



TANTALLON

INFRASTRUCTURE & FLOOD MITIGATION
WORKGROUP



VIRTUAL COMMUNITY MEETING
MARCH 10, 2022



Angela D. Alsobrooks
County Executive
"Prince George's Proud"

WELCOME!

Meeting Agenda



- ❖ Welcome & Webinar Reminders
- ❖ Greetings and Purpose of Workgroup
- ❖ Workgroup Accomplishments
- ❖ County Led Infrastructure Project Updates
- ❖ Community Flooding Challenges
 - ❖ Stormwater Management & Water Quality Project
 - ❖ Phase I/II Status Update
- ❖ Community Infrastructure Presentation
 - ❖ Public Right of Way Easements
 - ❖ Drainage Easements and Abutters Ordinance
 - ❖ County and Homeowner Responsibility
- ❖ WSSC Presentation: Water/Wastewater 101
- ❖ Prince George's County Schools K-8 School
- ❖ Current Community Speeding Concerns
- ❖ Community Q&A



TANTALLON COMMUNITY

Purpose of Workgroup



Greetings & Purpose of Workgroup

Floyd E. Holt

Workgroup Chair

Deputy Chief Administrative Officer

Government Infrastructure, Technology & Environmental Services

Prince George's County Government



TANTALLON COMMUNITY

Community Workgroup Representatives



Tantallon Community Workgroup Representatives

- Ronald Weiss, Board Member of the Tantallon Citizen's Association, Inc., *Working Group Co-Chair*
- Hazel Robinson, President, Tantallon Square Civic Association
- Carter Ferrington, President, Tantallon Citizens Association
- Herbert Jones, President, Tantallon North Area Civic Association
- Duane Bouie, Chairman, TNACA Infrastructure & Technology Committee
- Tolores Holmes, Impacted Resident
- Zaneta Walthour, Impacted Resident
- Flavia Walton, Impacted Resident

TANTALLON COMMUNITY

Workgroup Accomplishments



Workgroup Accomplishments

- **Ronald Weiss**, *Workgroup Co-Chair*
Board Member of the Tantallon Citizen's Association, Inc.
- **Hazel Robinson**, President, Tantallon Square Civic Association
- **Herbert Jones**, President, Tantallon North Area Civic Association
- **Carter Ferrington**, President, Tantallon Citizens Association



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County Led Infrastructure Project Updates



Jeff DeHan, Associate Director
Stormwater Management Division
Department of the Environment



Charlie Griffith, Associate Director
Office of Storm Drain Maintenance
Department of Public Works and Transportation

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Community Flooding Challenges



- ❖ The Tantallon area has long had challenges concerning drainage, flooding, and storm water management. Many other communities across Prince George's County experience similar challenges as well.
- ❖ Overall drainage issues include:
 - ❖ Development pre-dates SWM and drainage regulations (Built to regulations at time)
 - ❖ High groundwater tables (perpetually soggy yards)
 - ❖ Properties within floodplains
 - ❖ Standing water, ponding on and around property
 - ❖ Wet or standing water in basements (note this also relates to design standards at time of construction)
 - ❖ Excessive discharges—sump pump, underdrains, down spouts
 - ❖ Erosion problems
- ❖ Improper grading. Does not slope downwards away from foundation of the house
 - ❖ Flat or negatively sloped. Inhibits natural path for surface water. Creates ponding
- ❖ Properties on low-lying areas, lowest lots of the community
- ❖ Inadequate basement water proofing, foundation damage





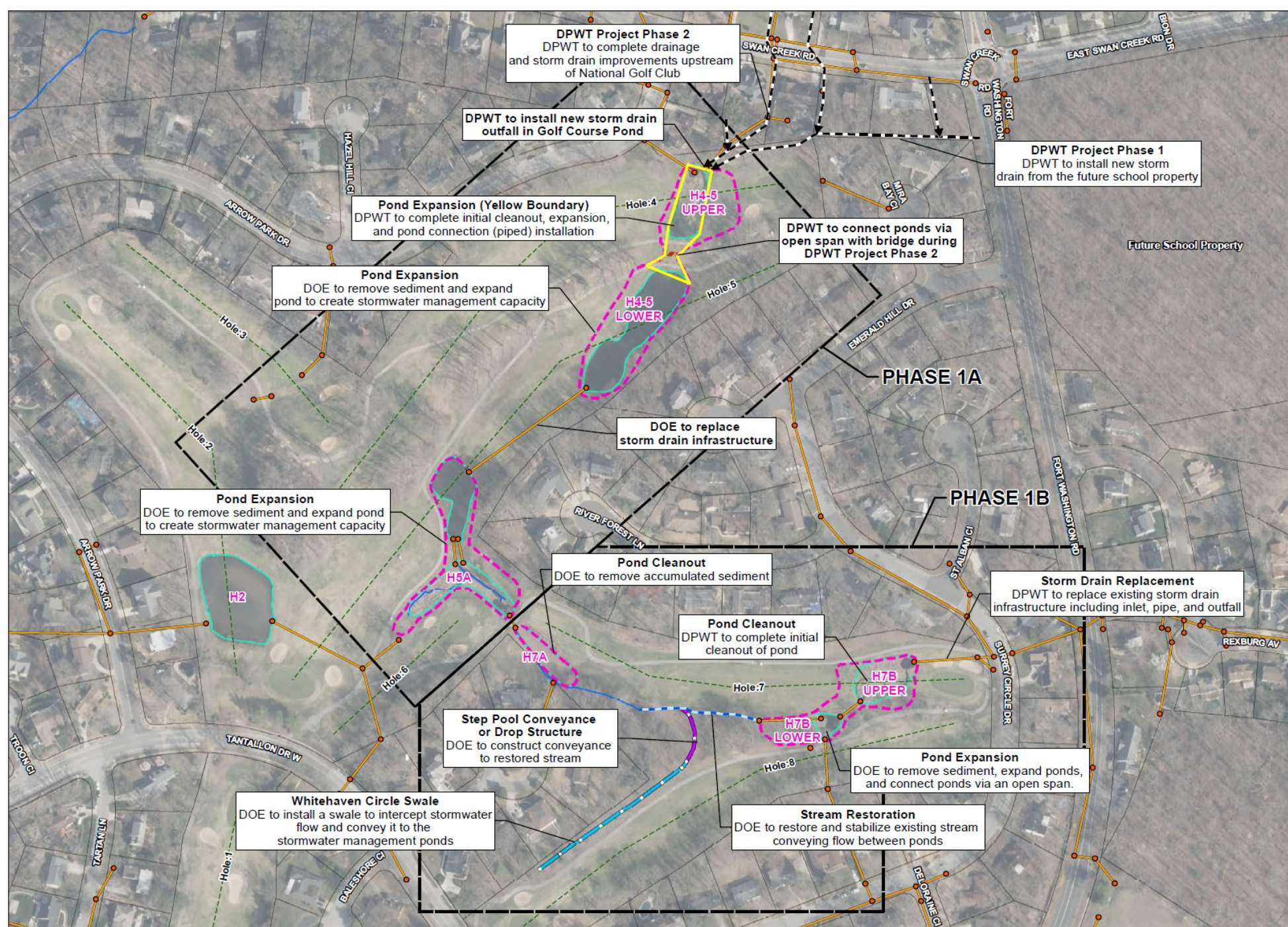
PRINCE GEORGE'S COUNTY DEPARTMENT OF THE ENVIRONMENT TANTALLON FLOOD AND STORMWATER MANAGEMENT & WATER QUALITY PROJECT PROPOSAL



