

Cardinal School Stormwater Detention Vault

Watershed Scale Anchor Project

County-APS Partnership

September 22, 2021



ARLINGTON
VIRGINIA

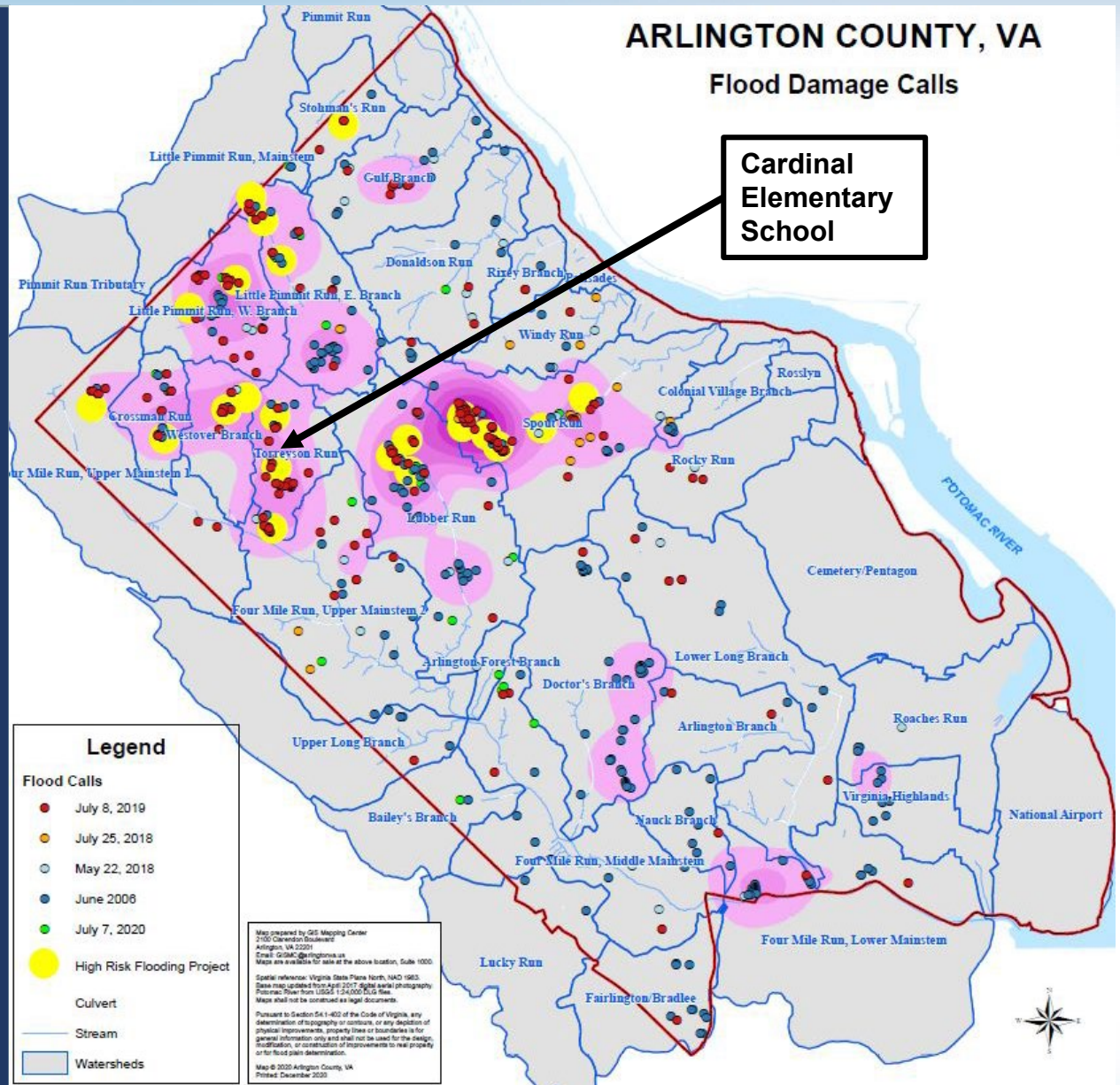
Agenda

- Background
- Engagement to date
- Construction update
- Maintenance of traffic (MOT) plan
- Schedule and next steps

