

2022-2023 RiverRenew Stakeholder Advisory Group

Meeting No. 1

March 17, 2022



Recap from January Meeting

- 2022-2023 SAG member recruitment
- Finalized **Alexandria Flooding and Water Quality Projects Flyer**
- Tunnel Project **progress update**
- Tunnel Project **6-month look-ahead**
- **Community outreach** update

Tonight's Presentation

- SAG Feedback
- General Assembly Update
- 2022-2023 SAG Introduction
- Overview, Progress, and 6-Month Look-Ahead for RiverRenew Tunnel Project
- Community Outreach
- Public Comment Period

Virtual Meeting Best Practices

Video

- **Camera turned on** for SAG members, when possible

Audio

- **Microphones muted** unless speaking
- Avoid speaking over or interrupting each other (**see Ground Rules**)

Participation

- Questions for **SAG members only** will be taken **after each section**
- Please use the **“Raise Hand”** button to ask a question
- Questions will be **answered in the order received**
- **Public comment** will be taken at the end of the meeting. Each speaker will be allotted **3 minutes**

2022-2023 RiverRenew Stakeholder Advisory Group At-a-Glance

2022-2023 SAG Representation and Members:



Morgan Babcock
Eisenhower Partnership
Nominee



Mace Carpenter
Tobacco Quay, Waterfront
Residences, or Rivergate



Liz Birnbaum
Carlyle or Duke St.
Corridor



Mark McNutt
Interest in RiverRenew



Dan Bradfield (SAG Chair)
South Old Town



Michelle Millben
Interest or expertise in
diversity, race, and social
equality



Steven App
Engineering,
Environmental, Financial,
or related Background



Erik Olson
NOTICe Nominee



Yvonne Callahan
OTCA Nominee

Charge:

- Review and monitor construction and program progress
- Communicate progress to the community by leveraging existing networks
- Identify concerns and receive input from the public
- Provide recommendations regarding mitigation of construction impacts

Other Information:

- Term: Feb 2022 – Feb 2023
- SAG can be extended to Feb 2024 (three years from first meeting)

SAG Feedback



Review and **monitor construction/program progress**



Communicate progress to the community by leveraging existing networks



Identify concerns and **receive input** from the public



Provide recommendations regarding mitigation of construction impacts

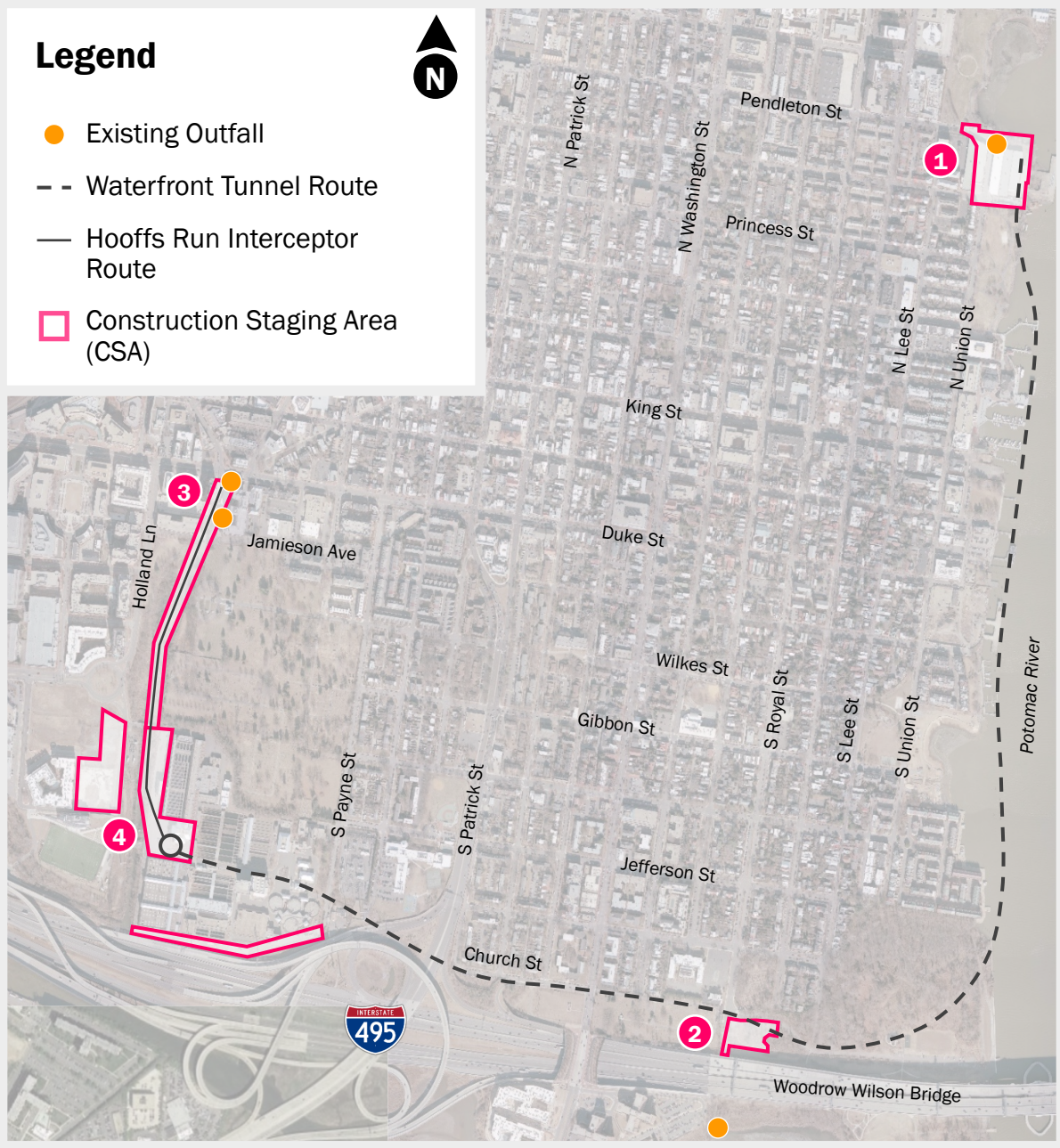
Construction at All Tunnel Project Construction Staging Areas is Underway

