

Lincoln-Lewis-Vannoy (LLV) System Improvements Project Phase 1 – Construction Project

Wastewater Project – Virtual Community Meeting
Microsoft Teams – August 9, 2023, at 6:30 p.m.

Fairfax County Project Manager: Matthew Doyle, P.E.,
Project Engineer: Michael Baker International

Department of Public Works and Environmental Services
Working for You!



A Fairfax County, VA, publication
August 2023

Michael Baker
INTERNATIONAL

Agenda

1. Project Team Introductions & Attendee Virtual Sign-In
2. Project Location
3. Project Background & Need
4. Design Phase
5. Construction Phase
6. Project Schedule
7. Questions and Answers



Project Team Introductions & Attendee Virtual Sign-In

- **Fairfax County:**
 - Matthew Doyle, P.E. – Project Manager
 - Department of Public Works and Environmental Services (DPWES) – Capital Facilities – Wastewater Design and Construction Division – Wastewater Collection Branch
 - Amy Linderman, P.E. – Senior Engineer III
 - DPWES – Wastewater Management – Wastewater Collection Division
- **Michael Baker Project Team:**
 - Andrew MacNeill, PE, CPSM – Project Manager

Michael Baker
INTERNATIONAL

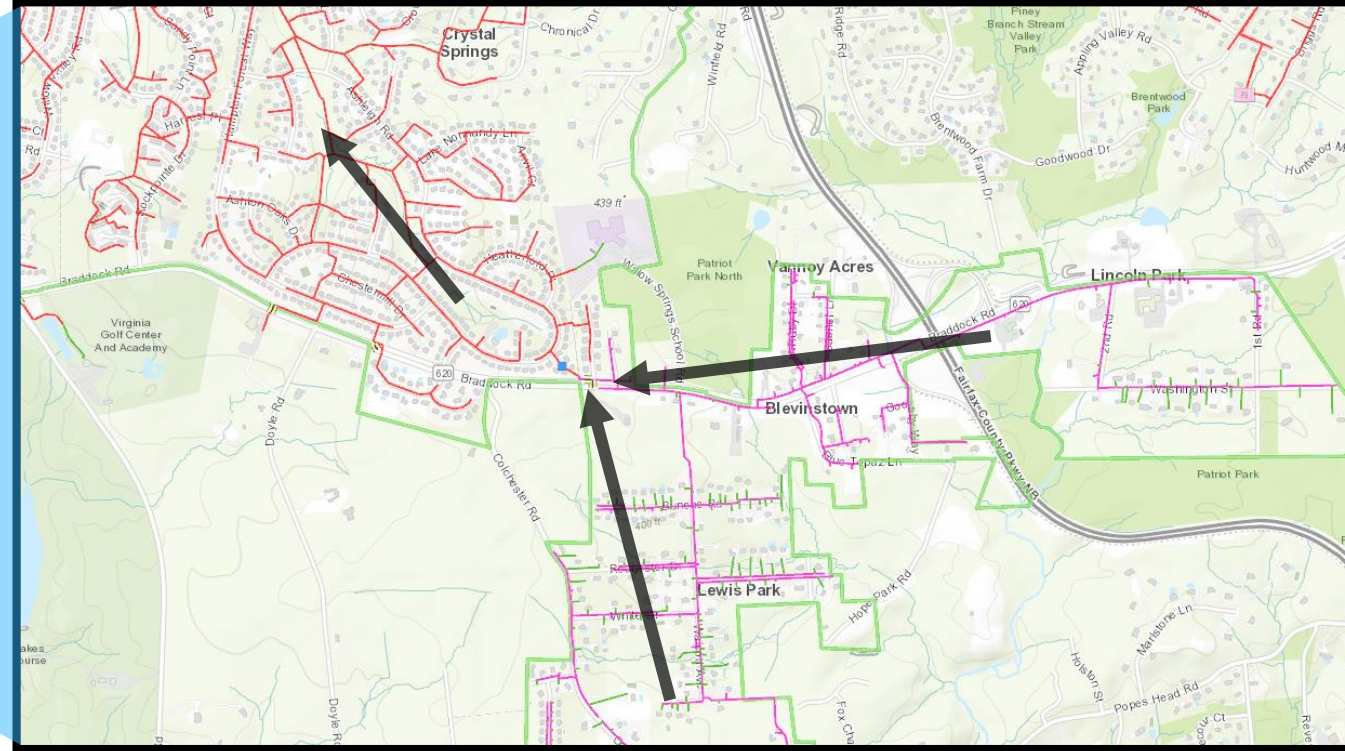
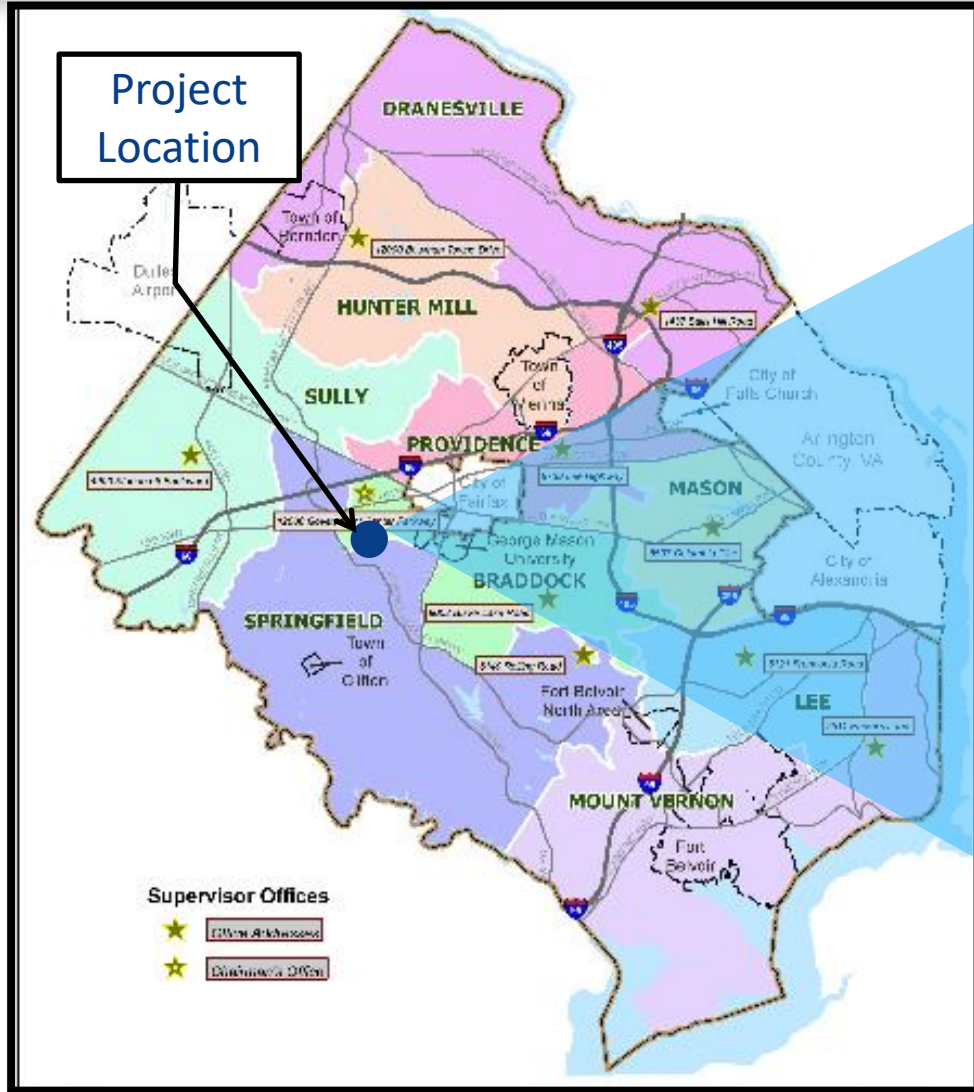


Virtual Meeting Administrative Items

- Attendee Virtual Sign-In
 - Email me @ Matthew.Doyle2@fairfaxcounty.gov - Name, Property Address, Email, Phone Number
 - Chat Board off to the side
- To reduce feedback, please remain on mute until the end of the presentation during the Q&A
- The chat board on the right-side of your screen is available throughout the presentation