Angela D. Alsobrooks
County Executive

- DoE is evaluating a project proposal for a stormwater volume and water quality restoration project in the Tantallon Community.
- In addition to meeting Federal and State mandates, this project will address adverse drainage conditions and provide stormwater volume control improvements for the Community
- Concept design includes construction of three (3) stormwater management ponds (from five existing ponds) and one bio-swale, replacement of failed stormwater management infrastructure, and stream restoration.
- The proposed plan recognizes DPW&T project work and will be implemented in two phases; Phase 1A & 1B
- Anticipated schedule. 12-month design and permitting phase and roughly nine months of construction, followed by one year of maintenance and monitoring and five years of stream restoration maintenance and monitoring

Angela D. Alsobrooks
County Executive



Document Path: X:\Planning_Design\PROJECTS\National_Golf_Course\OverviewConceptPhase1_ForCommunity.mxd













Figure 1

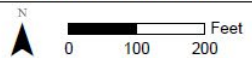
Ft. Washington, MD

**Fort Washington Flood
Risk Mitigation
& Stormwater
Management Project**

Phase 1A & 1B Concept Plan

-  Potential Stream Restoration
-  Proposed Pond Limit
-  Existing Pond Footprint
-  Swale
-  Step Pool Conveyance
-  Adjacent Parcels
-  Streams
-  StormDrainStructures
-  Storm Drain Lines
-  DPWT Planned Drainage Improvements

1 inch = 200 feet



Date Figure Created: 11/30/2021

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DPW&T Phase 1 & Phase 2 Status Update



- ❖ Phase 1 — Storm Drain Completed and will complete landscaping within one week
- ❖ Surrey Circle Outfall — Completed
- ❖ Phase 2 — Upgrade of Flaim La. - Swan Creek Rd. drainage system: Project is in design.
 - ❖ Performing utility designation work in Spring 2022
 - ❖ Performing additional field topographic survey in Spring 2022
 - ❖ Hydrologic and hydraulic analysis will occur over Calendar Year 2022
 - ❖ Scope of design will be informed by the results of the analysis



TANTALLON COMMUNITY

DPW&T Phase I (Completed Photos)



