Miller Kelton: Newton Bedford

Pre-Construction Kickoff

May 6, 2026 | 6:00 – 8:00 p.m.

COLUMBUS WATER & POWER

Welcome

Moderator

CAMERON KEIR
Blueprint Columbus

Presenters

CAMERON KEIR
Blueprint Columbus

GREG BARDEN, P.E.
Blueprint Columbus

ANDERSON KREZAL
Lead-Safe Columbus

Agenda

- Blueprint 101:
  A Refresher
- Construction Plans – Newton Bedford:
  A Deeper Dive
- Neighborhood Impacts
- What's Next?
  Outreach
- Q&A
- Open House

Project Outline

- **Construction Kickoff – Newton Bedford!**
- **Pervious Pavement**
- **Three Regional Rain Gardens**
- We're NOT talking about
  - Kent-Fairwood Rain Gardens/Pavers
  - Driving Park Rain Gardens
  - Construction in this half of the project begins later this summer! We will have a community kickoff meeting before construction begins.

Blueprint 101

A Refresher

CAMERON KEIR

Columbus Water & Power

City of Columbus

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Consent Orders

2002 SSO (Sanitary Sewer Overflow) Order

Requires Columbus to address SSOs by providing adequate system capacity for base and peak flows

- Original plan submitted in 2005
- Original plan included two 14-mile deep sewer tunnels
- “Blueprint Alternative” submitted and approved by Ohio EPA in 2015

2004 CSO (Combined Sewer Overflow) Order

- Plan submitted in 2005
- OARs tunnel completed July 2017
- CSO volumes have reduced dramatically

NOTE: Blueprint is NOT a flooding mitigation program by design alone

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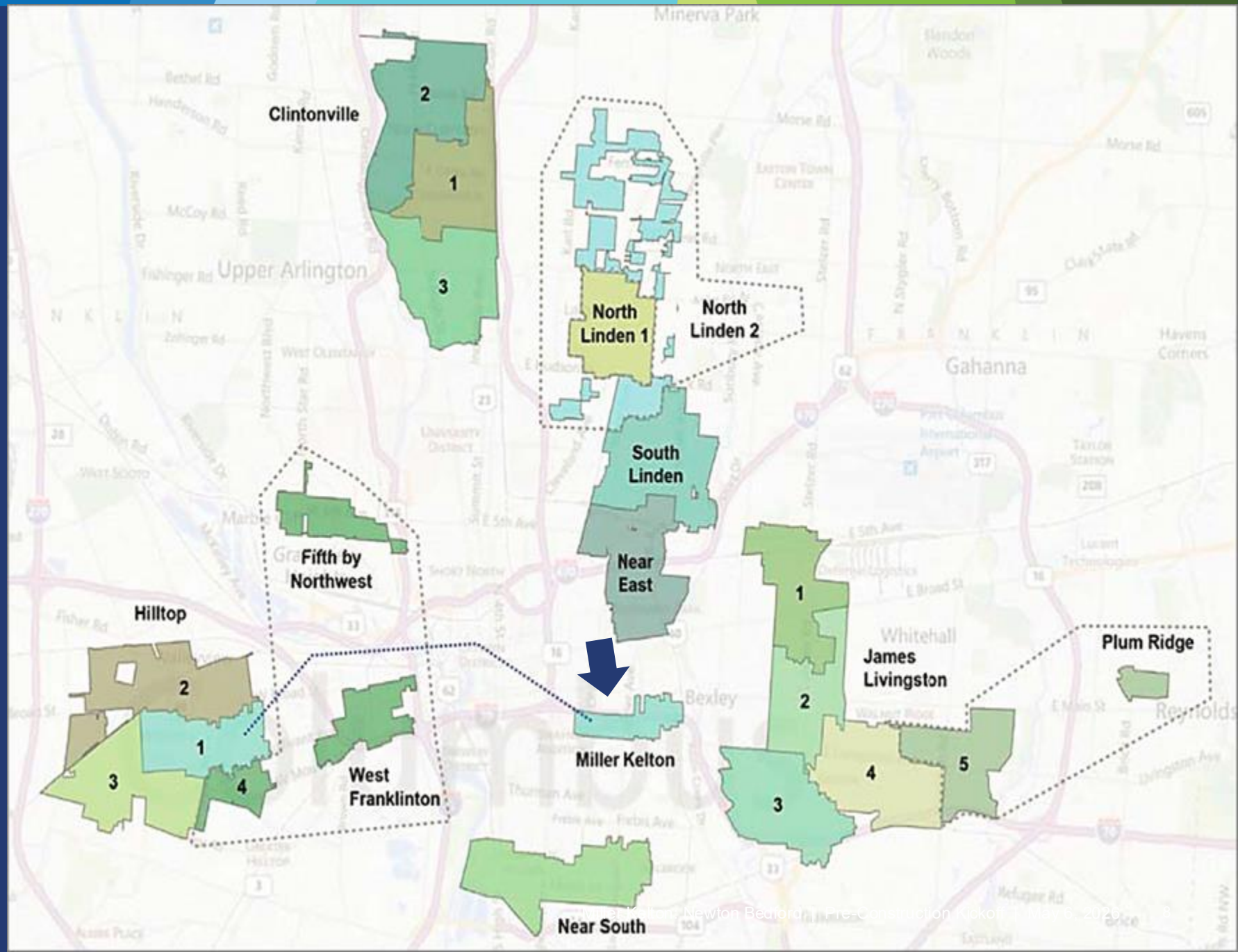
Blueprint Columbus