1 Pendleton Street
Construction Staging Area
October 6, 2021

2 Royal Street
Construction Staging Area
November 8, 2021

3 Hooffs Run
Construction Staging Area
December 8, 2021
North of Jamieson Avenue
March 4, 2022
South of Jamieson Avenue

4 AlexRenew
Construction Staging Area
May 17, 2021

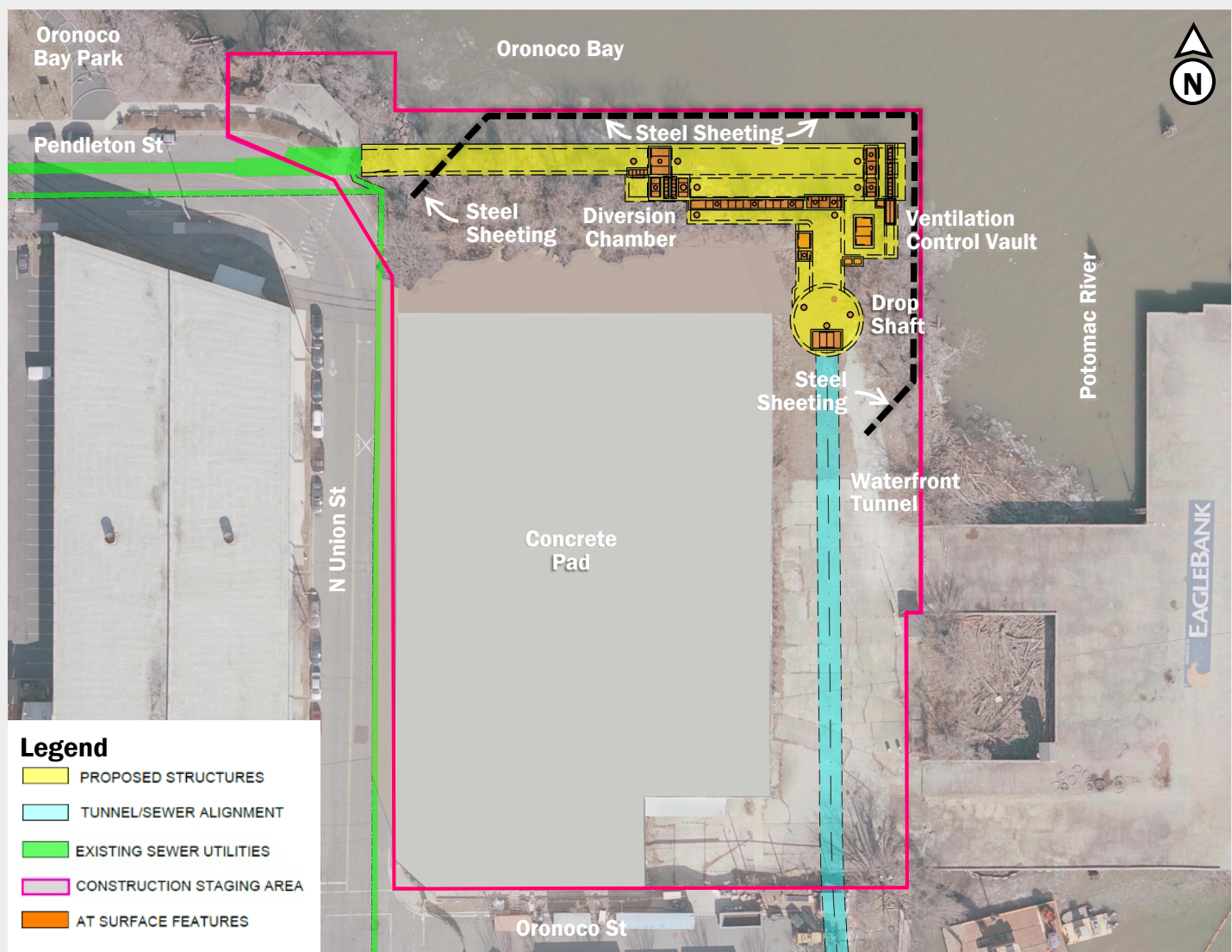




Pendleton Street Site

Sheeting along Oronoco Bay

Pendleton Street Site Construction Update

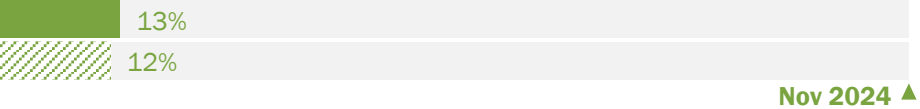


Design Progress

■ Actual ▨ Planned As of February 28, 2022




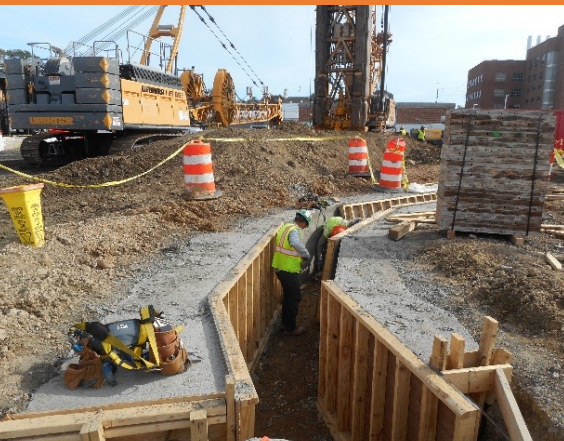


Construction Progress



Major Activities

- Temporary utility installation completed
- Support of excavation in Oronoco Bay and Potomac River completed
- Dewatering of area behind sheeting ongoing

Pendleton Street Site Six-Month Look-Ahead

| Apr | May | Jun | Jul | Aug | Sep | |
|--|--|---|---|---------------|------------------------------|--|
| Backfill | Guide Walls | Site largely dormant (waiting on equip from Royal St) | | Slurry Set up | Construct Shaft Slurry Walls | |
|  |  |  |  | | | |
| <p>7am-6pm Mon-Fri</p> | <p>7am-6pm Mon-Fri</p> | <p>7am-6pm Mon-Fri</p> | <p>7am-6pm Mon-Fri</p> | | | |
| <p>No anticipated impacts to sidewalks, bicycle routes, or travel lanes</p> | <p>No anticipated impacts to sidewalks, bicycle routes, or travel lanes</p> | <p>No anticipated impacts to sidewalks, bicycle routes, or travel lanes</p> | <p>No anticipated impacts to sidewalks, bicycle routes, or travel lanes</p> | | | |
| <p>30 trucks/day</p> | <p>15 trucks/day</p> | <p>10 trucks/day</p> | <p>75 trucks/day</p> | | | |
| <p>Backfill</p> | <p>Construct Shaft Guide Walls</p> | <p>Set up Site for Shaft Slurry Walls</p> | <p>Construct Shaft Slurry Walls</p> | | | |