Existing storm drain pipe



New structures installed



New triple 36-inch culverts

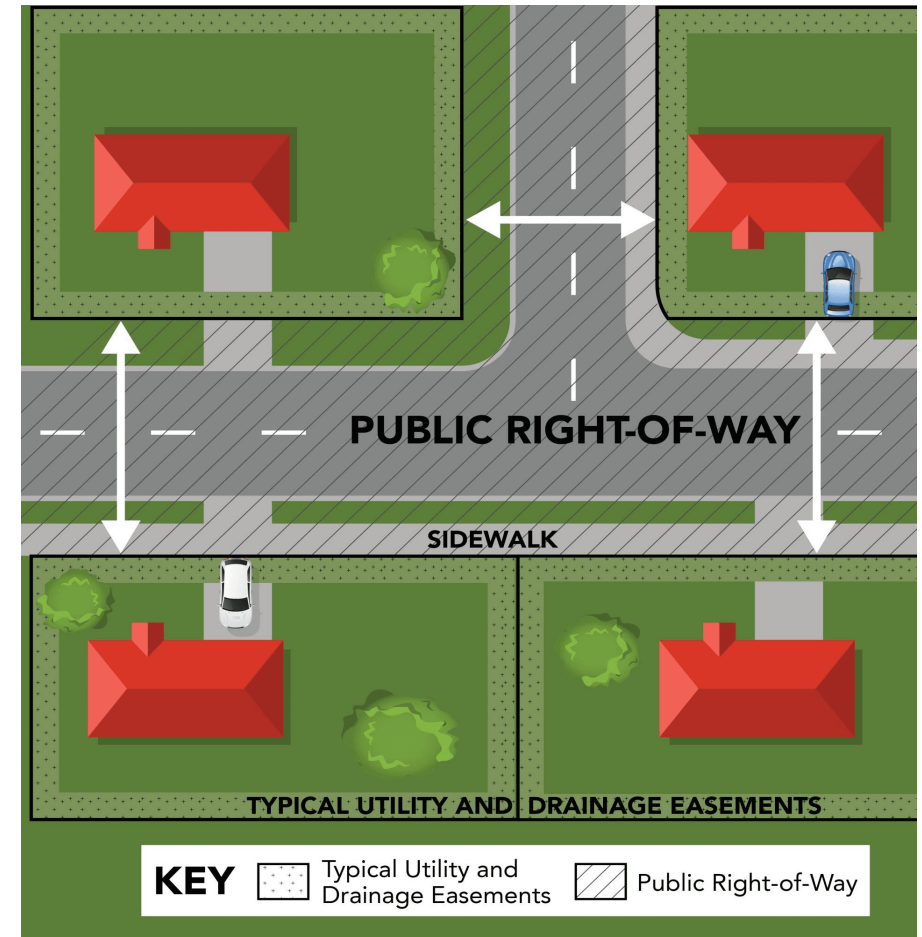


TANTALLON COMMUNITY

Public Right of Way and Easements



- ❖ The County right of way includes spaces on Right of Way around public infrastructure, such as sidewalks, County roads, utilities, and stormwater facilities. For example, the area between the edge of your property and a County road may be within the County right of way. This right of way is important for Prince George's County because it allows DPW&T and other County agencies the ability to build and maintain infrastructure that benefits everyone, such as sidewalks, road signs, and stormwater management facilities.
- ❖ An easement is a right to use some areas of a property that is not owned by the County for a specific purpose.
 - ❖ A storm drain easement allows the County to build and maintain stormwater infrastructure to prevent flooding.
 - ❖ Stormwater easements are required for all public stormwater facilities maintained by the County and located outside the public right of way.
 - ❖ A surface drain easement is required whenever concentrated water flow crosses another property line.



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County and Homeowner Responsibility



- ❖ Abutters Ordinance - Homeowner is responsible for cleaning small debris, leaves and small trash.
 - ❖ *"It shall be the duty of the owner or lessor of any real property, improved or unimproved, unless such duty has been delegated to a lessee in actual possession, as the case may be, to prevent the deposit of dirt, sediment, debris, gravel, oil, litter, or any other matter"*
- ❖ County is responsible for functional maintenance.



TANTALLON COMMUNITY

What can residents do to mitigate drainage issues?



- ❖ Minor regrading to provide positive drainage swales
- ❖ Downspout extensions- Flexible or corrugated piping. Discharge 8-10 feet out, 10 feet from property line
- ❖ Install sump pump, foundation drain. Sump pump back-up battery operated-
- ❖ Sump pump must discharge at a point where drainage will not encroach on neighboring properties and cause wetness or ponding nuisance. Discharge at least 10 feet from property line.
- ❖ Install baseboard drains
- ❖ Install gravel trenches along driveways or patios to collect water and allow it to filter in the soil
- ❖ Erosion prevention-re-sod bare patches in lawn
- ❖ Retrofit and waterproof your home/basement
- ❖ Ensure gutters and downspouts are free of debris
- ❖ Install French drain with inlets
- ❖ Limit permeable surfaces
- ❖ Purchase flood insurance





WATER/WASTEWATER 101

Damion Lampley, P.E. Utility Services Department

March 10, 2022

AGENDA

- WSSC Water Strategic Plan
- WSSC Water At A Glance
- Water/Wastewater Basics
- What To Do If Something Breaks?



WSSC WATER STRATEGIC PLAN

Journey to World Class



MISSION: We are entrusted by our community to provide safe and reliable water, life's most precious resource, and return clean water to our environment, all in an ethical, sustainable, and financially responsible manner.

