

Lexington Storm Sewer Work

Community Update

March 1, 2023



Scattered, Temp: 57F (feels like: 57F), RH: 63%
Dew Point: 45F, Wind: 11.5mph NNW, Gust: 17.3mph
Pressure: 29.76in, PCPN: hr 0in / day 0.04in

Flow monitoring
equipment

Access point to
underground vault

- Both vaults are constructed and covered with soil
- Site grading is complete
- Topsoil and sod will be placed on the fields in March/April and the fields will re-open by Fall, 2023
- Substantial completion is scheduled for April 14th
- Final completion is expected May 12th
 - Dates could change depending on weather and other factors

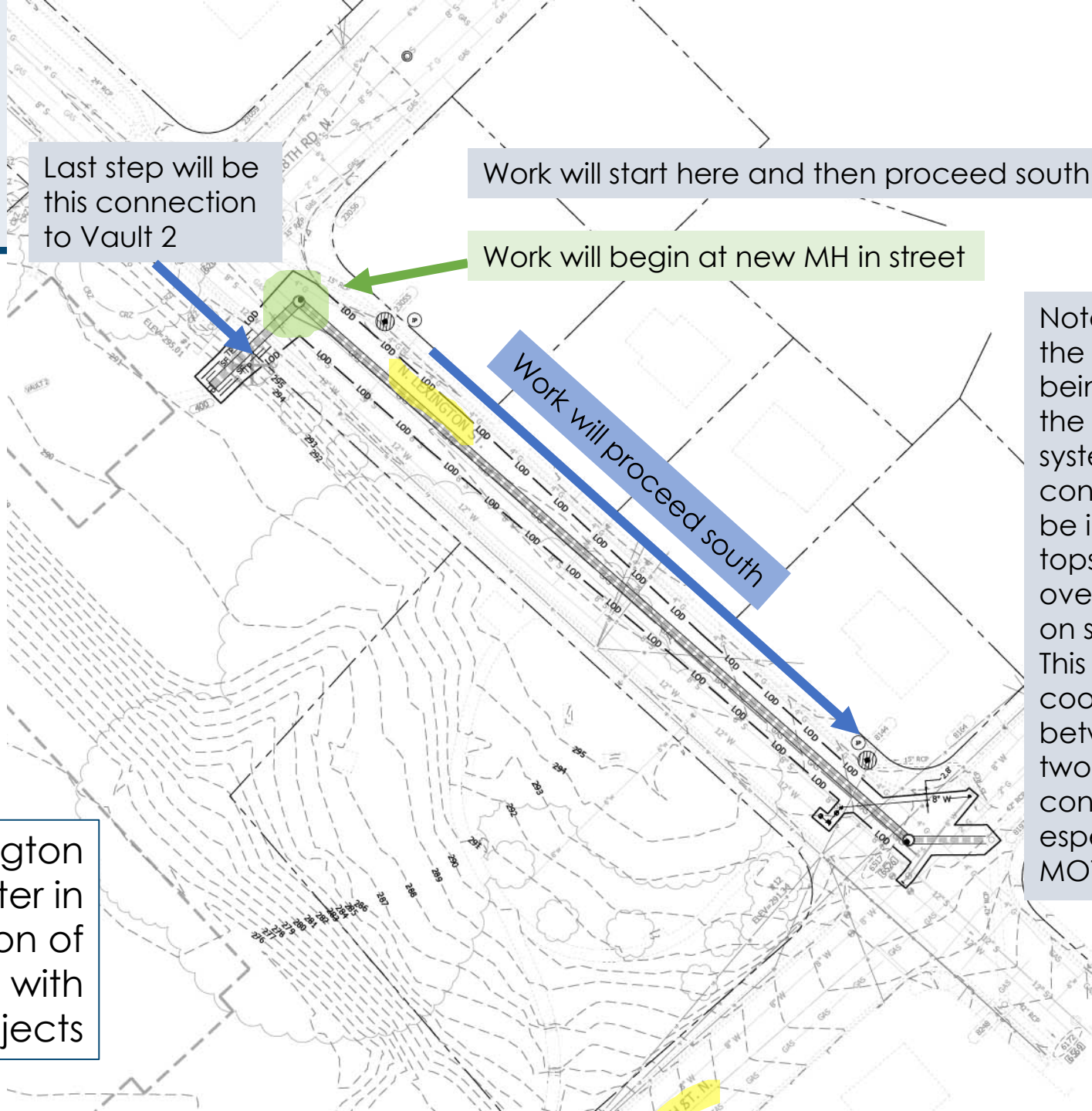


Time lapse video of construction

N Lexington St. Pipe Project

- Project will install new storm pipe and 2 manholes on N. Lexington to direct runoff from 18th St. to the vaults. This will help reduce flood risk at Westover shopping area
- Washington Gas has completed work to relocate gas line.
 - This work had to be completed before the storm pipe could be started.
- A small section of water main will be moved in intersection of Lexington and 18th St.
- Vaults had to be constructed before this work could be done.

Project Plan



Last step will be this connection to Vault 2

Work will start here and then proceed south

Work will begin at new MH in street

Work will proceed south

Note that while the new pipe is being installed, the detention system contractor will be installing topsoil and sod over vaults and on sledding hill. This will require coordination between the two different contractors, especially for MOT.

Repaving of N. Lexington is scheduled for later in 2023, after completion of all work associated with the two projects