A Call for Action

Map demonstrates flood calls from the following storms in relation to high risk flooding projects identified in Stormwater Master Plan:

- July 7, 2020
- July 8, 2019
- July 25, 2018
- May 22, 2018
- June 2006



Cardinal School Site

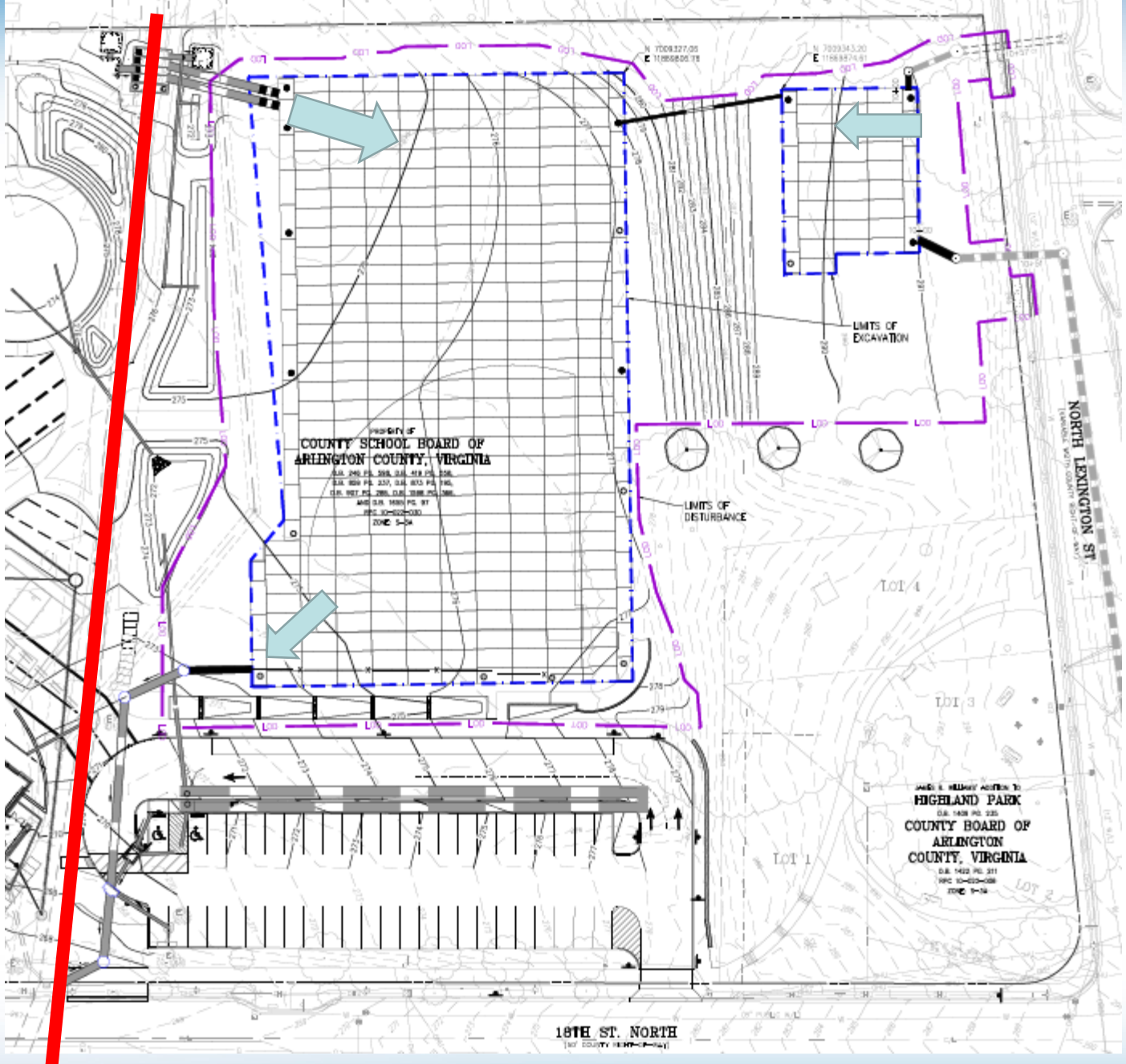


Key Engagement Meetings to Date

- County/School Board – December, 2020
- Four CAs in January/February with 30% plans
- Civic Federation – February 16
- Sports Commission – February 25
- Use Permit Hearing – March 2
- County/School Board – March, 2021
- C2E2 – May 17
- 65% Design Public meeting – May 26
- Final Design Public meeting – July 28
- County Board/School Board Meetings – September
- Lexington neighbors on-site meeting – September 15
- Pre-construction meeting – September 22
- Public engagement/outreach will continue through project completion

Phase 2 Design

2 Vault Design reduces excavation near N Lexington St.



Phase 2

StormTrap modules were selected for the project



Detention

StormTrap underground stormwater detention systems temporarily store runoff in large underground chambers before releasing it at a controlled rate. This mitigates erosion, flooding and many of the other harmful effects of high volumes of stormwater runoff.

