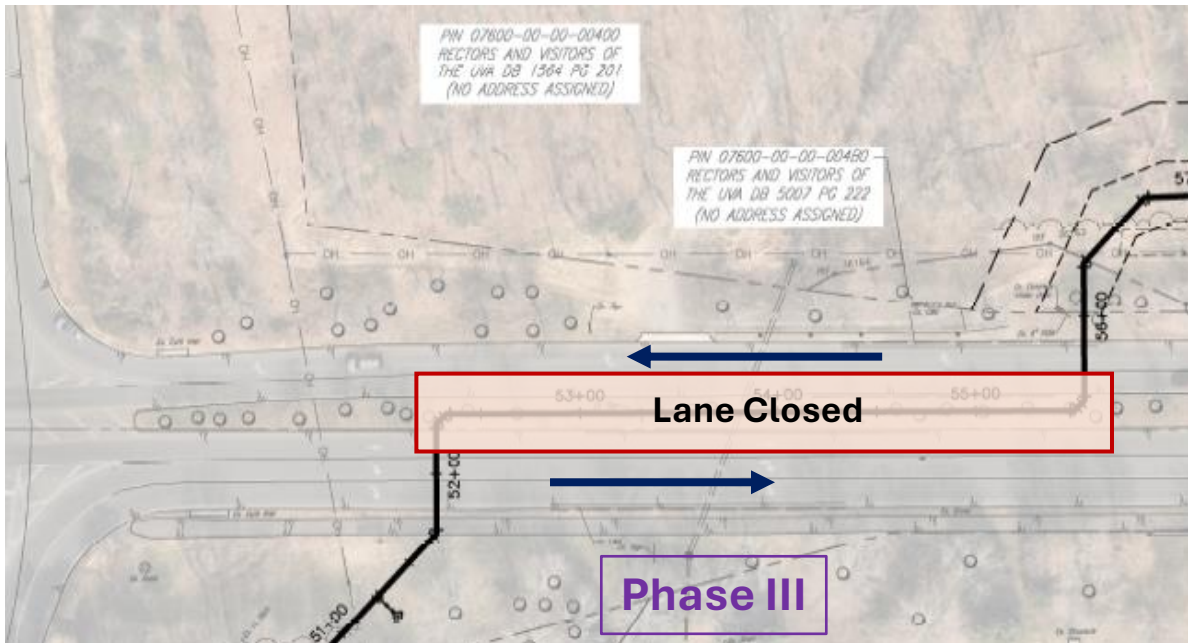
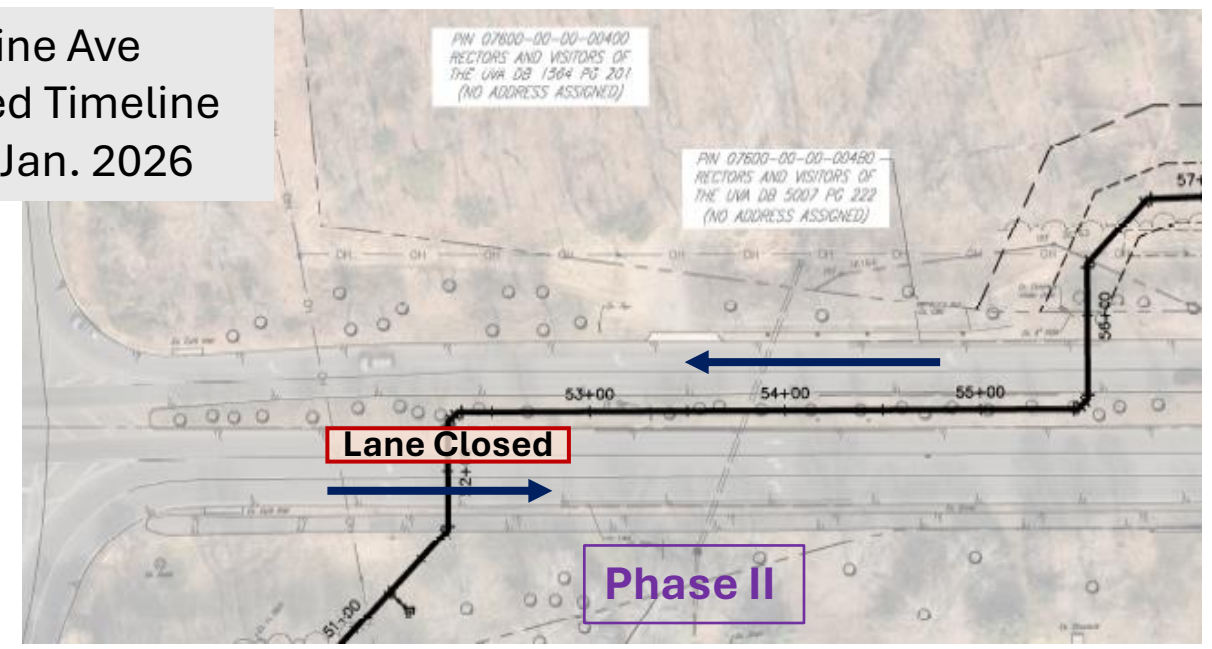
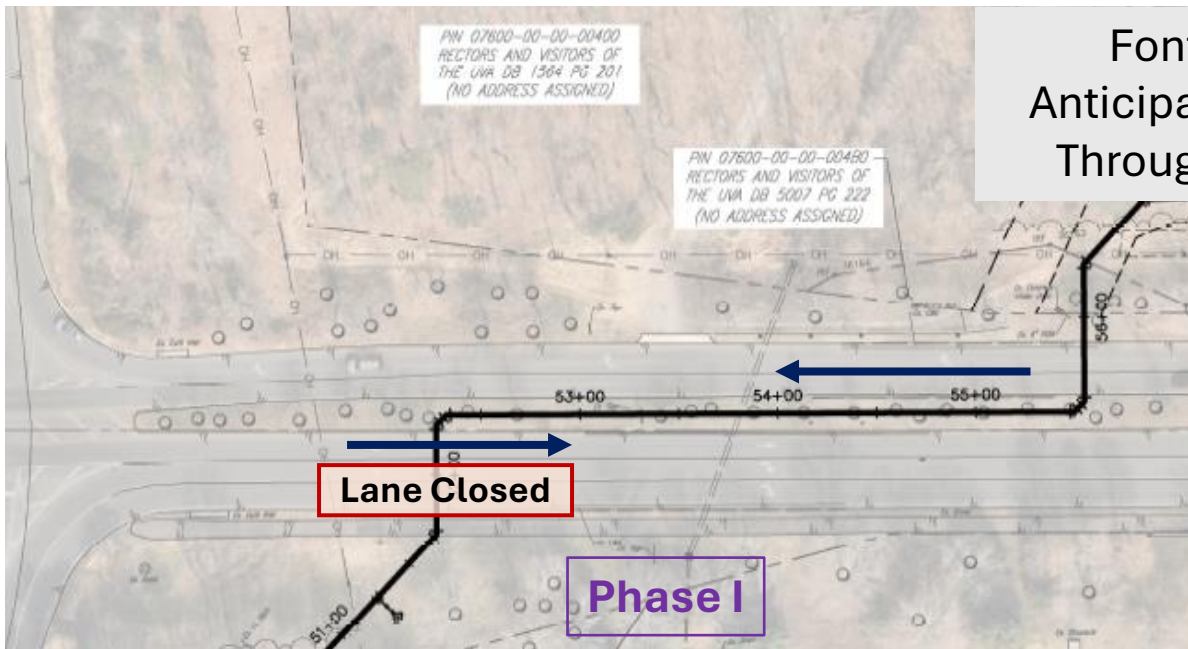
- Anticipated Road Impacts
 - Construction Traffic & Deliveries
 - Work within Road
 - Road Detours
 - Maintenance of Traffic
- Emergency Access Plan