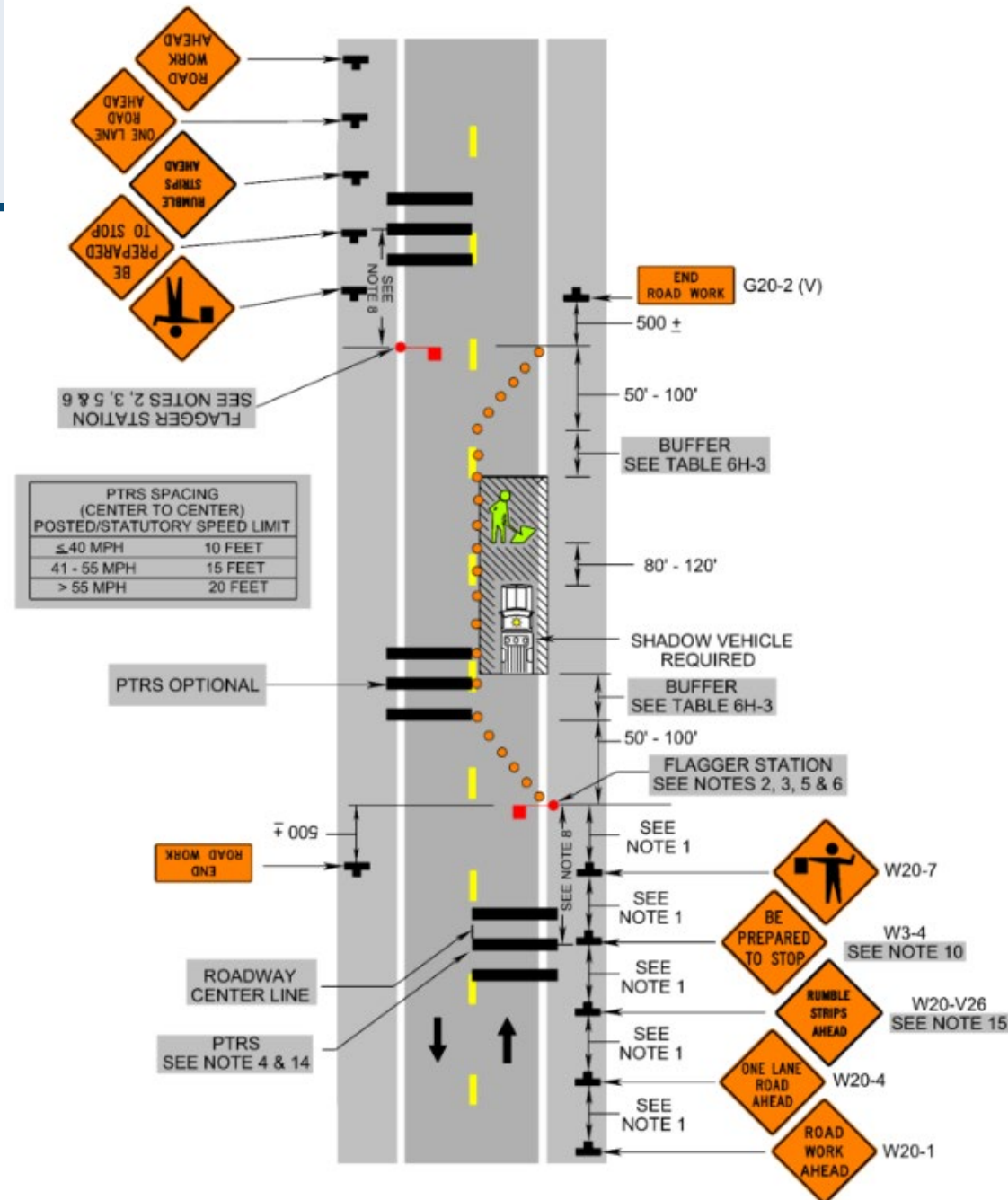
N. Lexington Pipe Project Schedule

- Work will take about 3 months. Contractor will begin at the north end (downstream) of the pipe and will work south (upstream) towards Lexington and 18th St.
- Work will begin around March 20th and end in late May.
 - Note that we are still coordinating MOT between the two contractors, which could impact start dates
- Work hours for County ROW is M-F, 9 AM – 4 PM.
 - On site work, such as sodding, can start earlier
- May request work hours of 8 AM-5 PM for spring break week.
 - April 3-7 and no school for students on April 10

Pipe Project MOT