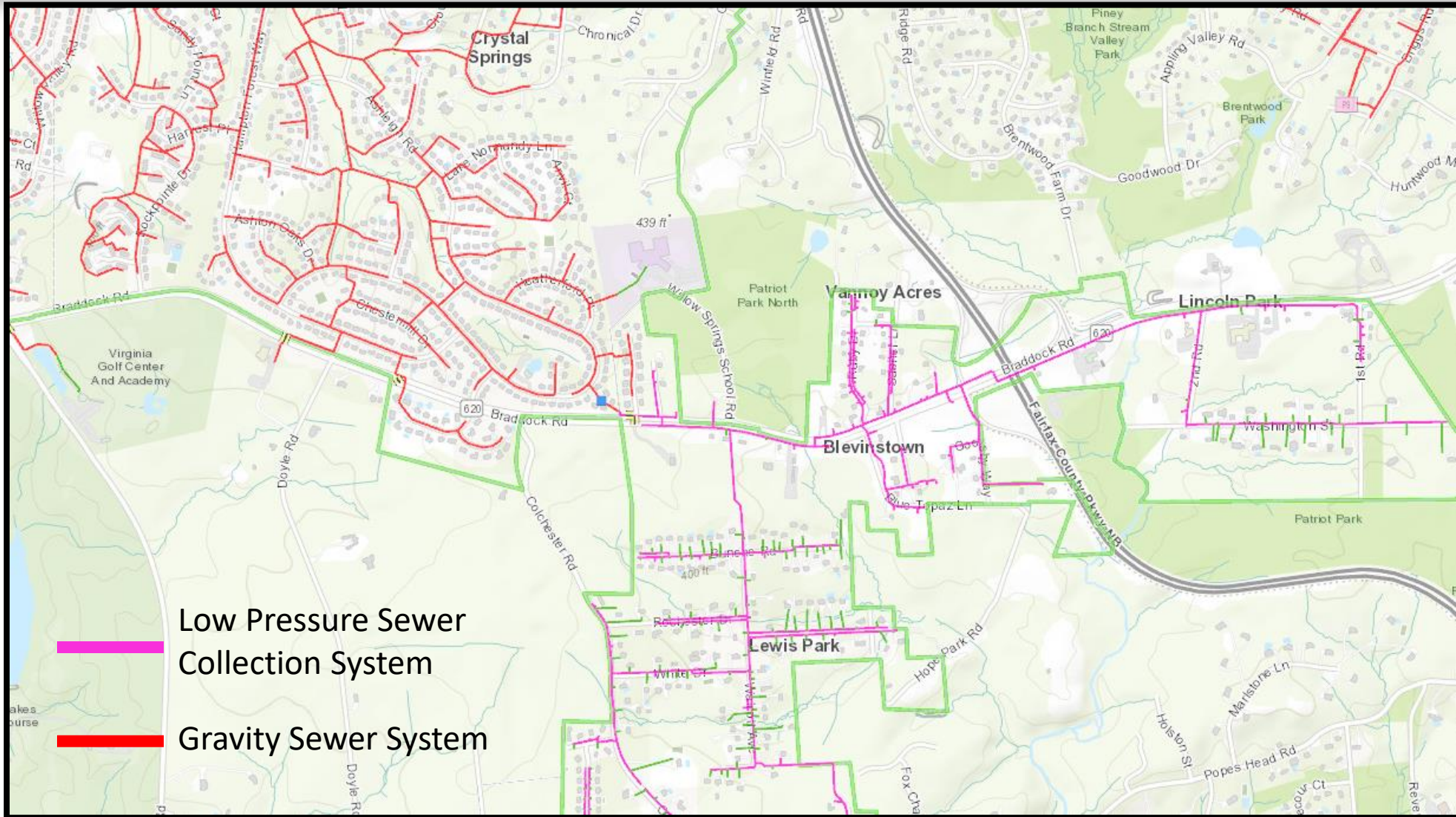
Project Location



↑ Flow Direction



Project Location



Project Background & Need

- Low Pressure Sewer Collection System
- Aging valves & piping
- Potential of causing :
 - Sanitary Sewer Overflows (SSO)
 - Sewer back-ups into homes
 - Environmental damages
 - Maintenance problems



Design Phase – Gravity Sewer Improvements

- Included in a near-complete Design:
 - Final sewer alignment
 - Proposed gravity and low-pressure force main sewer on North and South sides of Braddock Road
 - Abandon existing sewer force main
 - Manhole locations and material selection
 - Existing utility coordination
 - By-pass sewer on North and South sides of Braddock Road
 - Temporary service outage plan

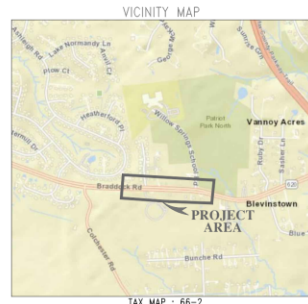
FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS
AND ENVIRONMENTAL SERVICES

