

Recap from November Meeting

- Provided a summary of noise variances with the City of Alexandria
- Provided an overview of pile driving activities and mitigation techniques at the Pendleton Street Site
- Tunnel Project Update
- Community Outreach Update

Tonight's Presentation

- SAG Feedback
- 2023-2024 SAG
- Tunnel Project Update
- Community Outreach Update
- Major Takeaways

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



In January 2023, City Council extended the term of the RiverRenew SAG through February 2024.

2023-2024 SAG Representation and Members:



Morgan BabcockEisenhower Partnership
Nominee



Mace Carpenter
Tobacco Quay, Waterfront
Residences, or Rivergate



Liz BirnbaumCarlyle 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 AppEngineering,
Environmental, Financial,
or related Background



Erik OlsonNOTICe 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 2023 Feb 2024
- Final term





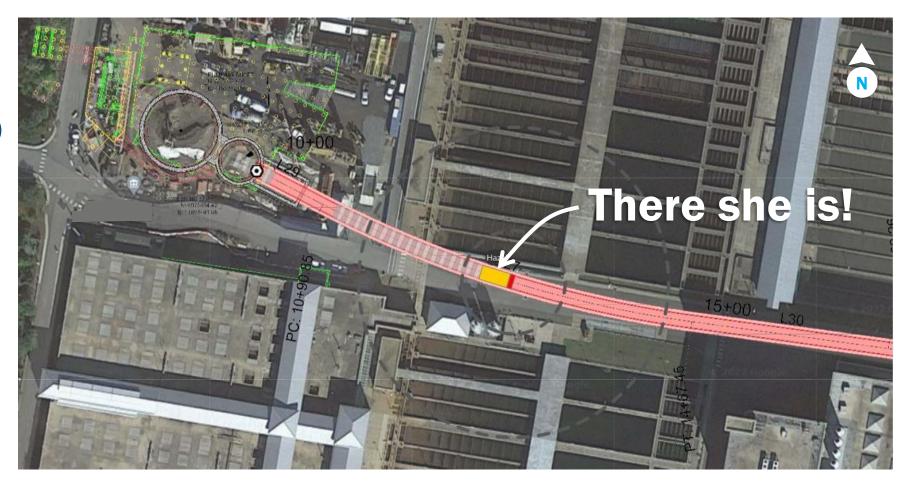
Summary of RiverRenew Tunnel Project noise variances permitted by the City of Alexandria.

Site	Activity	Noise variance	Hauling	Dates
Pendleton	Shaft excavation	5 a.m. – 11 p.m. (Mon-Fri)	7 a.m. – 6 p.m. (Mon-Fri)	Dec 2022 - May 2023
Street	TBM removal	24/7	7 a.m. – 6 p.m. (Mon-Fri)	Oct 2023 - Dec 2023
AlexRenew	Tunnel construction	24/7	7 a.m. – 6 p.m. (Mon-Fri)	Aug 2022 – Oct 2023



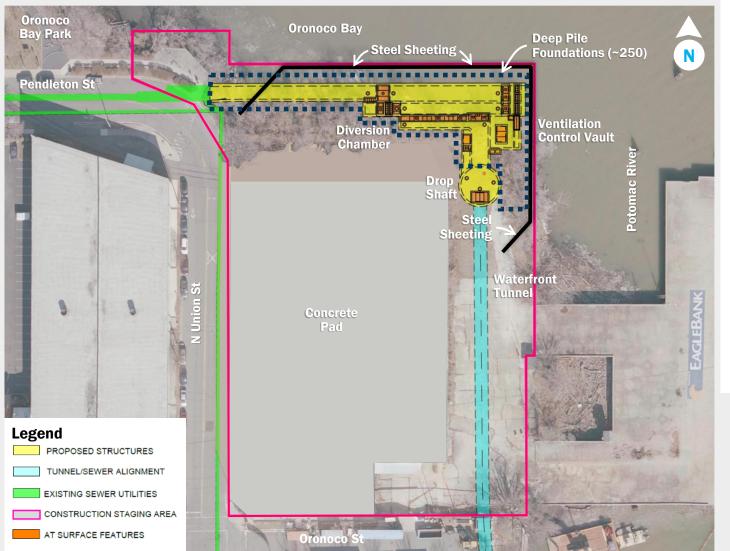
Status of Hazel the TBM

- 300 feet mined
- 10 gantries installed
- 61 rings (366 segments)
- 1 intervention to date





Pendleton Street Site design and construction update.