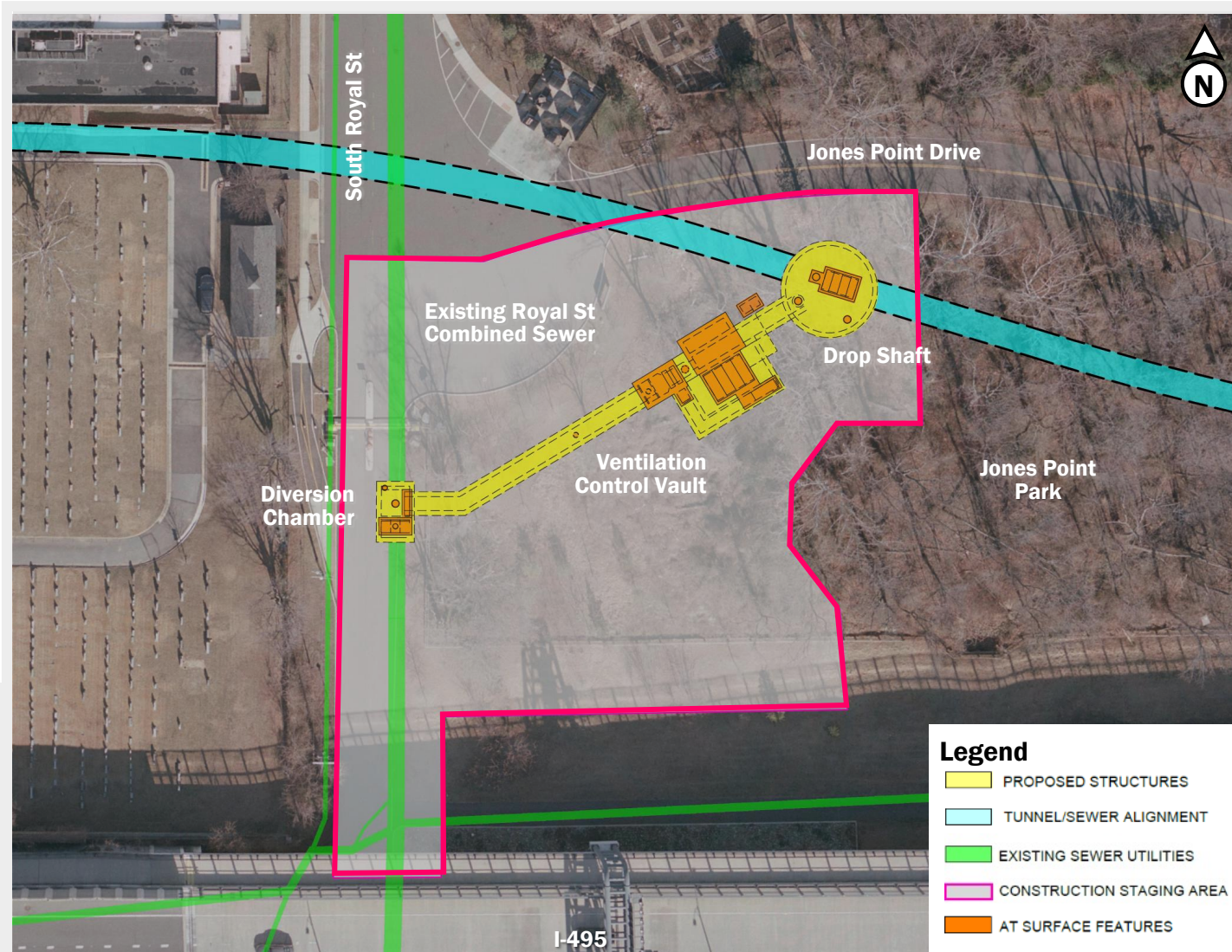
Note: Pictures representative of upcoming construction work



Royal Street Site

Installation of temporary concrete equipment pads in construction staging area

Royal Street Site Construction Update

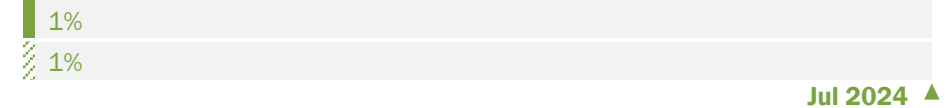


Design Progress

Actual Planned As of February 28, 2022



Construction Progress







Major Activities

- Site preparation and equipment mobilization ongoing
- Preparing site for shaft support of excavation

Royal Street Site Six-Month Look-Ahead

! Noise Variance for Extended Work Hours

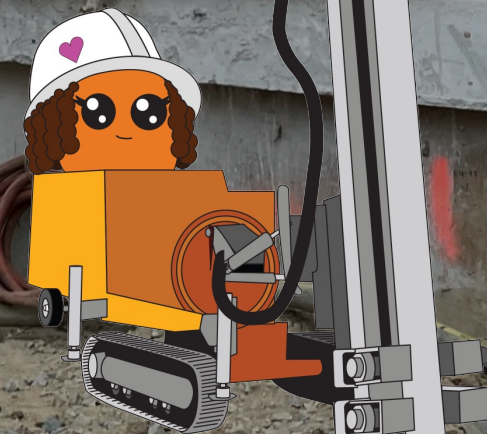
| Shaft Slurry Walls | Shaft Excavation |
|---|--|
| <ul style="list-style-type: none"> - 24-hour work - Up to 9 Days Total | <ul style="list-style-type: none"> - Work between 5am – 11pm - Hauling 7am – 6pm - As needed |

| Apr | May | Jun | Jul | Aug | Sept |
|---|---|--|--|------------------|------|
| Set up for Slurry Walls | Construct Shaft Slurry Walls | | Excav. Set up | Shaft Excavation | |
|  <p>7am-6pm Mon-Fri</p> <p>No anticipated impacts to sidewalks, bicycle routes, or travel lanes</p> <p>10 trucks/day</p> <p>Set up Site for Shaft Slurry Walls</p> |  <p>! 7am-6pm Mon-Fri</p> <p>No anticipated impacts to sidewalks, bicycle routes, or travel lanes</p> <p>75 trucks/day</p> <p>Construct Shaft Slurry Walls</p> |  <p>7am-6pm Mon-Fri</p> <p>No anticipated impacts to sidewalks, bicycle routes, or travel lanes</p> <p>10 trucks/day</p> <p>Set up Site for Shaft Excavation</p> |  <p>! 7am-6pm Mon-Fri</p> <p>No anticipated impacts to sidewalks, bicycle routes, or travel lanes</p> <p>70 trucks/day</p> <p>Shaft Excavation</p> | | |