18,404 acres & 21 project areas throughout Columbus



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The Four Pillars: How We Accomplish Our Goals

GOAL 1: Treat stormwater before it enters our rivers and streams

Lateral Lining
Seals aging sewer pipes from the inside. This minimally invasive process prevents rainwater from entering the sanitary sewer system, reduces overflows and extends the life of existing infrastructure.

Sump Pumps
Manage groundwater at the foundation. An automated pit and float system pumps excess water away from the building—reducing pressure on the sanitary sewer system.

Roof Water Redirection
Manages stormwater above ground. In limited circumstances, eligible homes may connect downspouts to the street—directing rainwater to the storm sewer where it belongs.

GOAL 2: Reduce sanitary sewer overflows

Green Infrastructure
Captures, slows and treats stormwater at the surface. Rain gardens, permeable pavement and silva cells naturally filter runoff before it reaches the storm sewer – improving the health of our watershed.

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Goal of Green Infrastructure

Leaves and debris carried by rainwater rush down the street

Green Infrastructure filters rainwater of debris, leaves, etc.

GOAL: Improve stormwater discharges

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Miller Kelton: Newton Bedford Four Pillars Timeline

Ongoing

Sump Pumps

- Collects rainwater around your home's foundation
- Discharges rainwater into a pipe that discharges to the street

May 2026

Green Infrastructure

- Filters rainwater from the street
- Removes pollutants and trash
- Makes rainwater cleaner when it reaches rivers and streams

Winter 2026-2029

Lateral Lining

- Keeps rainwater out of sanitary sewer
- Seals cracks and small breaks in pipes that carry rain away from your home to sewers

2028

Roof Water Redirection

- Limited scope project
- Redirects rainwater away from your home and to the street, so that it can't enter the sewer through connection joints around your home