Major Activities

- Shaft excavation ongoing
- Preparing site for pile driving



Pile driving at the Pendleton Street Site will start in February and last through June.

restored Pendleton St Site

- 250 steel H-piles to depth of 100-feet
- Vertical and angled
- Foundation for diversion facility and promenade
- Accelerated schedule to meet milestone
- 9 a.m. 6 p.m., Mon-Fri





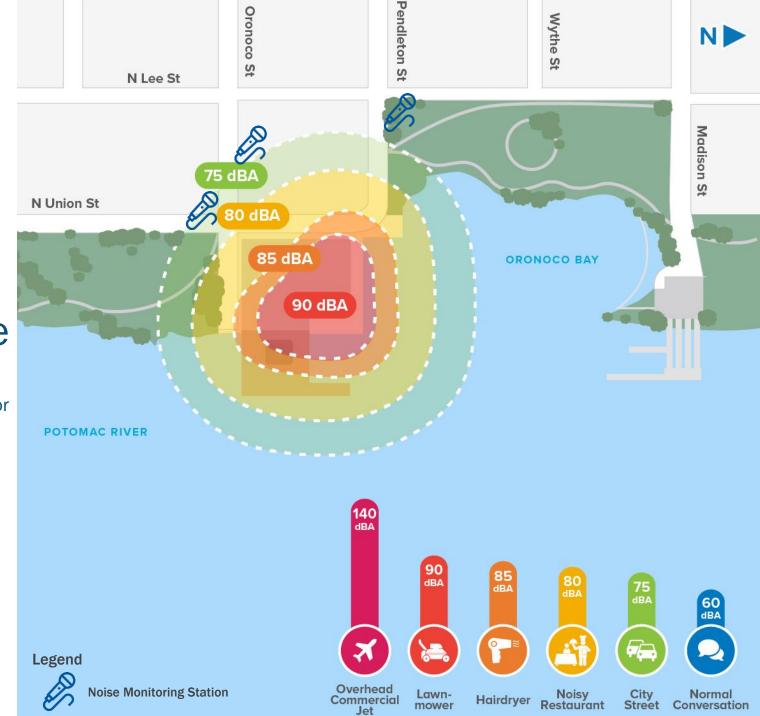
Vibrations associated with pile driving are not anticipated to cause impacts to existing structures.



Anticipated sound levels associated with pile driving at the Pendleton Street Site

Note: Sound levels are measured in decibels (dB). The higher the decibels, the louder the noise. A dBA is a weighted scale for judging loudness that corresponds to the hearing threshold of the human ear.

Pile driving restricted to 9 a.m. – 6 p.m. (Mon-Fri)



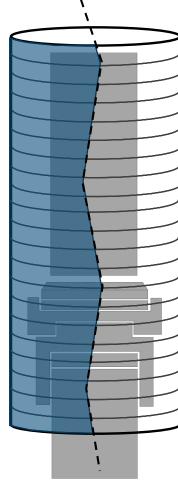
Mitigation approaches to minimize sound levels associated with pile driving activities.



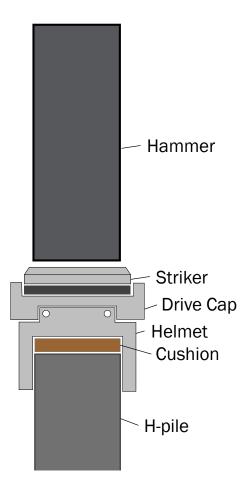
Stacked conex boxes to deflect noise away from the community.



Sound blankets along fence to dampen noise



Enclosure to shroud the impact hammer



Cushion to dampen contact with H-pile



Vibrate piles initially



Evaluate use of hydraulic vs diesel hammer



Personal use items



Update on Pendleton Street Site pile driving community outreach campaign.

- Sip 'n See:
 - Thursdays 11 a.m. 1 p.m.
 - "Special Edition"
- Flyer distribution
- Electronic messaging board
- Updates through SAG
- Emails
- Website updates
- Social media posts







Major construction activities in the next 6 months at Pendleton Street Site.