Note: Pictures representative of upcoming construction work

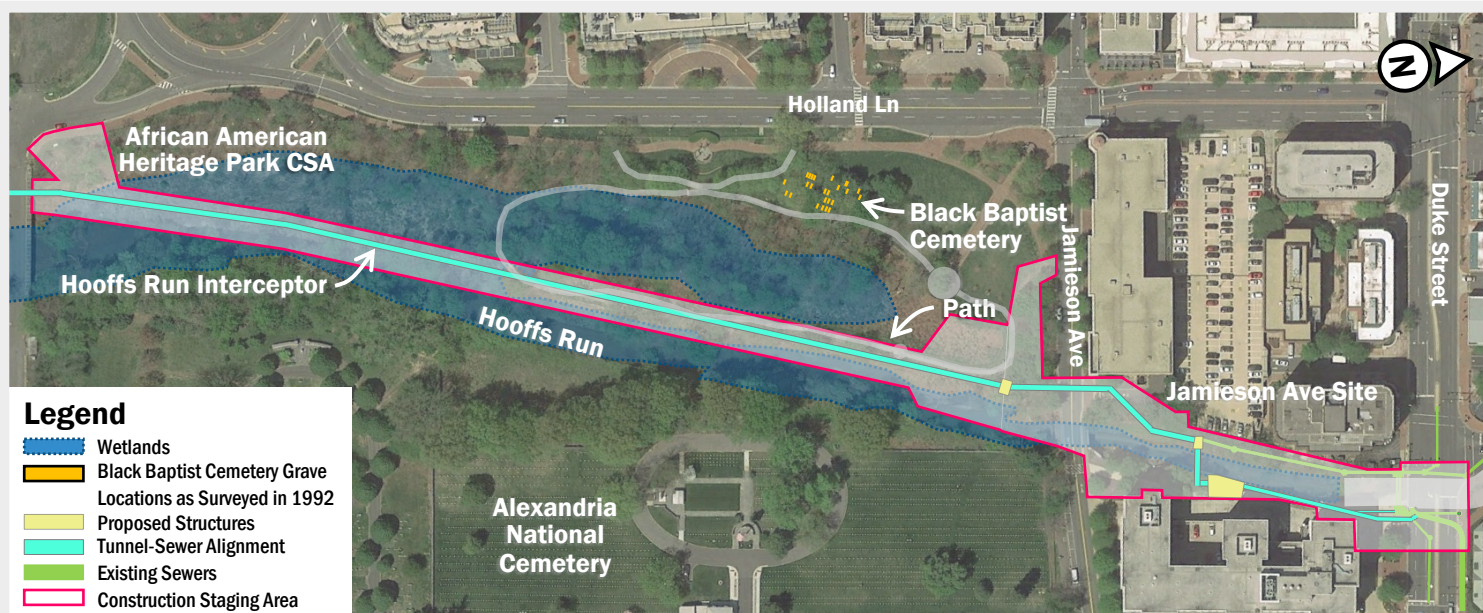
Hooffs Run Site



Micropile installation north of Jamieson Avenue

Meet Maria the Micropiler!

Hooffs Run Interceptor Construction Update

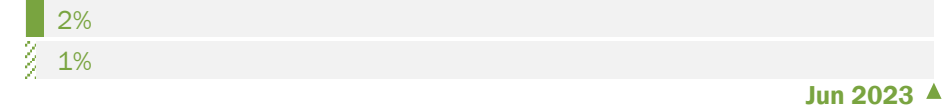


Design Progress

■ Actual ▨ Planned As of February 28, 2022



Construction Progress



Major Activities

- Installation of diversion chamber support of excavation and foundation piles ongoing
- African American Heritage Park Site mobilization started on March 4



Site preparation underway





◀ African American Heritage Park Site



Micropile installation ongoing

◀ Jamieson Avenue Site

Jamieson Avenue Site Six-Month Look-Ahead

| Apr | May | Jun | Jul | Aug | Sep |
|--|--|---|---|-----|--|
| Support of Excavation | Diversion Chamber Construction | | Open-Cut Construction | | Restore Pocket Park |
|  <p>7am-6pm Mon-Fri</p> <p>Lane and sidewalk closures: Duke St and Jamieson Ave</p> <p>10 trucks/day</p> |  <p>7am-6pm Mon-Fri</p> <p>Lane and sidewalk closures: Duke St and Jamieson Ave</p> <p>30 trucks/day</p> |  <p>7am-6pm Mon-Fri</p> <p>Lane and sidewalk closures: Duke St and Jamieson Ave</p> <p>10 trucks/day</p> |  <p>7am-6pm Mon-Fri</p> <p>Lane and sidewalk closures: Duke St and Jamieson Ave</p> <p>20 trucks/day</p> | | |
| Support of Excavation Installation | Diversion Chamber Construction | | Open-Cut Construction | | Restoration of Pocket Park at Duke St |



Note: Pictures representative of upcoming construction work




African American Heritage Parking Construction Staging Area





Sweeping the AAHP CSA to relocate wildlife before construction.