LINCOLN-LEWIS-VANNOY SYSTEM IMPROVEMENTS PROJECT PHASE 1

95% SUBMITTAL
NOT FOR CONSTRUCTION

PROJECT NO. WW-000001-026

MAY 2023



SHEET LIST	
SHEET #	TITLE
1	COVER SHEET & VICINITY MAP
2	GENERAL NOTES 1
3	GENERAL NOTES 2
4	GENERAL NOTES 3
5	SEQUENCE OF CONSTRUCTION
6	EXISTING CONDITIONS
7	FORCE MAIN ALIGNMENT OVERVIEW
8	PLAN VIEW & PROFILE – ALIGNMENT 1 (STA. 0+00 TO STA. 4+50)
9	PLAN VIEW & PROFILE – ALIGNMENT 2A (STA. 0+00 TO STA. 5+00)
10	PLAN VIEW & PROFILE – ALIGNMENT 2B (STA. 0+00 TO STA. 10+25)
11	PLAN VIEW & PROFILE – ALIGNMENT 2B (STA. 0+00 TO STA. 5+00)
12	PLAN VIEW & PROFILE – ALIGNMENT 2B (STA. 5+00 TO STA. 7+85)
13	PLAN VIEW & PROFILE 12" DUCTILE IRON CASING (STA. 0+00 TO STA. 1+00)
14	LINESTOP AND BYPASS DETAIL
15	CIVIL DETAILS 1
16	CIVIL DETAILS 2
17	CIVIL DETAILS 3
18	CIVIL DETAILS 4
19	CIVIL DETAILS 5
20	EROSION AND SEDIMENT CONTROL PLAN
21	EROSION AND SEDIMENT CONTROL DETAILS 1
22	EROSION AND SEDIMENT CONTROL DETAILS 2
23	EROSION AND SEDIMENT CONTROL DETAILS 3
24	TEMPORARY TRAFFIC CONTROL NOTES
25	PEDESTRIAN DETOUR PHASE 1
26	PEDESTRIAN DETOUR PHASE 2
27	PEDESTRIAN DETOUR PHASE 2

REVIEWED AND APPROVED FOR STORMWATER COMPLIANCE

Certified Stormwater Management Reviewer _____ DATE _____

Certified Erosion and Sediment Control Reviewer _____ DATE _____

The above review is required for projects that apply through the Local Development Services site plan review process and with a base delineation plan to permit construction.