Feb	Mar	Apr	May	Jun	Jul		
Shaft Excavation		Permanent Concrete (Shaft and NSS)					





No anticipated impacts to sidewalks, bicycle routes, or travel lanes

70 trucks/day

Shaft Excavation



9 a.m.–6 p.m. Mon–Fri

No anticipated impacts to sidewalks, bicycle routes, or travel lanes

15 trucks/day

Near Surface Structures Deep Foundations (Pile Driving Activities)



7a.m.–6p.m. Mon–Fri

No anticipated impacts to sidewalks, bicycle routes, or travel lanes

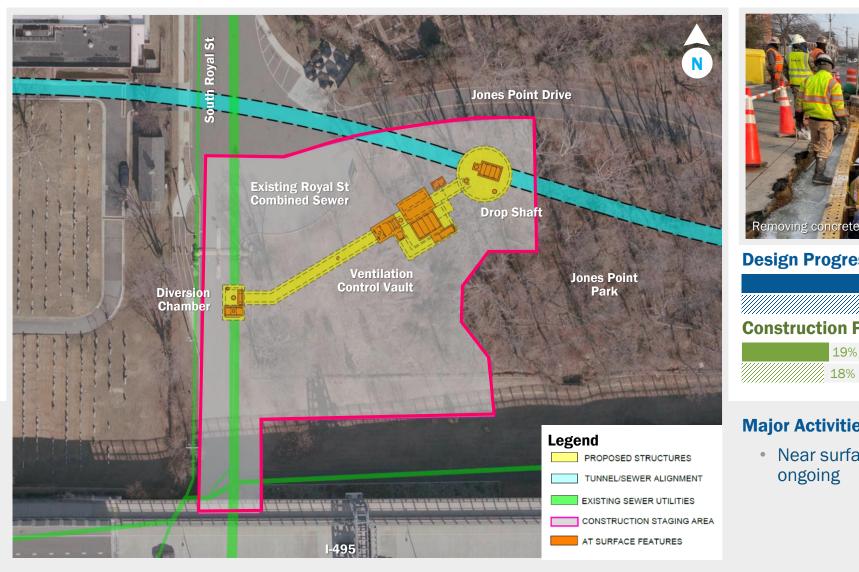
70 trucks/day

Permanent Concrete Construction





Royal Street Site design and construction update.





Major Activities

 Near surface structure support of excavation ongoing



Jul 2024 ▲

Parking restrictions near Royal Street Site

- Steel beam deliveries
- Additional deliveries in February

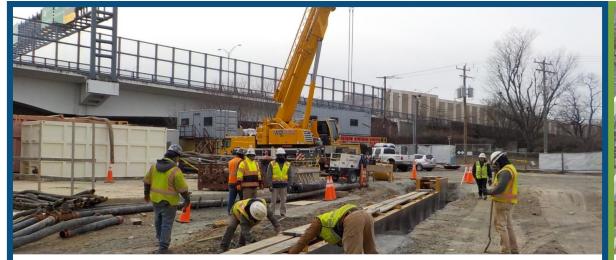




Major construction activities in the next 6 months at Royal Street Site.

 Feb
 Mar
 Apr
 May
 June
 July

 Near Surface Structures Support of Excavation (SOE) and Foundation Piles
 Near Surface Structures Construction



7am-6pm Mon-Fri

Occasional parking restrictions along haul route No anticipated impacts to sidewalks, bicycle routes, or travel lanes

20 trucks/day

Near Surface Structures
Support of Excavation and Foundation Piles



7am-6pm Mon-Fri

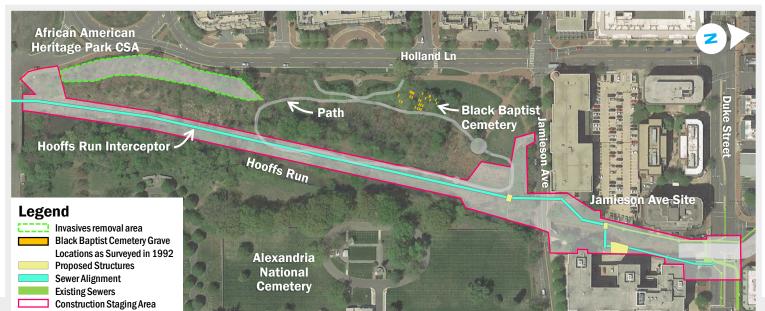
No anticipated impacts to sidewalks, bicycle routes, or travel lanes

30 trucks/day

Near Surface Structures Construction



Hooffs Run Interceptor design and construction update.