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Construction Plan

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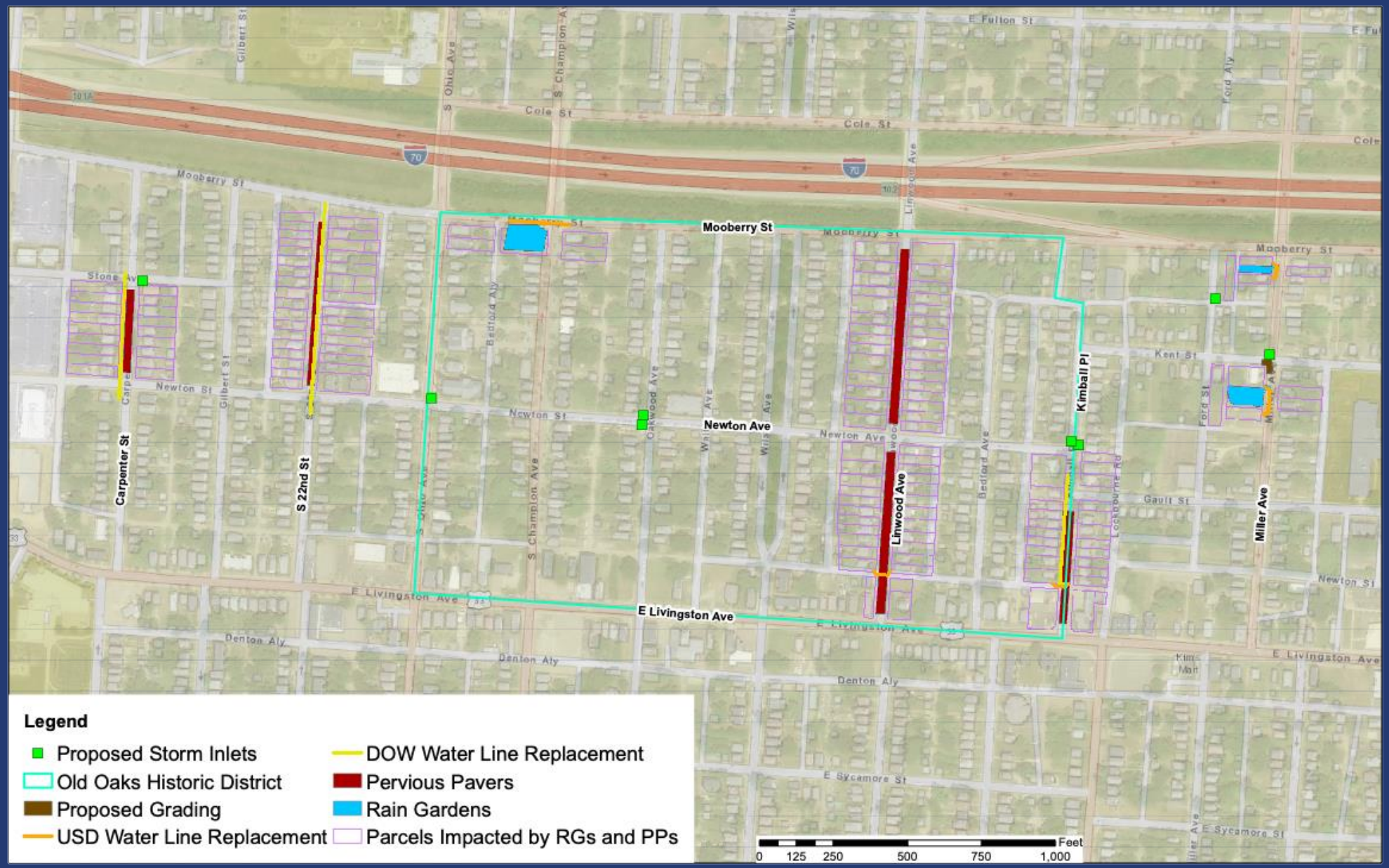
Miller Kelton: Newton Bedford Project Boundaries



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Ensuring Historical Preservation

- Coordination
  - Multiple Historic Resource Committee (HRC) hearings
  - Incorporated design modifications
  - Several full-team site surveys with HRC and Old Oaks Civic
- Certificate of Appropriateness approved in September 2022
- Commitment to neighborhood character