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

DIRECTOR, Wastewater Design and Construction Division _____ DATE _____

DIRECTOR, Wastewater Collection Division _____ DATE _____

APPROVED _____

DESIGNED BY: S. SONG
CHECKED BY: S. SONG
CHECKED BY: A. WATSON

DATE: 5/1/23

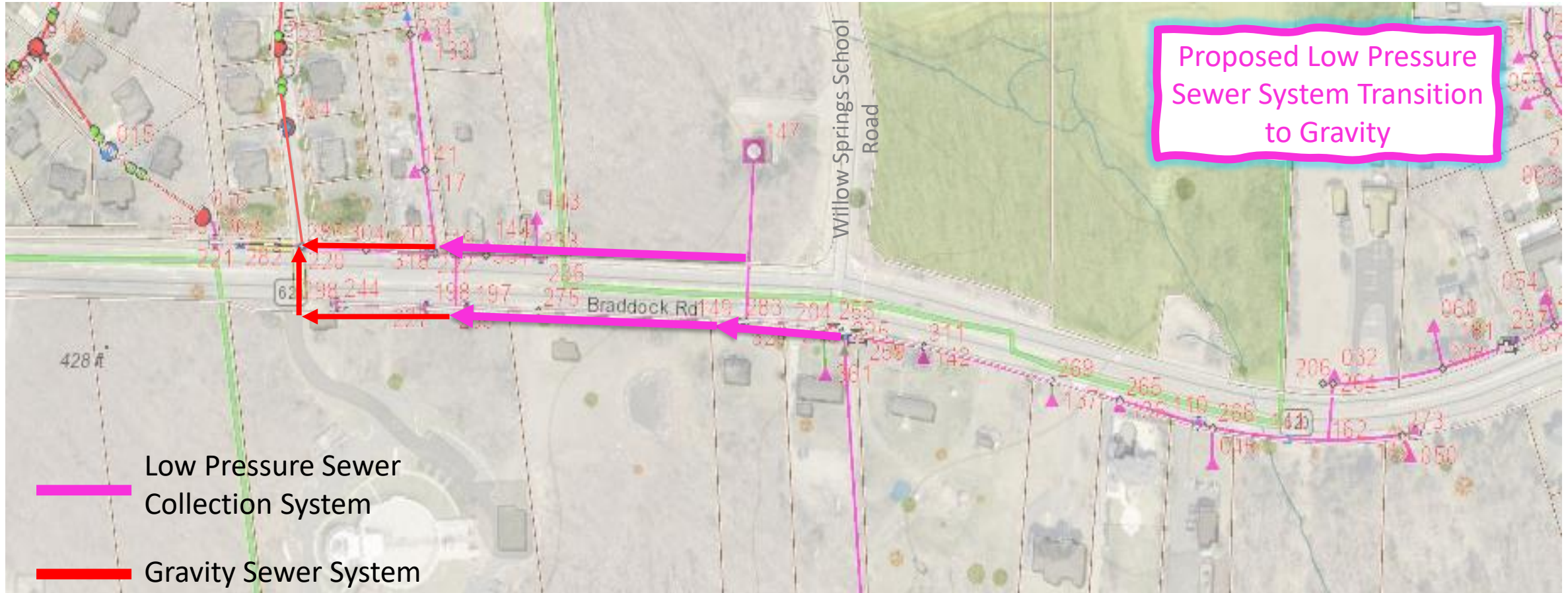
SCALE: N/A

SHEET: 1 OF 27

FAIRFAX COUNTY, VIRGINIA
DEPARTMENT OF PUBLIC WORKS
AND ENVIRONMENTAL SERVICES
CAPITAL FACILITIES
WASTEWATER DESIGN & CONSTRUCTION DIVISION
PROJECT NO. WW-000001-026
SHEET: 1 OF 27