Major Activities

- Jamieson Ave Site diversion chamber and extension sewer construction ongoing
- African American Heritage Park Site manhole construction ongoing



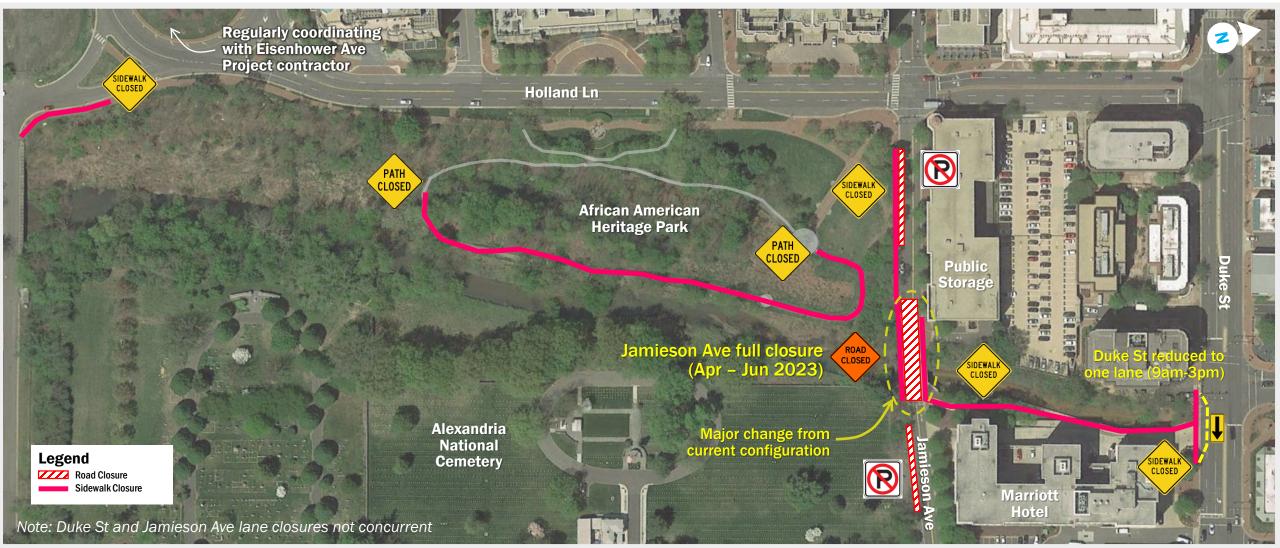
 African American Heritage Park Site



Jamieson
 Avenue Site



Upcoming road and sidewalk changes associated with Hooffs Run Interceptor (April – June 2023).





Major construction activities in the next 6 months at Jamieson Avenue Site.

Feb	Mar	Apr		May	June	July
Diversion Chamb	per, Junction Chamber and Ma	nhole		Open-Cut		Diversion Chamber

Jamieson Avenue full closure



7am-6pm Mon-Fri

Lane and sidewalk closures: Duke St and Jamieson Ave

30 trucks/day

Diversion Chamber, Junction Chamber, and Manhole Construction



7am-6pm Mon-Fri

Lane and sidewalk closures: Duke St and Jamieson Ave

10 trucks/day

Open-Cut Construction

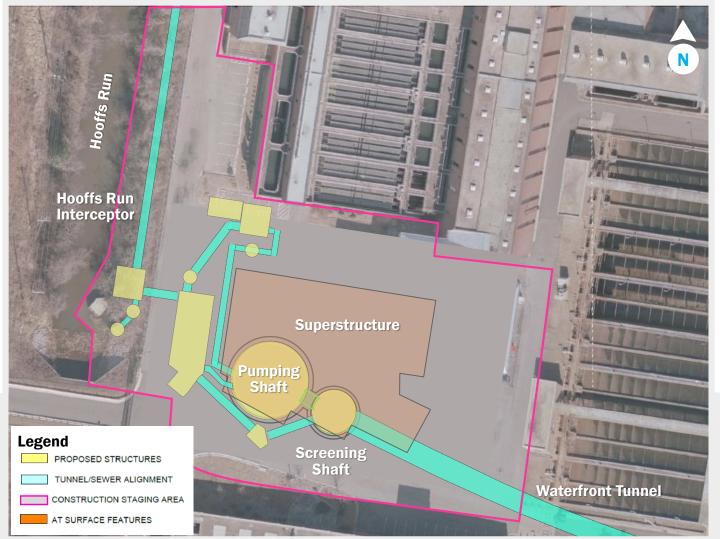


Major construction activities in the next 6 months at African American Heritage Park Site.