- Since the new stormwater pipe will be located near the center of the road, work will require closure of the lane where they lay the new pipe.
- One lane of vehicular traffic around the work area will be available during work hours. Flaggers will also be available to direct and coordinate traffic.
- Trenches for pipe installation will be closed and covered at the end of each workday
- Vehicular traffic will be opened to two lanes after working hours
- Project team will try to remove “no parking” restrictions as the work proceeds south

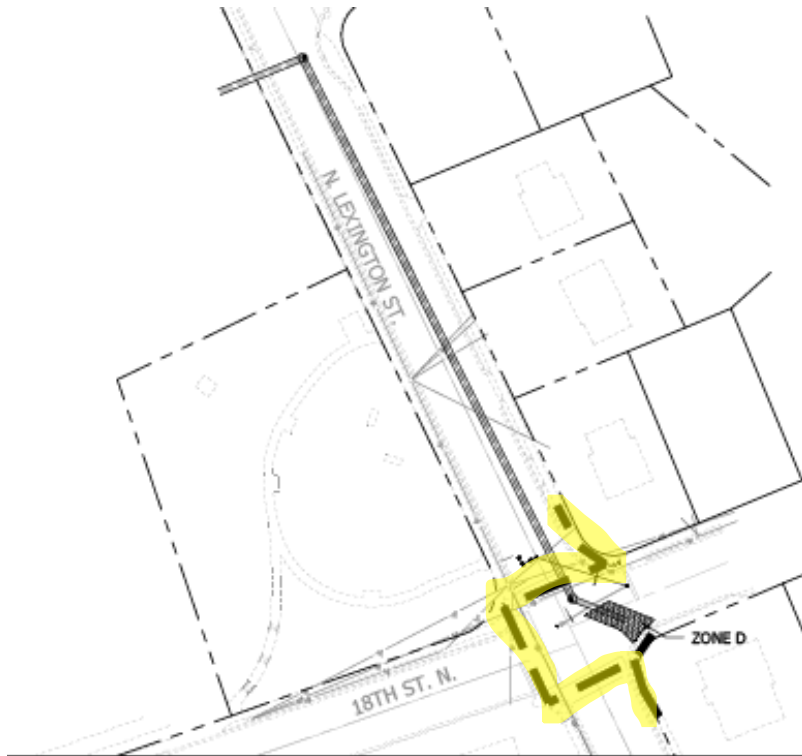
Lane Closure on a Two-Lane Roadway Using Flaggers
(Figure TTC-23.2)