Hereford Drive Detour
Anticipated Timeline
May - July 2025



Fontaine Ave Anticipated Timeline Through Jan. 2026



Coordination with Community

- UVA
 - Graduation – May
 - Football: Sept - Nov
 - Move Out/ Move In: August/May
 - Trails
- Camp Holiday Trails Sessions
 - Coordinate with Camp Schedule
 - Emergency Access
- Other Construction Projects
 - Fontaine Research Park
 - UVA Grounds
 - VDOT




Site Walk w/UVA –
August 2023

Communications Plan

- Project Webpage
 - <https://www.rivanna.org/>
 - Webpage located under “Construction Projects”
 - Webpage to be updated monthly, at a minimum
- Signage
 - Contractor will post signage at upcoming work sites, 30 days in advance, especially around high traffic areas (UVA Grounds).
- Emails
 - RWSA will provide monthly updates to all known email contacts in the project corridor.
 - Sign-In Sheet!
- Project-Related Questions: G. Austin Marrs, P.E.
434-977-2970, ext. 164
amarrs@rivanna.org

Who We Are » What we do » Newsroom » Press Releases Employment Opportunities Contact Us

Emergency or Routine Calls: **434-977-2970**



RSWA and RWSA Regular Board Meetings on 1-28-25

Board Meetings will be held at Rivanna Administration Offices (2nd floor conference room), 695 Moores Creek Lane, Charlottesville, VA. [Click here for more information](#)


[Read More](#)

Upcoming Events

JAN 9 Thu	4:00 pm Invitation for Bids – Central Wa...
JAN 14 Tue	4:00 pm Invitation for Bids – RSWA Balin...
JAN 28 Tue	2:00 pm RSWA Regular Board Meeting @ Riv... 2:15 pm RWSA Regular Board Meeting @ Rivanna Administration Building - 2nd Floor


" Our knowledgeable and professional team serves the Charlottesville, Albemarle, and UVA community by providing high-quality water and wastewater treatment, refuse, and recycling services in a financially responsible and sustainable manner. "

Recent Events




2024 Imagine a Day without Water Art Contest Winners!
December 23, 2024

2024 Imagine a Day without Water Art Contest Winners! Judges ...



Great Pumpkin Smash at McIntire Recycling Center
October 29, 2024

Go green this Halloween and compost your pumpkin! Rivanna Solid ...



Imagine A Day Without Water
October 8, 2024

We are excited to announce that the City of Charlottesville, ...

Questions?



Thank you!!