/ (ITICITOATT TIC	cittage i ain c						
Feb	Mar	Apr	May		Jun		July
Manhole	Open-Cut	Sheeting	Open-Cut	She	eeting	Open-Cı	ut
	-6pm n-Fri		-6pm ∩-Fri			7am-6pm Mon-Fri	
Jamieson Av Parking restriction:	es (intermittent): e, Holland Ln s (24/7): Jamieson s (24/7): AAHP	Jamieson Av Parking restriction	Sidewalk closures (intermittent): Jamieson Ave, Holland Ln Parking restrictions (24/7): Jamieson Path closures (24/7): AAHP Sidewalk closures (intermittent Jamieson Ave, Holland Ln Parking restrictions (24/7): Jamieson Path closures (24/7): AAHP		n mieson		
30 trud	cks/day	30 trud	cks/day			10 trucks/day	
Manhole C	onstruction	Open-Cut C	onstruction			of Excavation (Shee	



AlexRenew design and construction update.





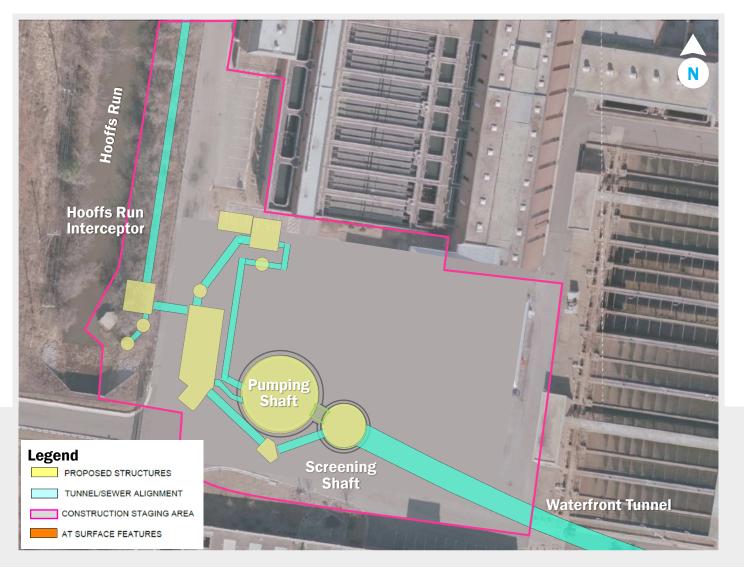


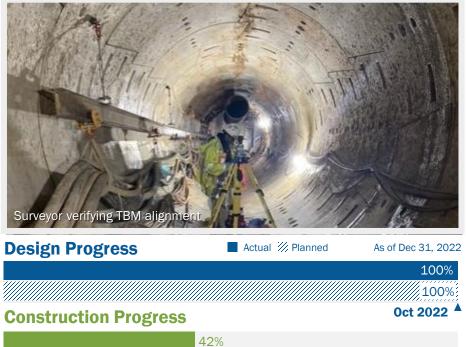
Major Activities

- Near surface structure support of excavation ongoing
- Ground improvement for Hooffs Run Interceptor (microtunnel) ongoing



Waterfront Tunnel design and construction update.





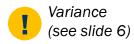
Major Activities

- TBM mining ongoing
- Assembling tunnel muck support structures



Sep 2023 ▲

Major construction activities in the next 6 months at AlexRenew Site.





7a.m.-6p.m. Mon-Fri 50 trucks/day



7a.m.-6p.m. Mon-Fri 30 trucks/day



! 24 hours/day 7 days/week (Hauling 7a.m.-6p.m.)

120 trucks/day

Mine 700' Set up Muck Conveyor		Tunneling			
Feb	Mar	Apr	May	Jun	Jul

Near Surface Struct. SOE

Microtunneling

Permanent Concrete Structures



7a.m.-6p.m. Mon-Fri 50 trucks/day



7a.m.-6p.m. Mon-Fri 50 trucks/day



7a.m.-6p.m. Mon-Fri 30 Trucks/day



Historic signage development update

- Presented signage introduction to SAG in May 2022
- Completed further research for AAHP topics over Summer 2022
- Met with Mr. Myers to get feedback on signage development and additional ideas in October 2022
- Worked with **Dutton & Associates** to advance research and develop cohesive narrative for AAHP in Fall 2022
- Coordinated with the City to finalize signage
 locations and topics for AAHP in December 2022
- Designs to be substantially complete by Summer 2023
- Signs to be installed Spring 2025



Sanctuary

Freedom

Civil Rights

Remembrance



Upcoming community outreach.

















Meeting Takeaways

- Pile driving upcoming at Pendleton Street (Feb – Jun)
 - Community outreach campaign is underway
- Near surface structure SOE ongoing at Royal Street Site
- Jamieson Avenue full closure anticipated
 Apr Jun
 - Bike, pedestrian, and vehicle detours
- Waterfront Tunnel construction underway
- Listening Sessions Mar 6, 7, and 9
- Waterfront Tunnel Tour May 6