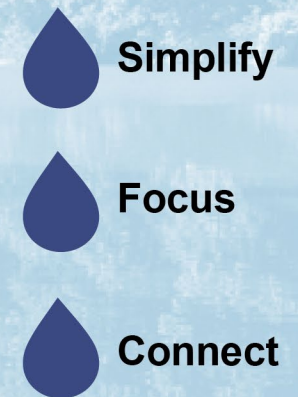
CORE VALUES



STRATEGIC PRIORITIES

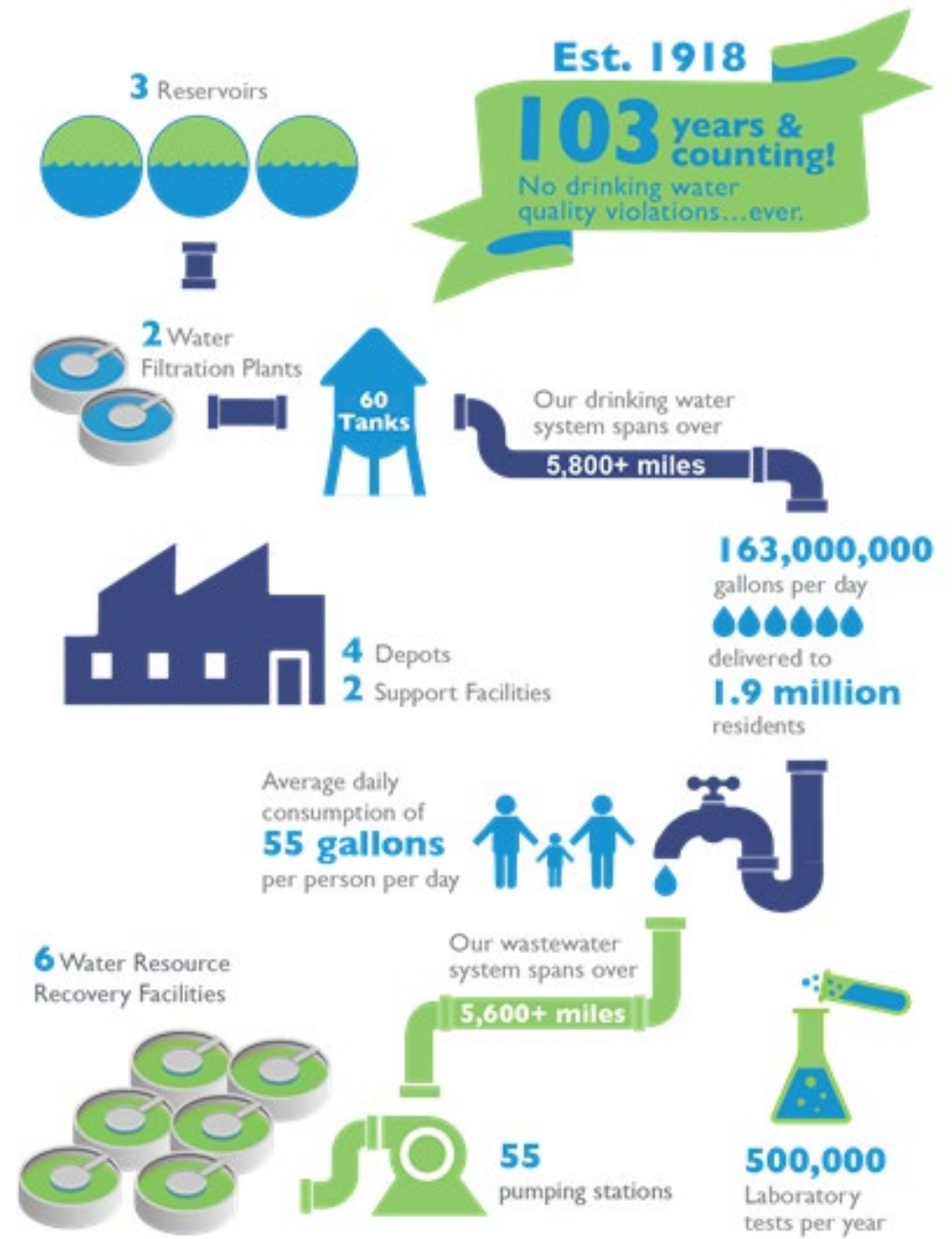
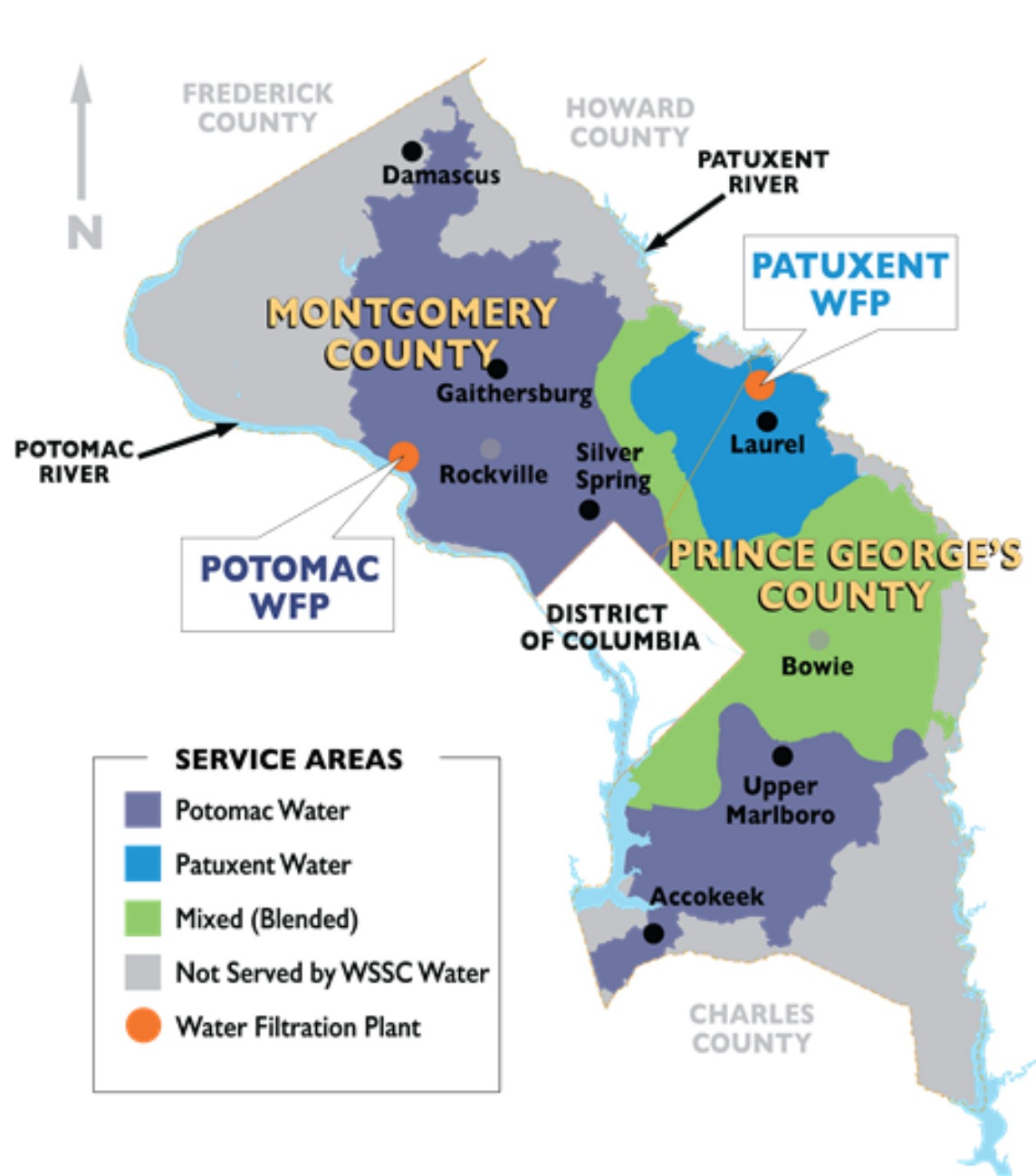