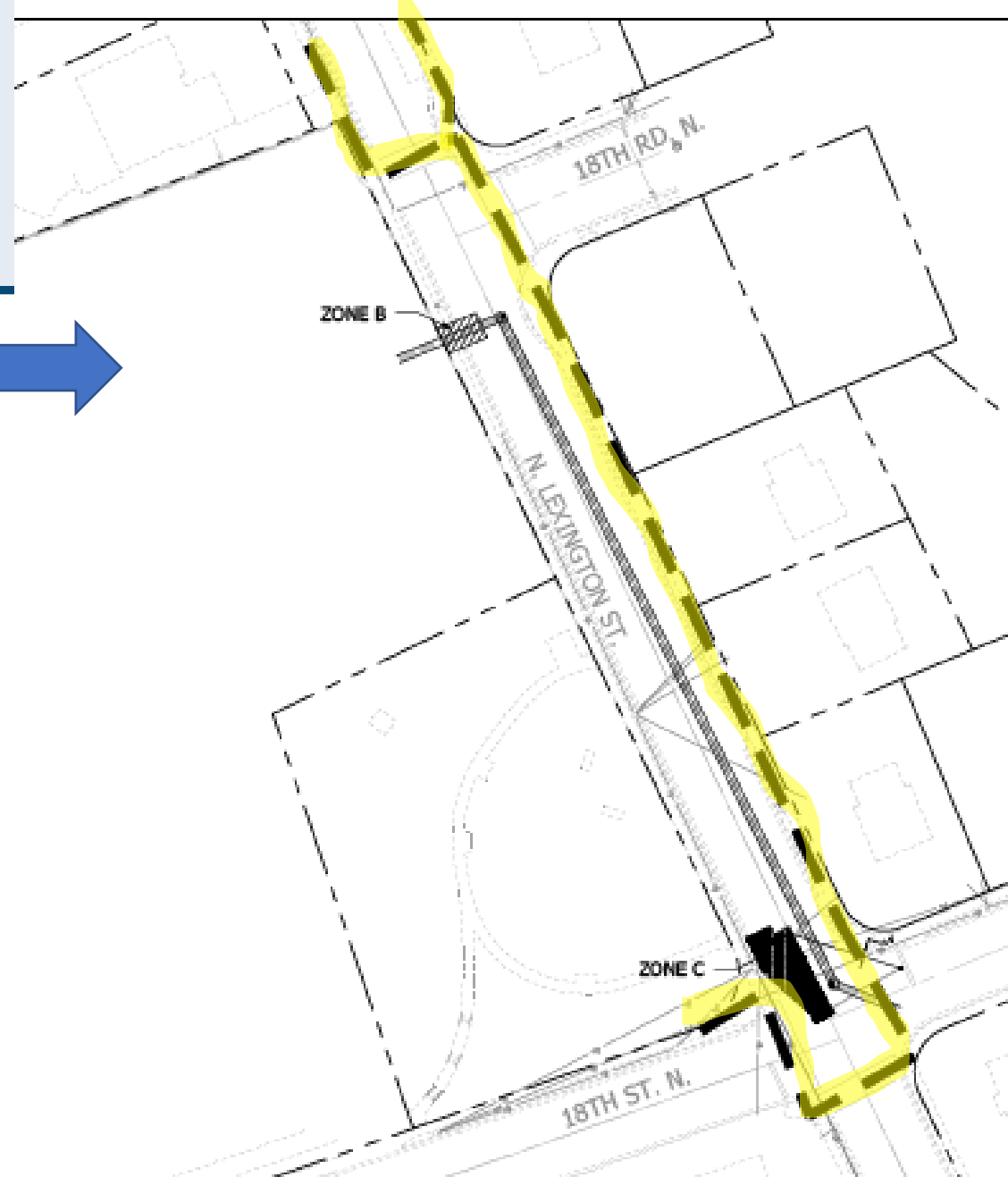
Pipe Project MOT

For most of the pipe installation, sidewalk on west side will be closed

At intersection of 18th St. N and N Lexington –see below:



ZONE D PEDESTRIAN ROUTING



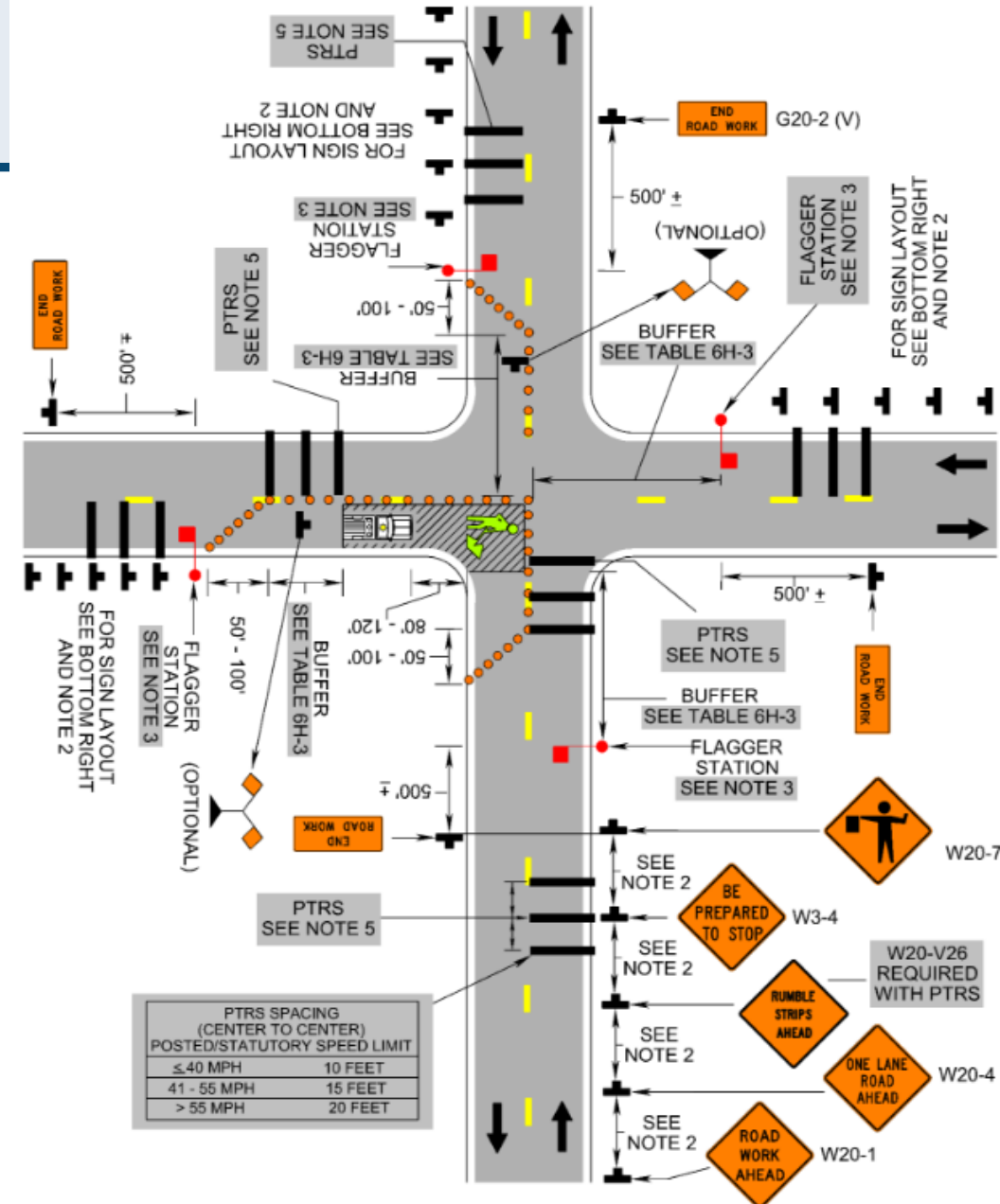
ZONE B & C PEDESTRIAN ROUTING

Lexington and 18th MOT

Work will block the right lane at the intersection during working hours. Flaggers will direct traffic around the work area.