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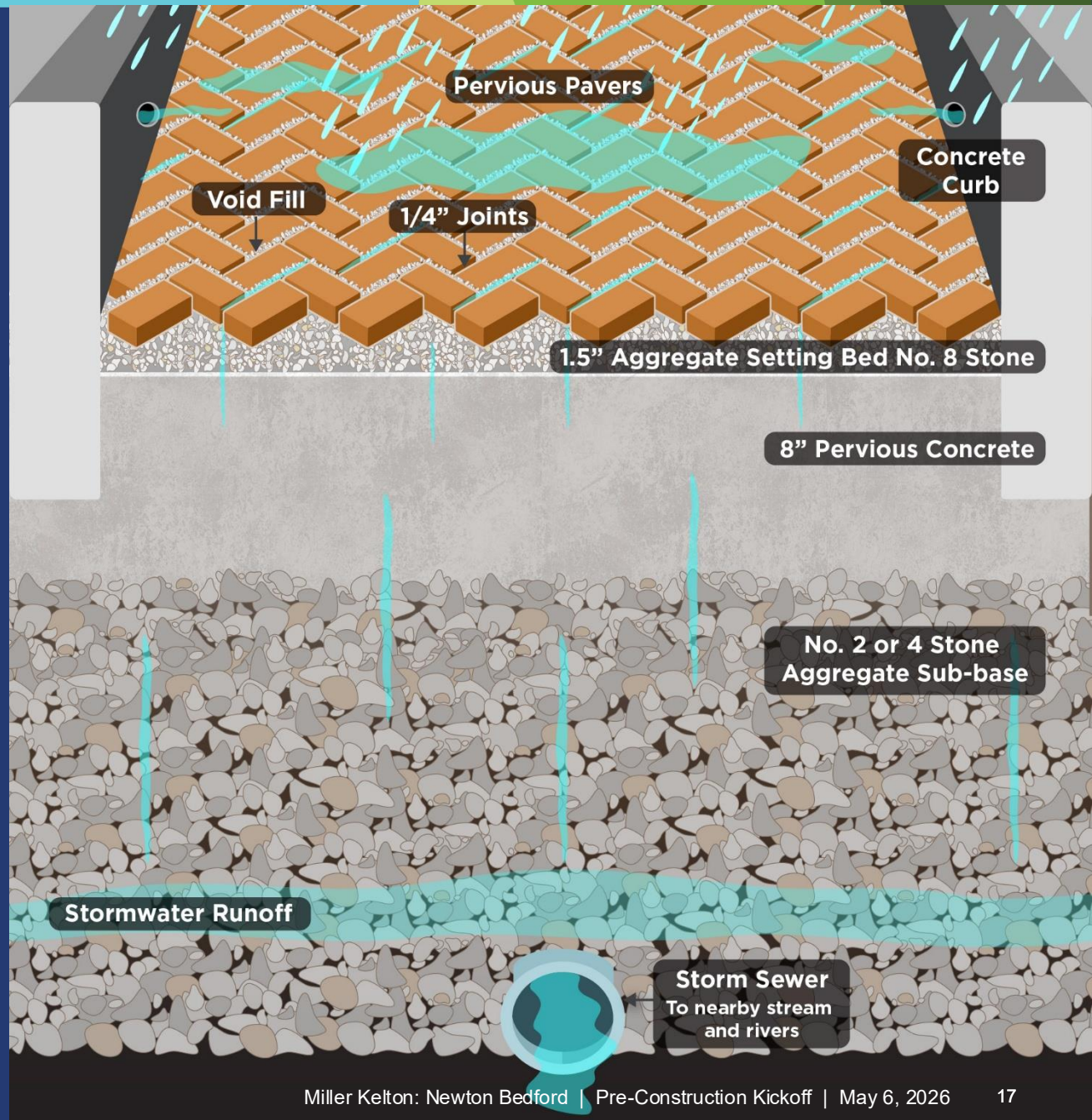
Pervious Pavers

How Pervious Pavement Works

- Filters and cleans rainwater
- Reduces street flooding
- Calms traffic
- Reduces maintenance



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Pervious Pavement

- Permeable concrete pavers laid in a herringbone pattern
- Curbs will be replaced along permeable pavement streets
- Water mains and services will be replaced, some relocated
- Existing sidewalk to be replaced if impacted by work — no new sidewalk to be constructed

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Paver Construction Process

- Street closures expected
- Linwood Ave and S. 22nd St. will be closed in sections
- Street sections close for approximately nine weeks to install pavers with NO vehicle access
- Pedestrian access to sidewalks maintained
- Pavers will be installed only on “Priority 3” streets with speed limits of 25 miles per hour or less
- Pavers installed where alley access is available to keep essential services