GUIDING PRINCIPLES



VISION

To be THE world-class water utility, where excellent products and services are always on tap.



WATER DEFINITIONS

Water Main: a primary underground pipe for conveying potable (treated) water.

Water House Connection: small diameter pipe used to connect the user to the water main, also referred to as “service line.”

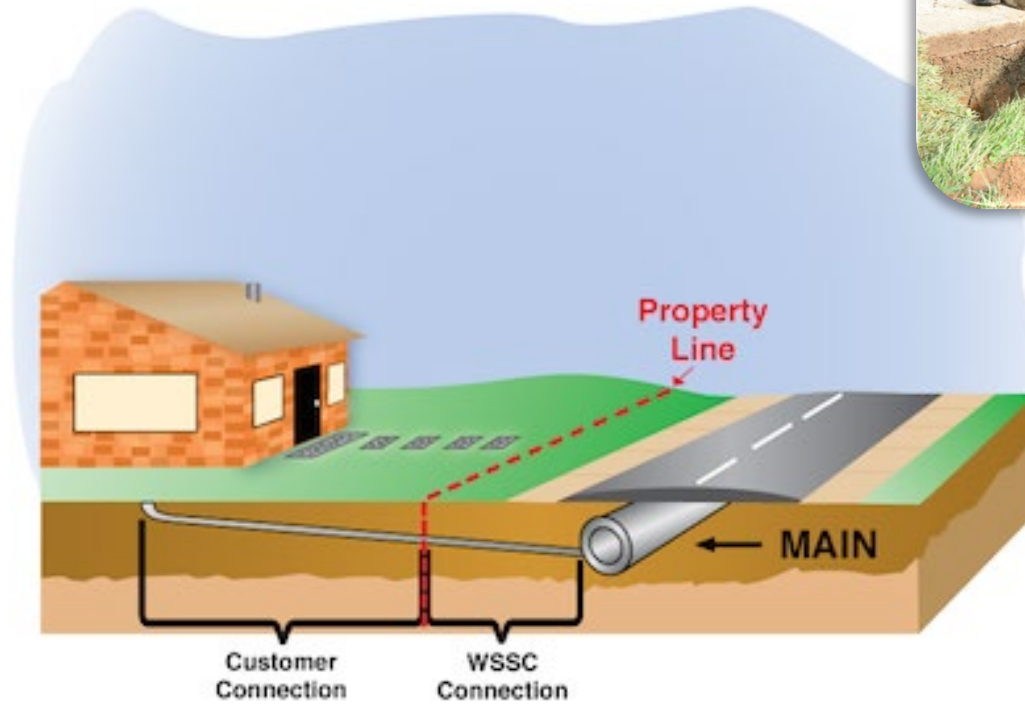
Meter: located inside or at the property line, is an instrument for recording the quantity of water through the water house connection.

Curb Stop: a shutoff valve located at the property line when the customer has an inside meter.

IDENTIFYING RESPONSIBILITY

There will be at the property line:

- For Water
 - Outside Meter
 - Curb Box with inside meter
- For Wastewater
 - Clean Out



WHO OWNS WHAT?

WSSC Water

- Lids with “Water” or a “W”
- Fire Hydrants are grey and green
- Wastewater typically has a “S” on the lid



Others

- Storm Drains either have a “D” or “Storm Drain” on the lid. These are maintained by the County.
- Electric has “PEPCO” lids and often different pattern.
- Fire Hydrants that are not grey and green are privately owned, these are usually located in shopping centers.