African American Heritage Park Site Six-Month Look-Ahead

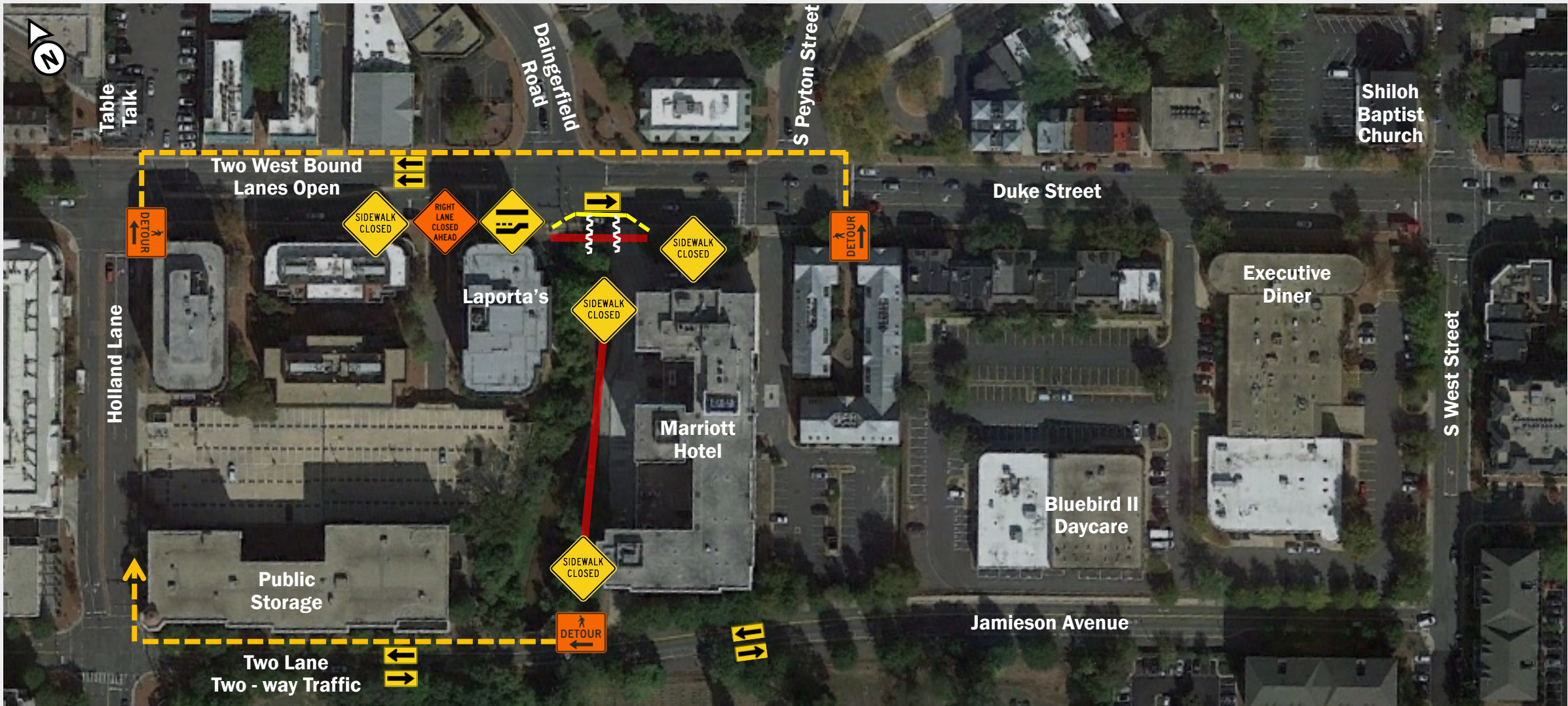
| Apr | May | Jun | Jul | Aug | Sep |
|--|---|--|-----|-----|-----|
| Support of Excavation | Junction Chamber Construction | Open Cut Construction | | | |
|  <p>7am-6pm Mon-Fri</p> <p>Sidewalk closures (intermittent): Jamieson Ave Path closures (24/7): AAHP Sidewalk closures (intermittent) : Holland Lane</p> <p>10 trucks/day</p> <p>Junction Chamber Support of Excavation</p> |  <p>7am-6pm Mon-Fri</p> <p>Sidewalk closures (intermittent): Jamieson Ave Path closures (24/7): AAHP Sidewalk closures (intermittent) : Holland Lane</p> <p>15 trucks/day</p> <p>Junction Chamber Construction</p> |  <p>7am-6pm Mon-Fri</p> <p>Sidewalk closures (intermittent): Jamieson Ave Path closures (24/7): AAHP Sidewalk closures (intermittent) : Holland Lane</p> <p>30 trucks/day</p> <p>Open Cut Construction</p> | | | |



Note: Pictures representative of upcoming construction work

Duke Street Reduced to One Eastbound Lane and Sidewalk Closures (9am-3pm)