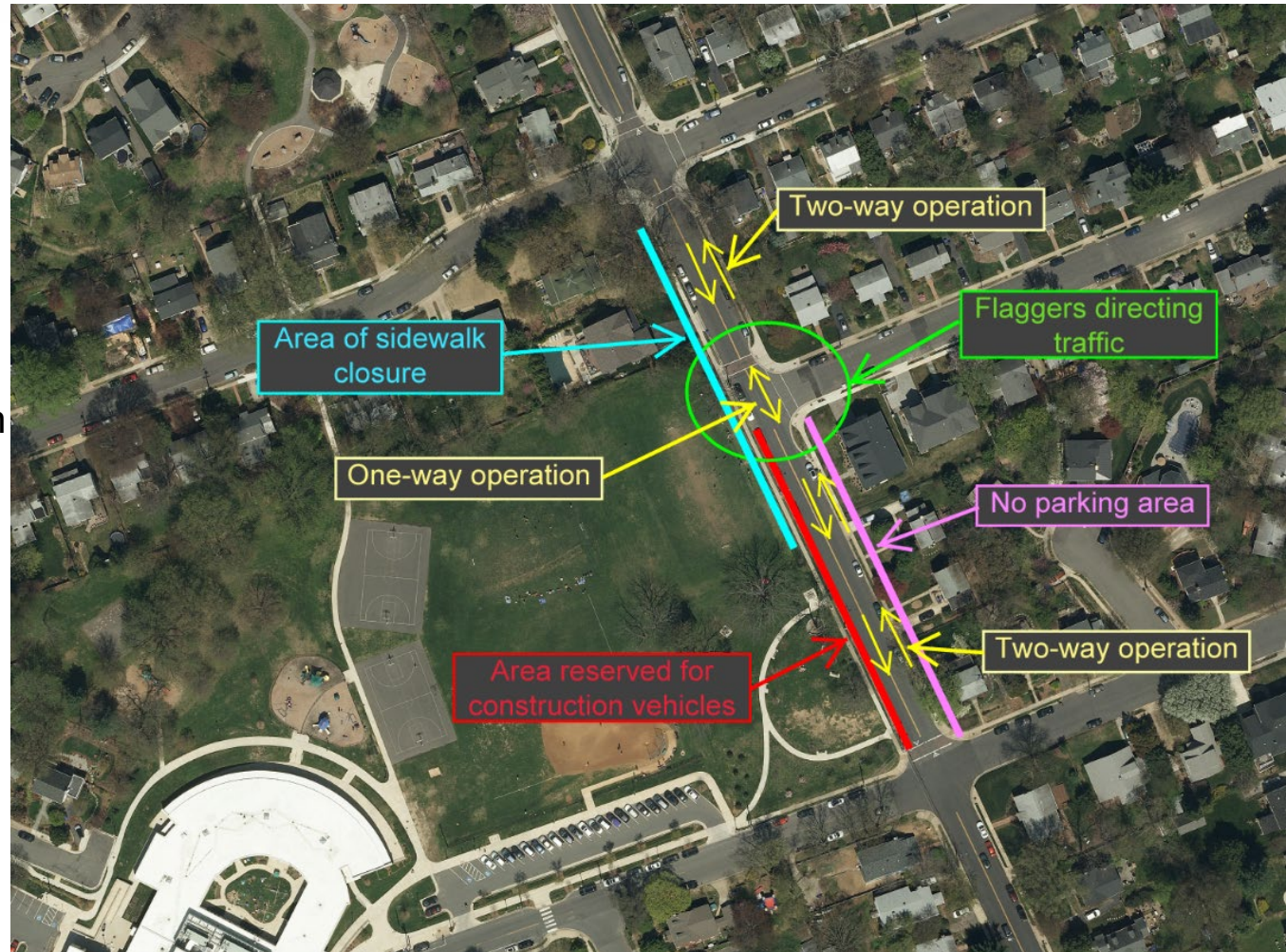


MOT Plan

During Working Hours

Highlights:

- Left side of Lexington below 18th road will be reserved for construction
- 2-way traffic on Lexington (except by 18th road)
- Flaggers on Lexington near 18th Road
- No parking on Lexington between 18th St and 18th Road
- Upper part of Lexington sidewalk closed (part by park open)
- ROW hours are 9-4



PARKING OF CONSTRUCTION AND STAFF VEHICLES IS PROHIBITED WITHIN THE PROPOSED EMERGENCY VEHICLE ZONE.

Concerns about lane closure in MOT

- Staff met with Lexington St residents on 9/15
- Contractor will not need lane closure for full year (likely ~ 8 months)
- Some additional parking spaces added on 18th St
- Maintaining grid network is important for public safety on all surrounding roads

which afford access to within fifty (50) feet of all booths, tents, rides, and any other equipment, buildings, or structures used as part of, or in conjunction with, the special event.