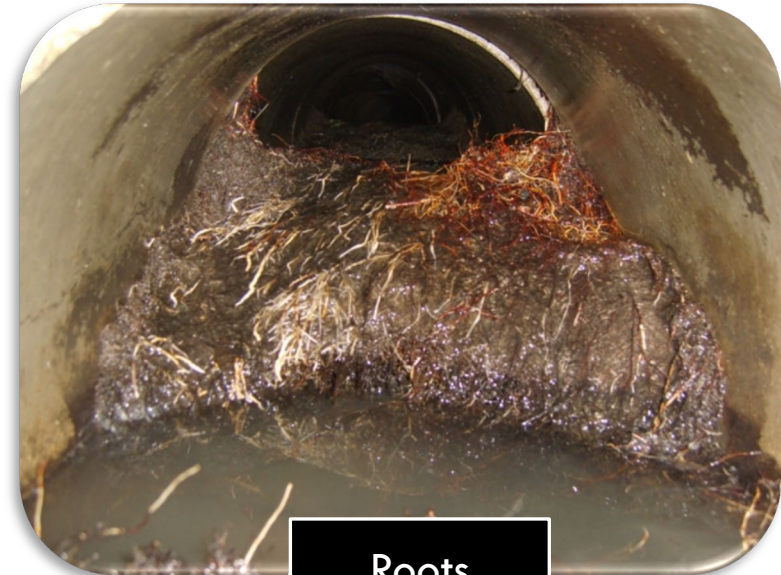
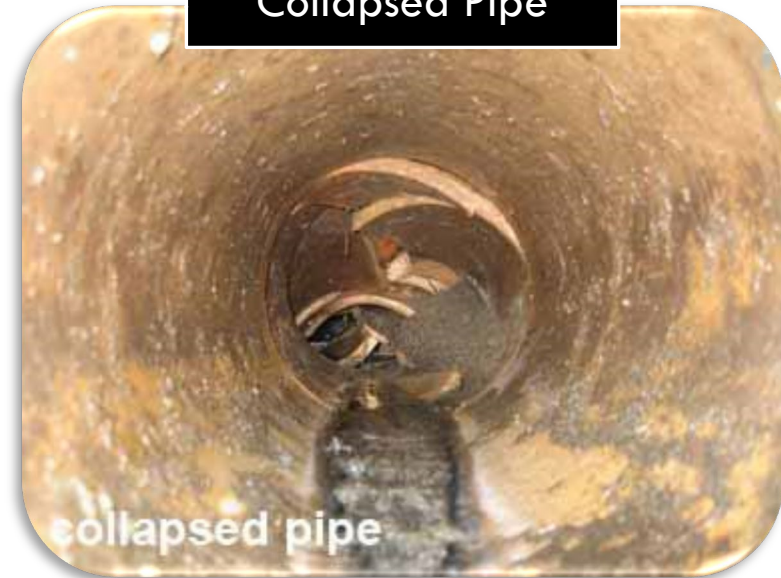


PIPES BREAK

- System is vulnerable
- Aging Infrastructure



Collapsed Pipe



WATER EMERGENCIES



- We will investigate to determine the location.
- If the leak repair is the owner's responsibility, WSSC Water will confirm in writing.
- If the leak is in the WSSC Water portion of the service or on the main, we will:
 - Notify the occupant/caller
 - Make repairs
 - Restore the affected area to its original condition

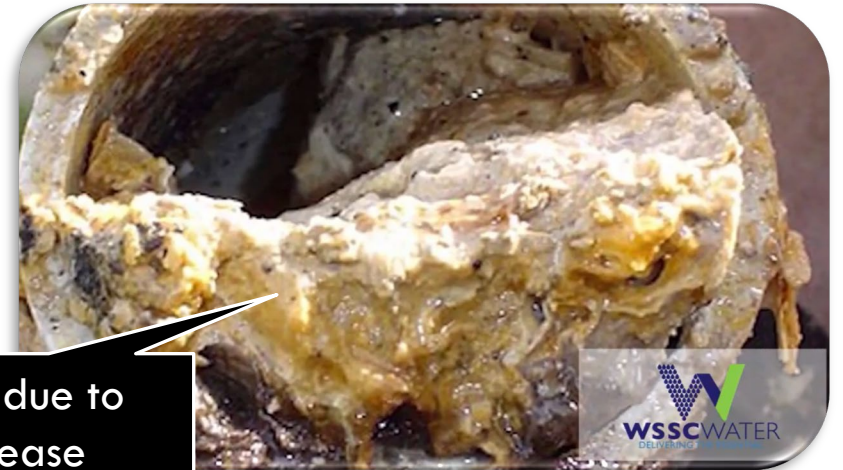


WASTEWATER EMERGENCIES

- **Sanitary Sewer Overflow (SSO):** release of raw sewage on the public side, as a result of blockages, line breaks, defects that allow stormwater and groundwater to overload the system, power failures, and vandalism.
- **Basement Backup (BBK):** release of raw sewage inside a property, as a result of damaged sewer lines, severe weather conditions, clogs, and tree roots.



SSO due to
wipes



BBK due to
grease

WSSC WATER RESPONSIBILITY

- Water and Wastewater
 - Meters, Pipes, Manholes, Valves, Fire Hydrants, etc.
- Located on public property
- Ends at private property



New Construction



Preventative
Maintenance



Emergency Response



PROTECT YOUR PIPES

No FOG



Never pour
FATS, OILS
or **GREASE**
down the drain.

Three Ps



Flush **only**
PEE, POOP,
and
toilet **PAPER.**

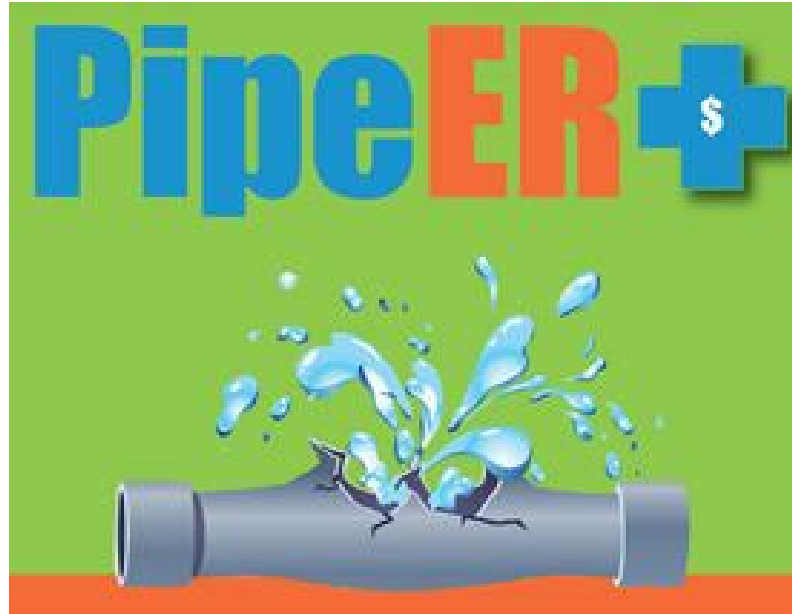
55°+



Keep 'em warm!
Make sure
temperature
stays above **55°**

SERVICE LINE ASSISTANCE

If your service line breaks, the **property owner is responsible** for making repairs.