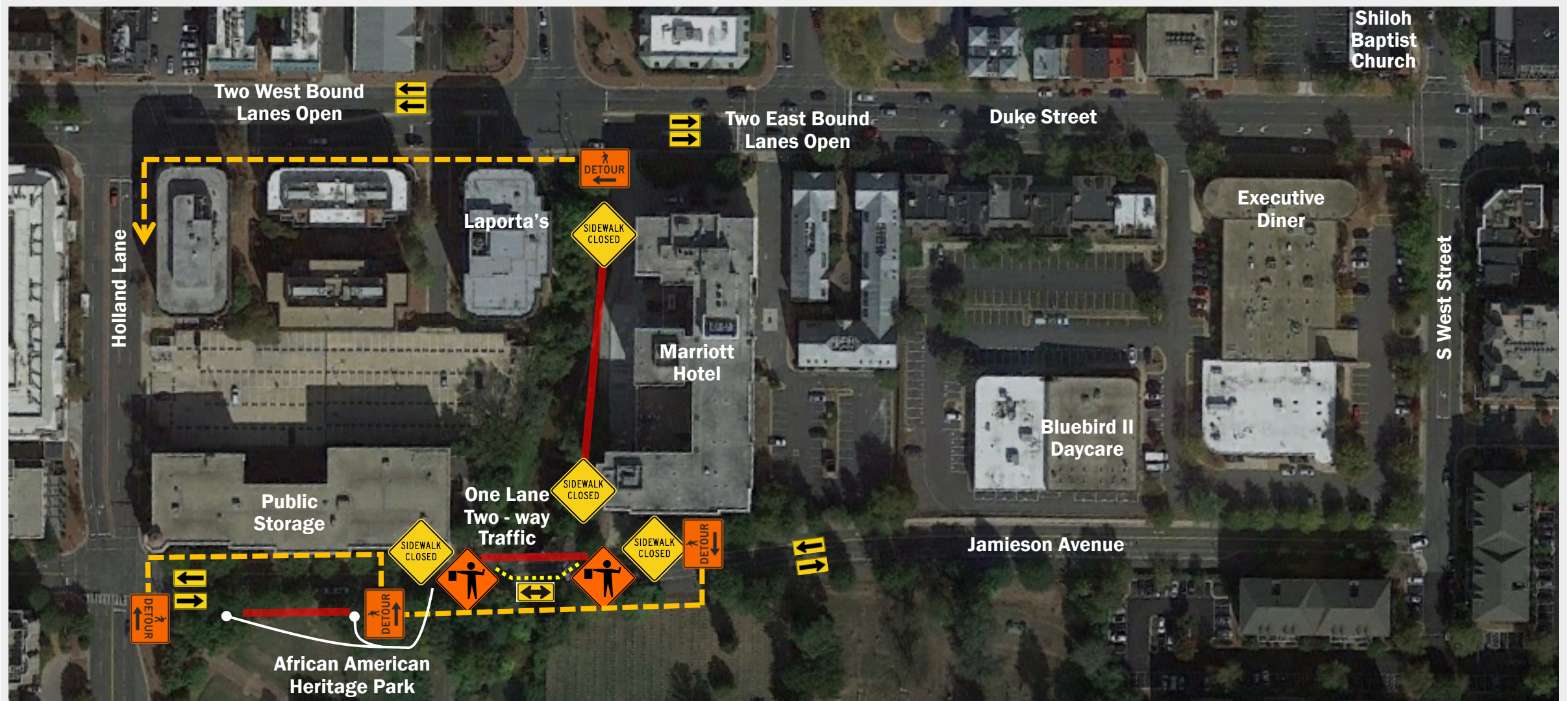
Through September 2022



Note: Duke Street lane closure is not concurrent with Jamieson Avenue lane closure

Jamieson Avenue Intermittent Sidewalk and Lane Closures (7am-6pm)