Lane Closure Operation in an Intersection

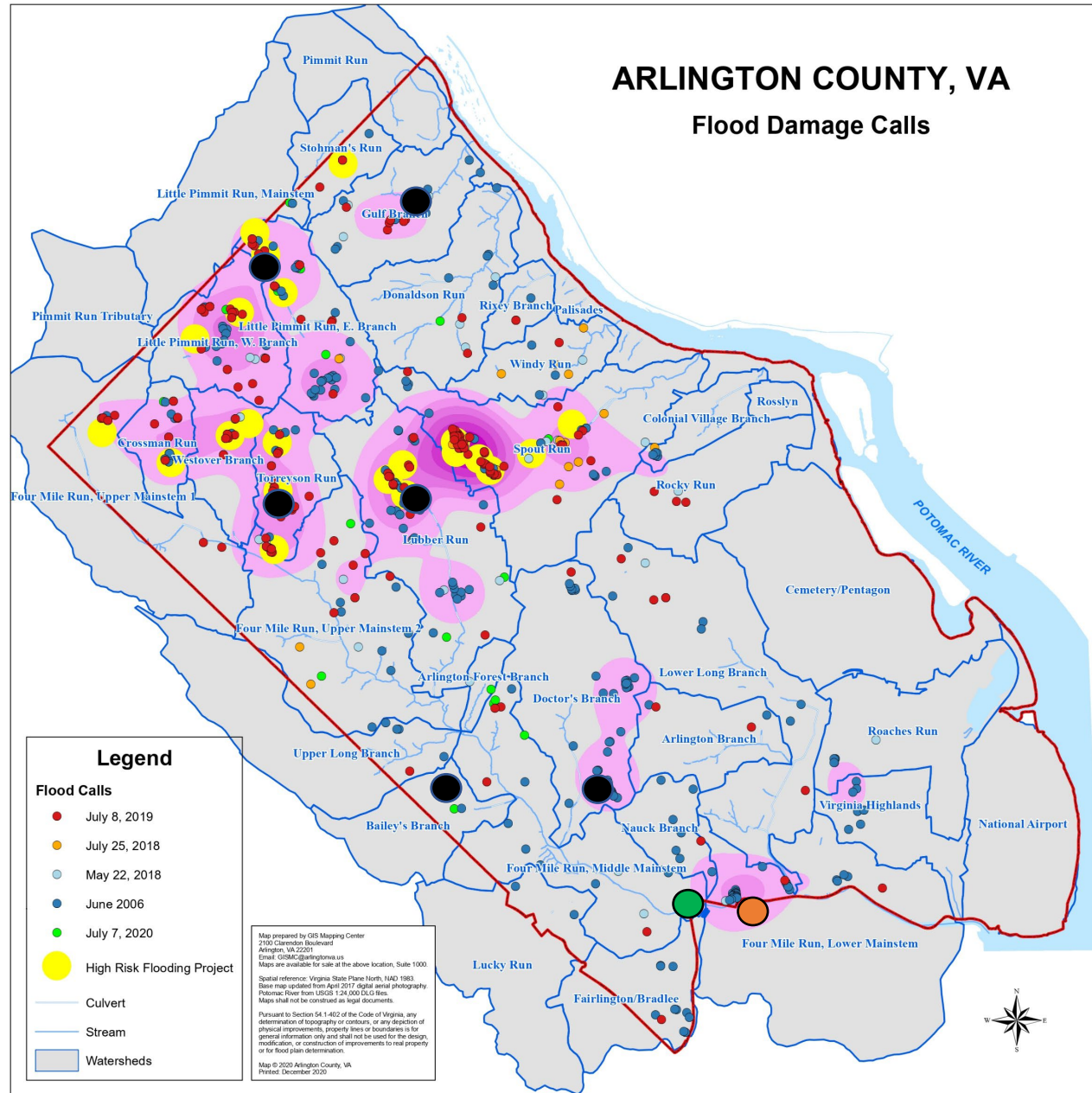
(Figure TTC-28.2)