If you need emergency funds, check out **PipeER**.

Program can help with up to **\$5,000 loan** for repairs.

<http://wsscwater.com/pipeer>

Report A Problem



301-206-4002



**EmergencyCallCenter
@wsscwater.com**



**WSSC Water
Mobile App**

Our Emergency Services Center is here

24 / 7 / 365

Sign Up!

- Best way to receive alerts about repair updates.
- Register to receive text or email alerts.



wsscwater.com/cns

SOUTHERN AREA K-8 COMMUNITY TOWN HALL PRESENTATION

March 10, 2022



SOUTHERN AREA K-8 ACADEMY



CONSTRUCTION PROGRESS UPDATE

Work Completed This Month:

- Foundations and elevator pit completed in Zone 3
- Complete under slab plumbing in Zones 1 & 2
- Complete under slab electrical in Zones 1 & 2
- Prep for slab on grade pour in Zone 1

Work In Progress:

- Monitoring settlement of fill dirt and surcharge dirt on the building pad
- Grading site at green field and playing court areas
- Delivery of steel joists and metal decking
- Mobilization of steel erector and crane to site



ITEMS TO COMPLETE IN COMING WEEKS

Activity

1. Pour concrete slab on grade in Zone 1
2. Begin under slab MEP utilities in Zone 3
3. Pour concrete slab on grade in Zone 2
4. Erection of structural steel

Timeframe

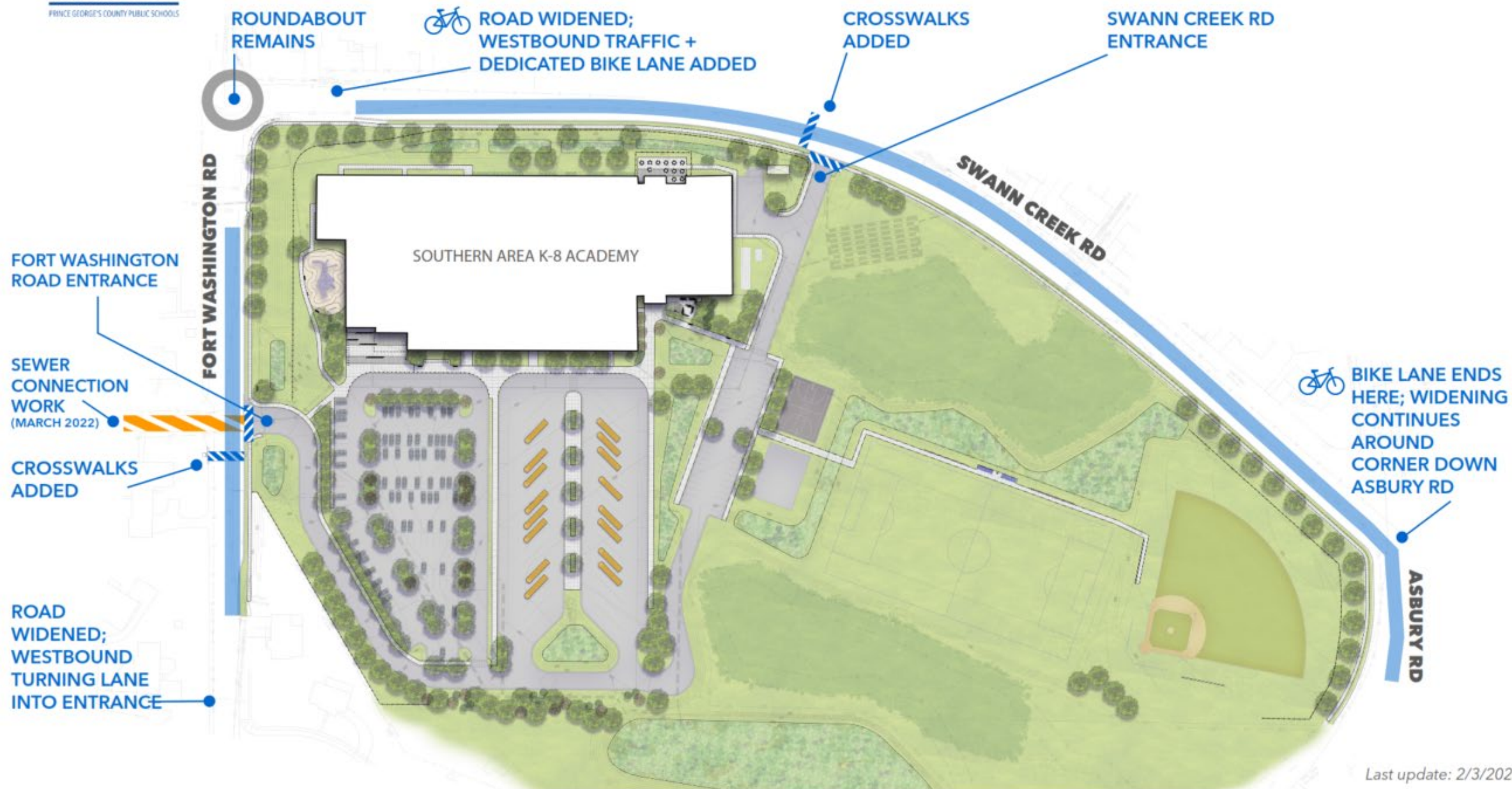
1. Started week of 2/28/22
2. Started week of 2/28/22
3. Starting week of 3/7/22
4. Starting week of 3/28/22