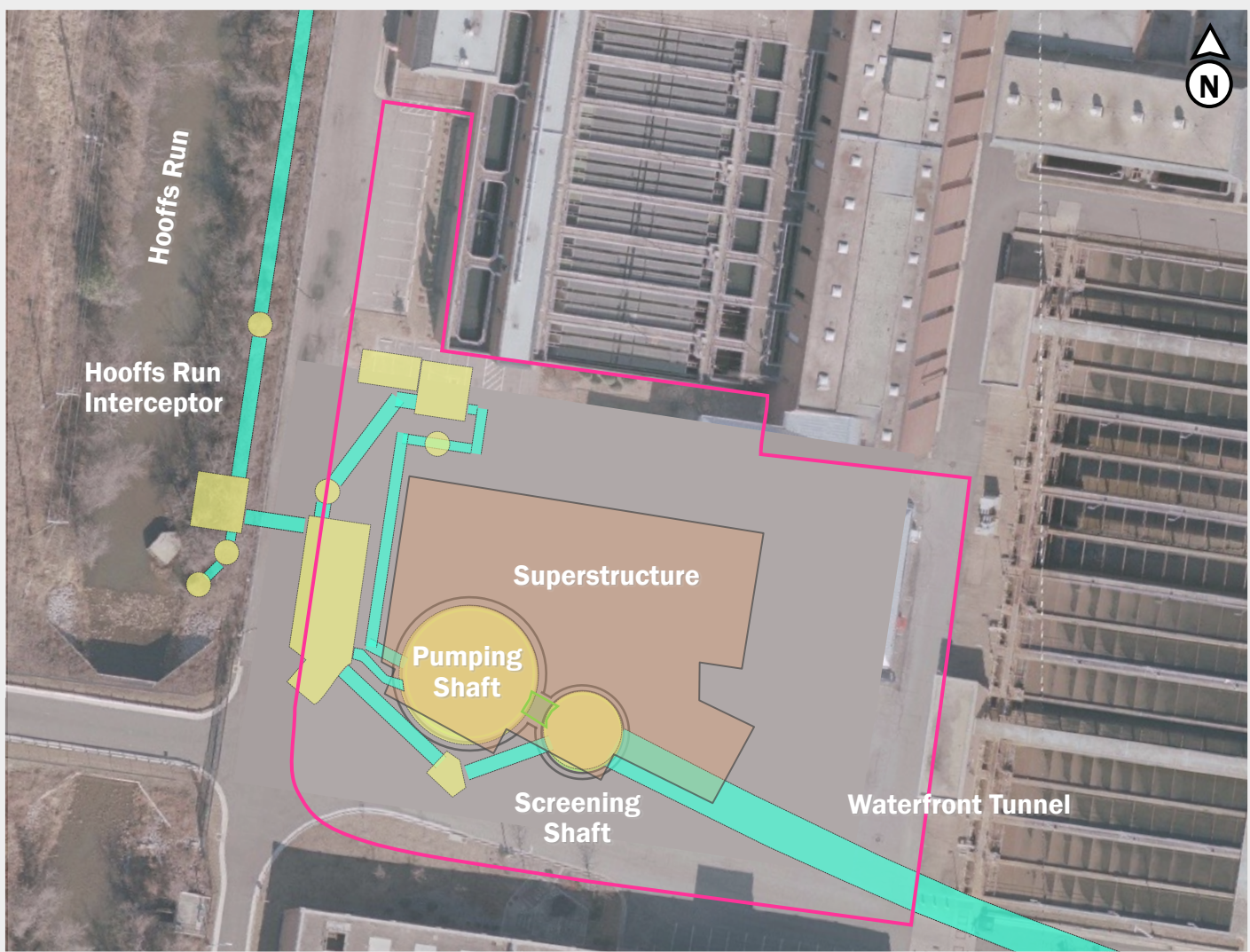
Through March 2023



AlexRenew Site

Hydromill excavation of a slurry wall panel at AlexRenew

AlexRenew Site Construction Update

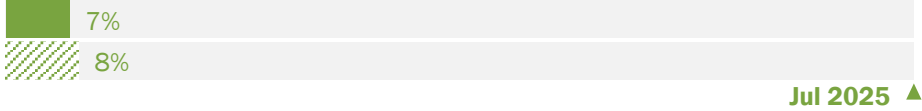


Design Progress

■ Actual ▨ Planned As of February 28, 2022



Construction Progress



Major Activities

- Shaft slurry wall construction ongoing

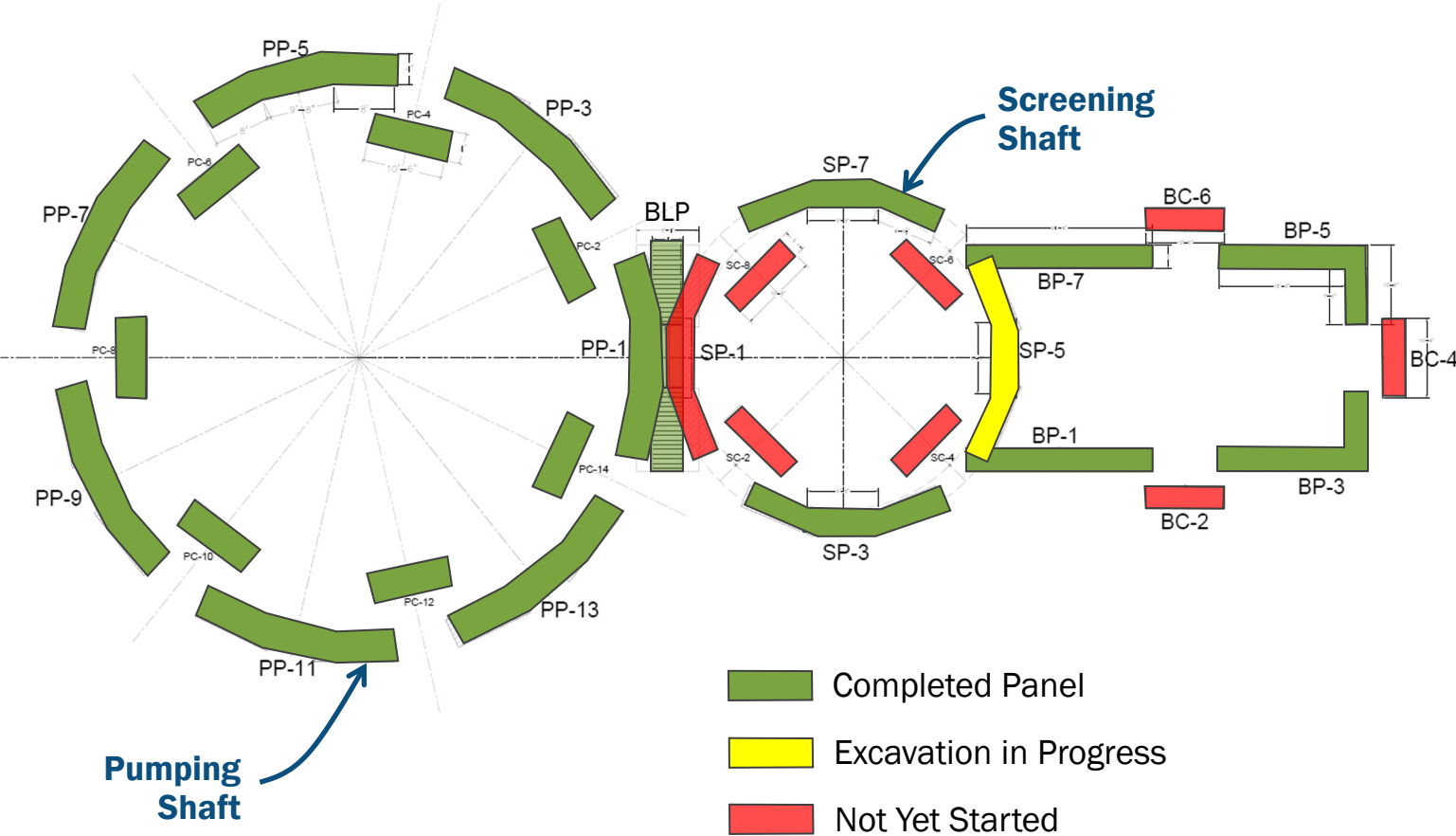
Pumping Shaft Slurry Walls Complete!



**15,000+ cubic yards (~2,000 trucks)
Concrete placed to-date**



**650,000+ pounds (325 tons)
Rebar installed to-date**



AlexRenew Site Six-Month Look-Ahead

! Noise Variance for Extended Work Hours

Shaft Excavation

- Work between 5am and 11pm
- Hauling 7am – 6pm
- **As needed**

| Apr | May | Jun | Jul | Aug | Sept |
|-----------------|-----|-----|--|-----|-------------|
| Excavate Shafts | | | Assemble and Lower Tunnel Boring Machine | | Mine Tunnel |



! 7am-6pm
Mon-Fri

100 trucks/day

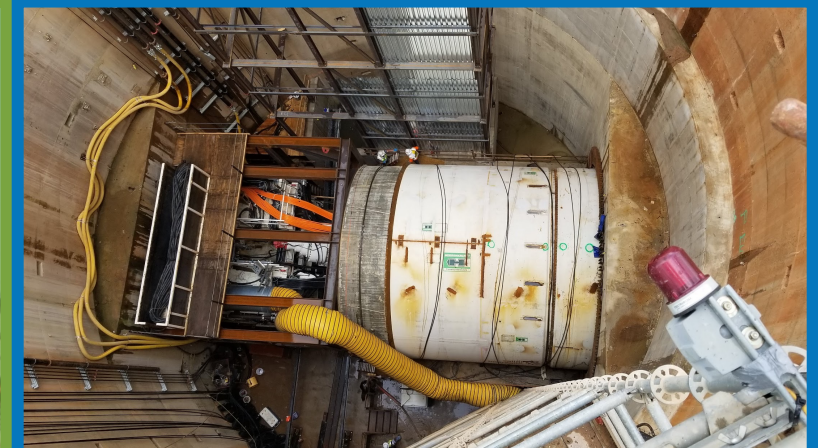
Excavate Pumping and Screening Shafts



7am-6pm
Mon-Fri

10 trucks/day

Assemble and Lower Tunnel Boring Machine



7am-6pm
Mon-Fri

120 trucks/day

Mine Waterfront Tunnel



Note: Pictures representative of upcoming construction work

Tunnel Boring Machine Fabrication Update

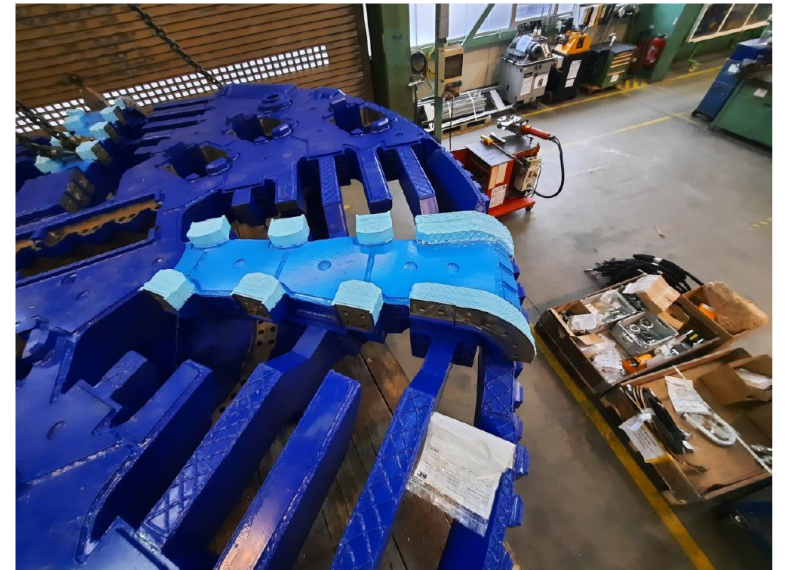
Shield, Main Drive, and Cutterhead



Tunnel Boring Machine Front Shield




Main Drive

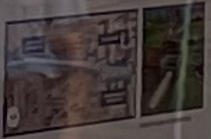


Cutterhead

A healthier
Hooffs Run is
on the horizon.