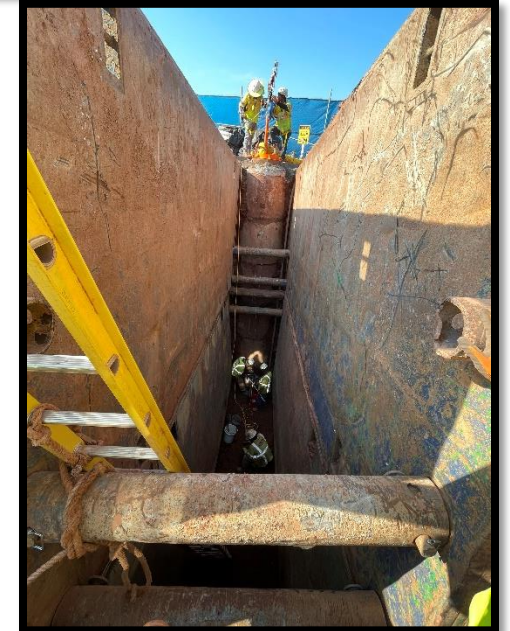


Design Phase - Gravity Sewer Improvements



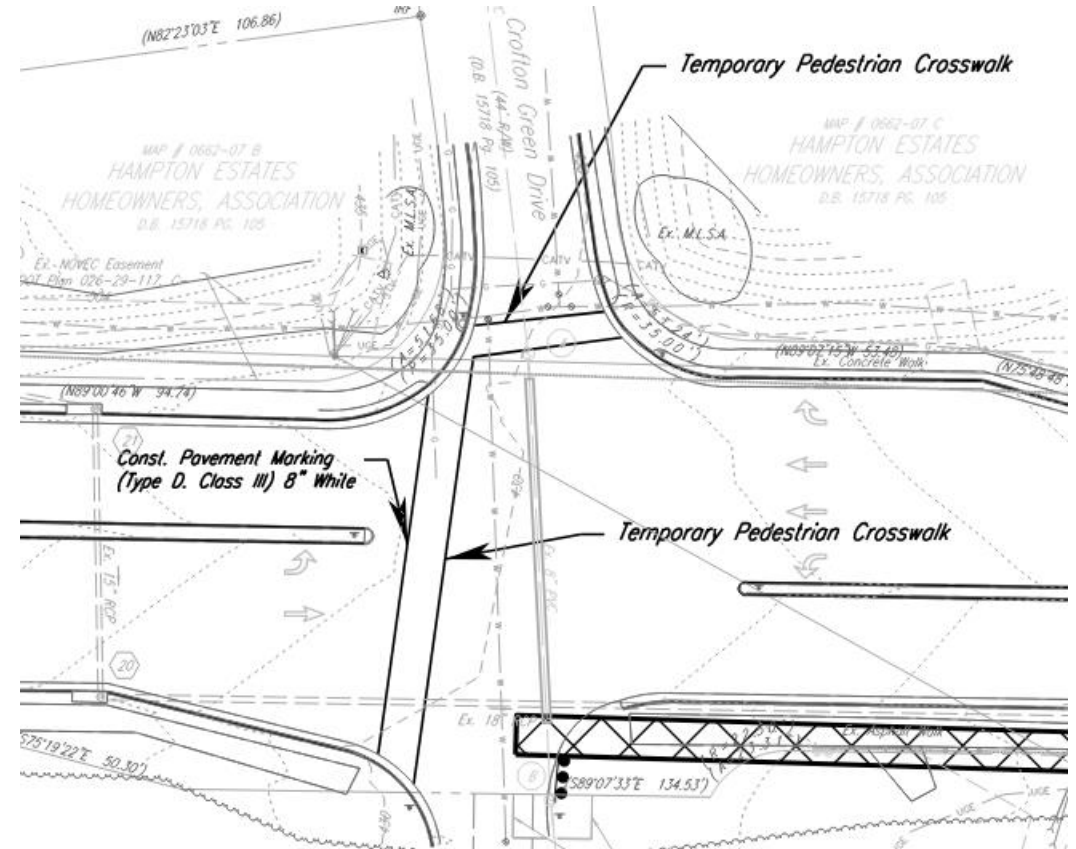
Construction Phase - What to expect

- Temporary road detours
- Excavation within the pavement
- By-pass pumping operations to limit outages
- Temporary equipment and material storage
- Routine clean up of any dirt and debris
- Hours of construction 8:00 to 4:30 pm

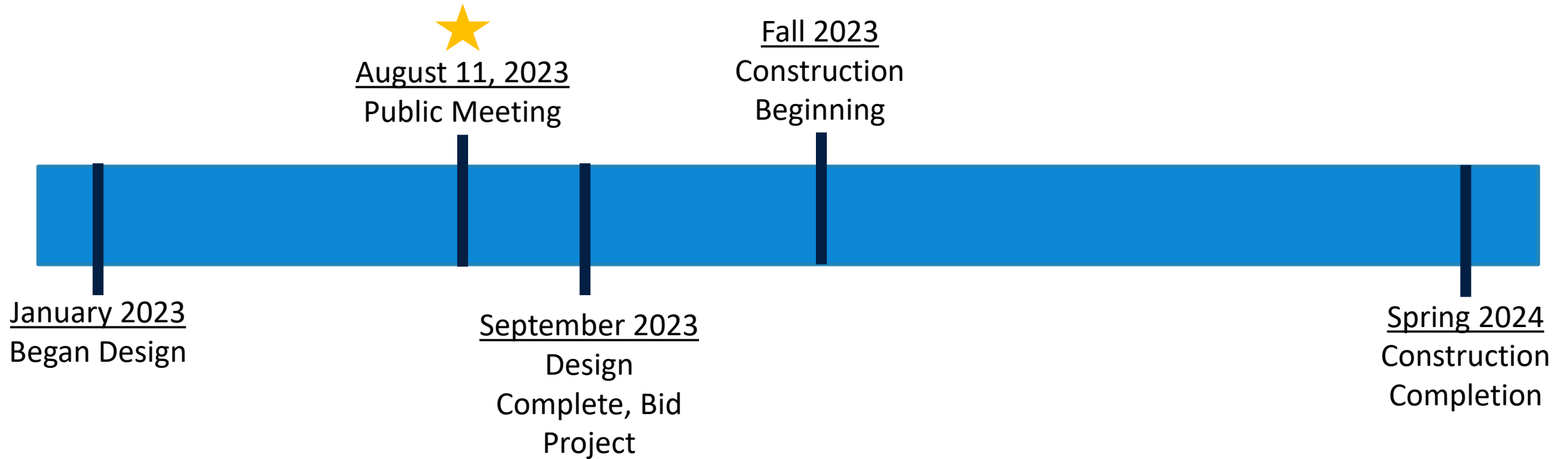


Construction Phase – Traffic Impacts

- Traffic Control Devices
 - Signage
 - Cones and barricades for detoured areas
 - Flaggers as needed
- Driveway Access
 - Maintained at all times throughout construction
- Pedestrian Access
 - Maintained throughout construction
 - No overnight closures
 - Steel plates to cover excavations overnight



Project Schedule



Additional Information

Questions & Answers

For additional information, please contact

Matthew Doyle, P.E., CCM

Matthew.Doyle2@fairfaxcounty.gov

www.fairfaxcounty.gov/publicworks