CURRENT PROJECTED STEEL DELIVERY DATES

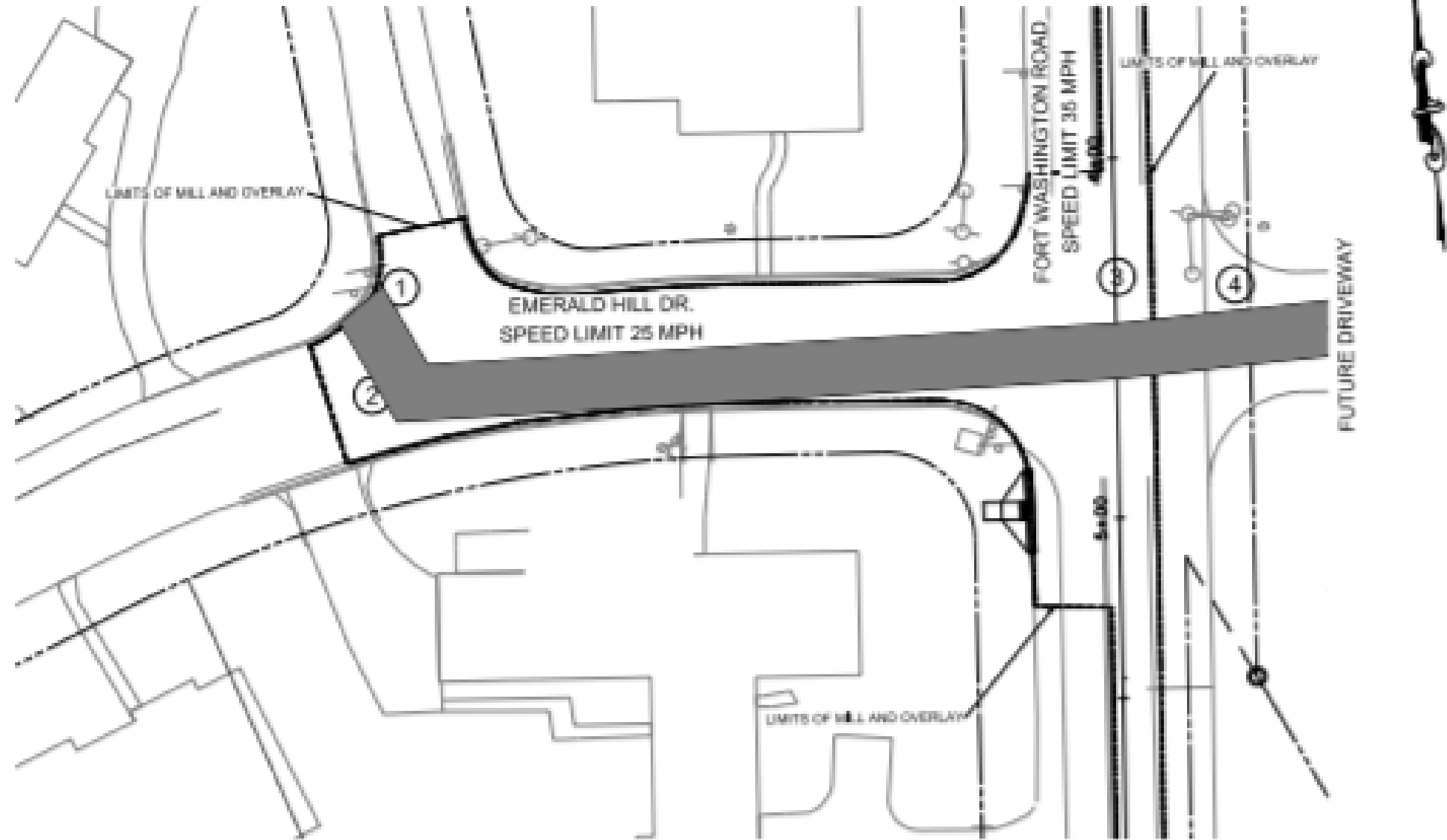
- Wednesday - 3/2
- Thursday - 3/3
- Monday - 3/7
- Wednesday - 3/9
- Friday - 3/11
- Monday - 3/14
- Wednesday - 3/16
- Friday - 3/18
- Tuesday - 3/22
- April & May dates TBD.



SOUTHERN AREA K-8 ROAD WIDENING PLAN: High-level overview



SEWER WORK AREA



TANTALLON COMMUNITY

Current Community Speeding Concerns - PGPD



Prince George's County Police Department
Division VII
Cpl. Stephen Rannacher / Cpl. Victoria Blackwell

Accident Statistics	2020		2021		% Change
Countywide Total	25,786	100.00%	28,175	100.00%	9.26%
Swan Creek Rd	87	0.34%	120	0.43%	37.93%
Ft Washington Rd	92	0.36%	91	0.32%	-1.09%
Indian Head Highway (between Swan Creek Rd and Ft Washington Rd)	116	0.45%	156	0.55%	34.48%
Traffic Stop Statistics	2020		2021		% Change
Countywide Total	37,974	100.00%	41,440	100.00%	9.13%
Swan Creek Rd	400	1.05%	667	1.61%	66.75%
Ft Washington Rd	258	0.68%	503	1.21%	94.96%
Indian Head Highway (between Swan Creek Rd and Ft Washington Rd)	343	0.90%	619	1.49%	80.47%

QUESTION AND ANSWERS





“THANK YOU”



Angela D. Alsobrooks
County Executive
"Prince George's Proud"

Please visit the *Tantallon Infrastructure & Flood Mitigation Workgroup* webpage for a copy of today's presentation, contact numbers and additional resources documents

mypgc.us/Tantallon