COMING JULY 2023


BlueLine
Tunnel System Project



Community Outreach

Stay Engaged on RiverRenew Progress!

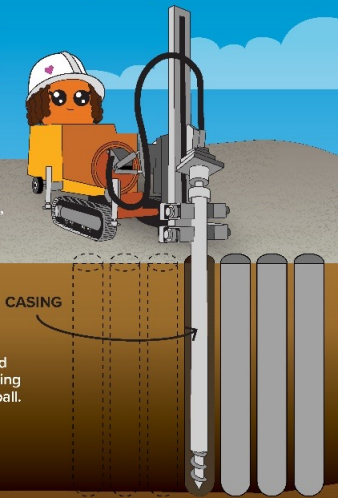


Meet Maria at Hooffs Run!

Micropiling with Maria!

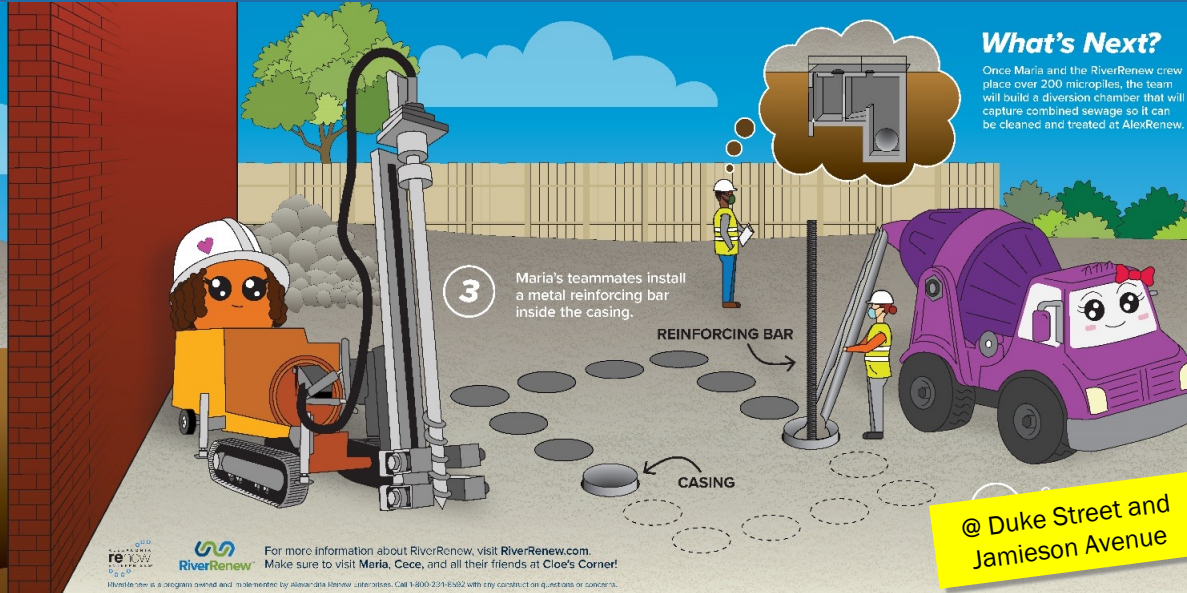
When we're building things that are sturdy and strong Deep supports help make sure nothing goes wrong. Sometimes we use cranes to build underground walls. But not at Hooffs Run where the site is quite small. That's why RiverRenew crews are all smiles. When Maria starts drilling her micropiles!

1 Maria the Micropiler uses her drill to dig deep into the ground, around 55 feet down!



2 Maria takes her drill out and leaves behind a hollow casing about as wide as a basketball.

3 Maria's teammates install a metal reinforcing bar inside the casing.



What's Next?

Once Maria and the RiverRenew crew place over 200 micropiles, the team will build a diversion chamber that will capture combined sewage so it can be cleaned and treated at AlexRenew.

@ Duke Street and Jamieson Avenue

Sip 'n See Events



Hooffs Run: Tues 10-1
Starting in April at Royal St: Weds 10-1



Sign Up for
Construction
Alerts

[riverrenew.com/
construction/
alerts](http://riverrenew.com/construction/alerts)

Check out our Time-Lapse Cameras



Upcoming Community Events



Oronoco Bay Cleanup
**Tentatively scheduled for April 9*



**RIVERRENEW TBM
UNVEILING
CEREMONY**
Presented by AlexRenew

The logo for the RiverRenew TBM Unveiling Ceremony features a circular graphic on the left. The graphic has a blue outer ring with the text 'OUR WATERWAYS CLEAN IT TAKES ALL HANDS TO KEEP' around the perimeter. Inside the ring is a stylized blue and white structure resembling a tunnel boring machine (TBM) cutterhead. To the right of the graphic, the text 'RIVERRENEW TBM UNVEILING CEREMONY' is displayed in bold, blue, sans-serif font, with 'Presented by AlexRenew' in a smaller font below it.

**Community
Listening
Sessions**
July 11-14, 2022
@ Pendleton St, Royal St, Hooffs Run, & AlexRenew

A photograph of a construction site at dusk or dawn. A large yellow excavator is the central focus, with its arm raised. The background shows a cityscape with buildings and a crane. The text 'Community Listening Sessions' and 'July 11-14, 2022' is overlaid in large white font. At the bottom, the location '@ Pendleton St, Royal St, Hooffs Run, & AlexRenew' is written in white.

Meeting Takeaways

- Construction underway at all CSAs
 - Noise variance permit for extended work hours at Royal Street Site
 - Sidewalk and path impacts at AAHP
 - Duke Street lane closures coming up in May
 - TBM unveiling ceremony in July
 - Community Listening Sessions July 11-14, 2022
 - May SAG meeting in-person at AlexRenew
-



**Public Comment
Period**



RiverRenewTM

INVESTING IN HEALTHIER WATERWAYS FOR ALEXANDRIA