MOT Plan

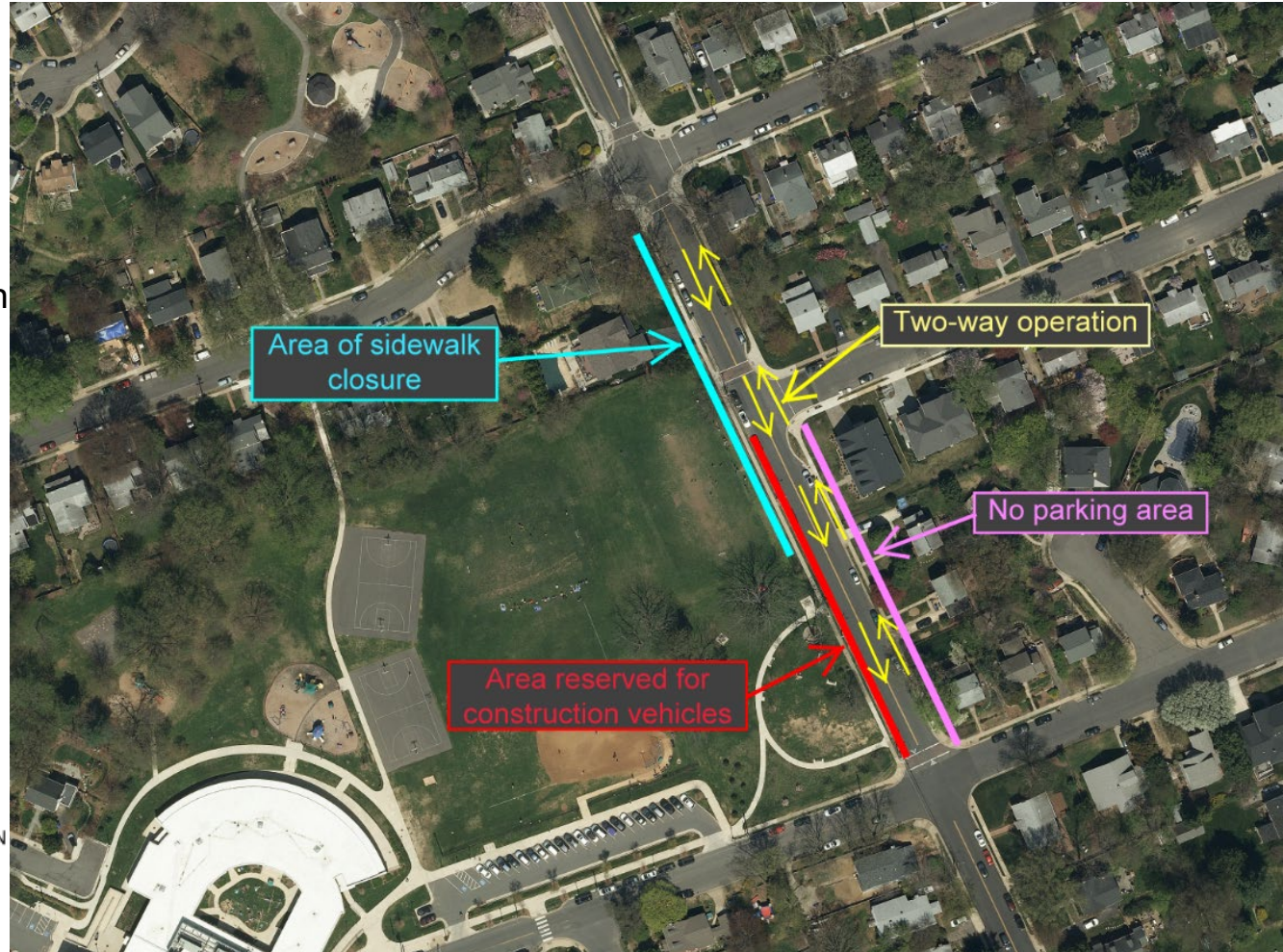
During Non-Working Hours

Highlights:

- 2-way traffic along entire length of Lexington
- Left side of Lexington below 18th road will be reserved for construction
- Upper part of Lexington sidewalk closed (part by park open)

PARKING OF CONSTRUCTION AND STAFF VEHICLES IS PROHIBITED WITHIN THE PROPOSED EMERGENCY VEHICLE ZONE.

SAFETY FENCE TO BE MOVED BACK, AFTER CONSTRUCTION HOURS, TO ALLOW FOR 2-WAY TRAFFIC (10' MIN LANE WIDTH) AT THE INTERSECTION OF NORTH LEXINGTON STREET AND 18TH ROAD NORTH. FENCE TO BE RESET, AS SHOWN ON SHEET C-14.00, AT THE BEGINNING OF THE DAY AND INTERSECTION TRAFFIC TO BE GUIDED BY FLAGGERS AT ALL TIMES DURING CONSTRUCTION HOURS.



Site Access Plan

ARLINGTON COUNTY RIGHT-OF-WAY WORK HOURS:

- MON –FRI: 9:00 AM TO 4:00 PM
- SAT–SUN AND HOLIDAYS: 10:00 AM TO 6:00 PM

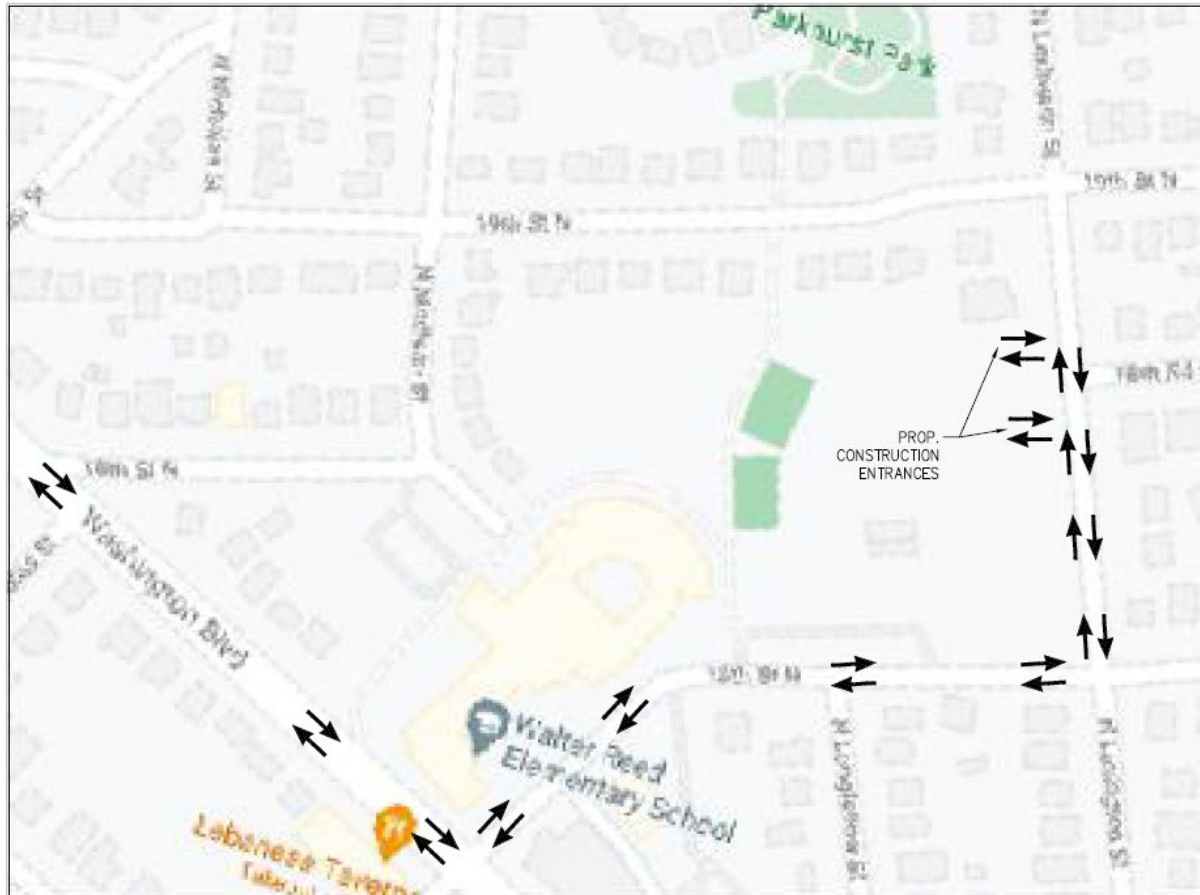
WORK OUTSIDE THESE HOURS WILL REQUIRE SPECIAL PERMISSION BY THE ARLINGTON COUNTY ZONING ADMINISTRATOR.

PROJECT DURATION: APPROX. 10 TO 12 MONTHS

NORTH LEXINGTON STREET: APPROX. 7 TO 10 MONTHS

SITE ACCESS PLAN FOR CONSTRUCTION VEHICLES

N.T.S



Schedule and Next Steps

- Pipe connection to Vault 2 from North Lexington St. is underway, should be done by end of September
- School Board approved change orders and funding was approved at County Board Meeting, final School Board approval 9/30
- Final steps before construction:
 - Finalize cost proposal
 - Issue Notice to Proceed (NTP)
 - Begin construction administrative activities
- On-site construction start late October/early Nov
- December 8, 2021 – Next community meeting (tentative)

Other Issues

- Coordinating with Police for additional patrols to avoid early AM noise issues.
- Dust – project will use water on site and street sweeping on Lexington to control dust.
- Reporting issues at construction site – go through APS project manager.
- Trees – we are working with arborist to protect and save large trees near the site, but with any construction project there is some risk

Questions?

Project Team

Demetra McBride, OSEM Bureau Chief, dmcbride@arlingtonva.us

Elizabeth Thurber, Infrastructure Team Leader, ethurber@arlingtonva.us

Aileen Winquist, Communications Manager, awinquist@arlingtonva.us

Project Manager

Ajibola (Aji) Robinson PMP. Project Manager,

C. 571-238-0334

E. ajibola.robinson@apsva.us

Project Websites

<https://projects.arlingtonva.us/projects/reed-school-stormwater-vault/>

<https://www.apsva.us/design-and-construction/cardinal-elementary/>