Rain Gauges

- Proposed gauge
- USGS gauge
- Alexandria gauge

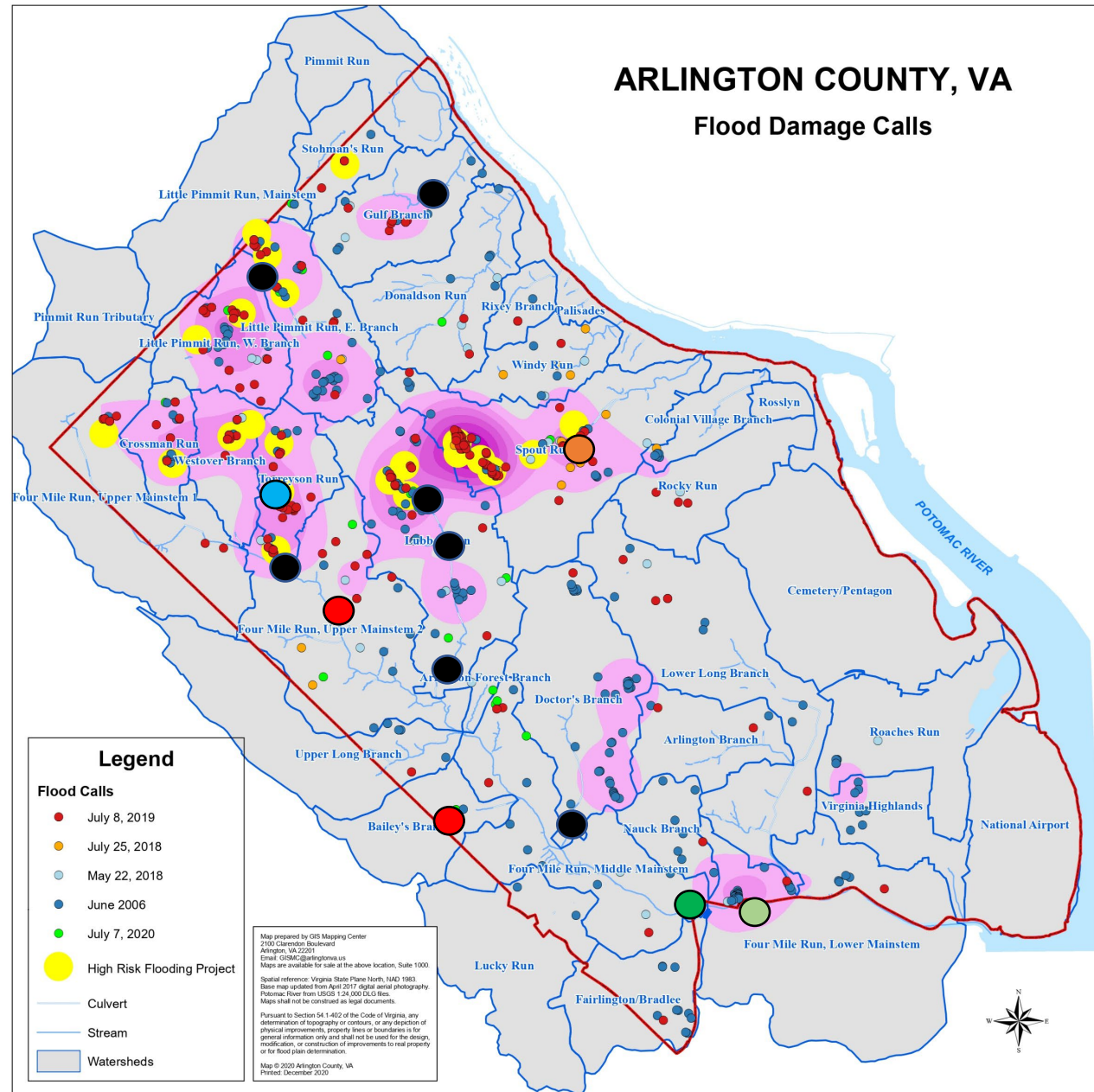
Note: locations are subject to change.



Flow Stages

- Proposed stage
- USGS stage
- Alexandria stage
- High water sensors
(Wilson Blvd and Columbia Pike – already installed)
- Arlington stage
(Cardinal School)
- High water sensors
(Kirkwood – not yet installed)

ARLINGTON COUNTY, VA Flood Damage Calls



Note: locations are subject to change.

Questions?

Project Team

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Project Website

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