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Pervious Paver Rendering

Example of Completed Paver Street

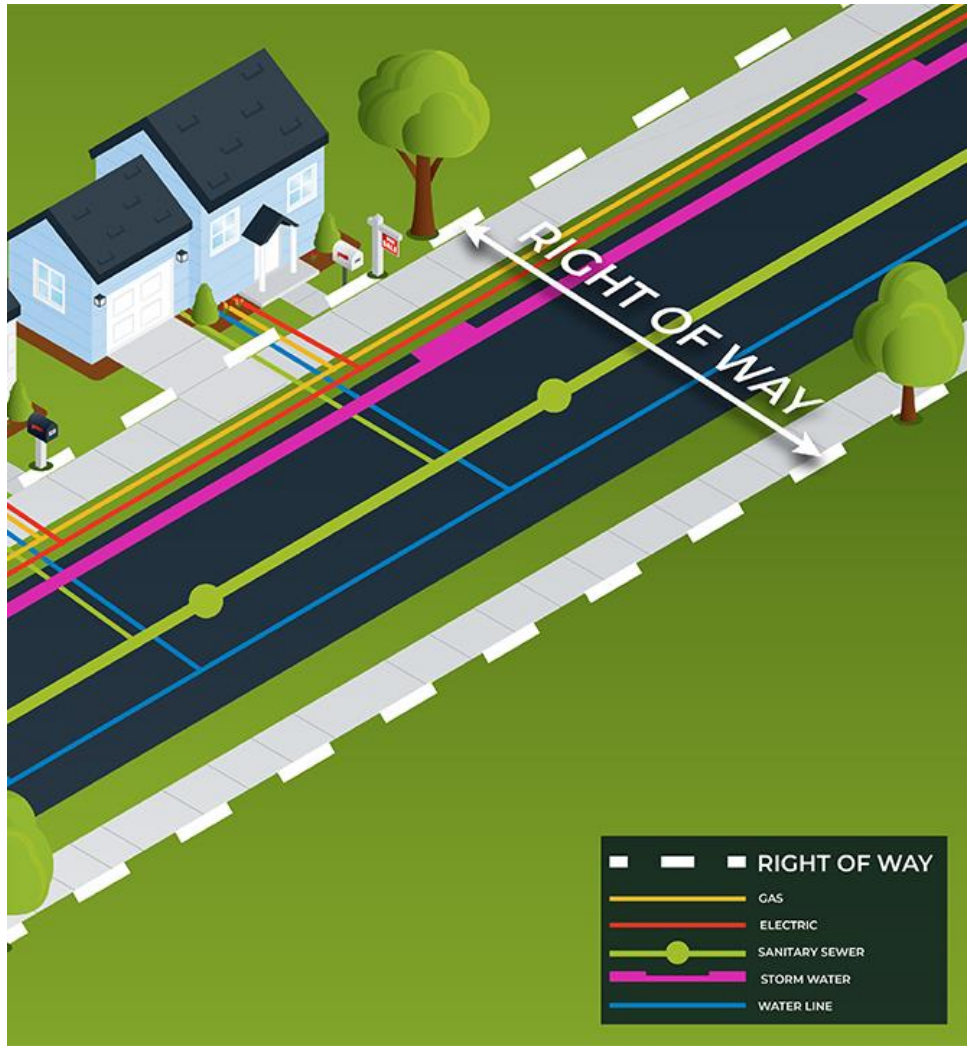
What is the right-of-way?

Is the city working in your yard?

- No, the public right-of-way is owned by the City of Columbus
- Designated space for sidewalks, utilities and now, green infrastructure

Where is the right-of-way?

- Typically, 30-60 feet from the centerline of your street
- In this area, ROW extends up sloped lawns
- By law, right-of-way must be noted on the property deed and disclosed during the sale of a home



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31 retaining walls (26 curb, 5 block) will be replaced or added

Example - Dyed Concrete

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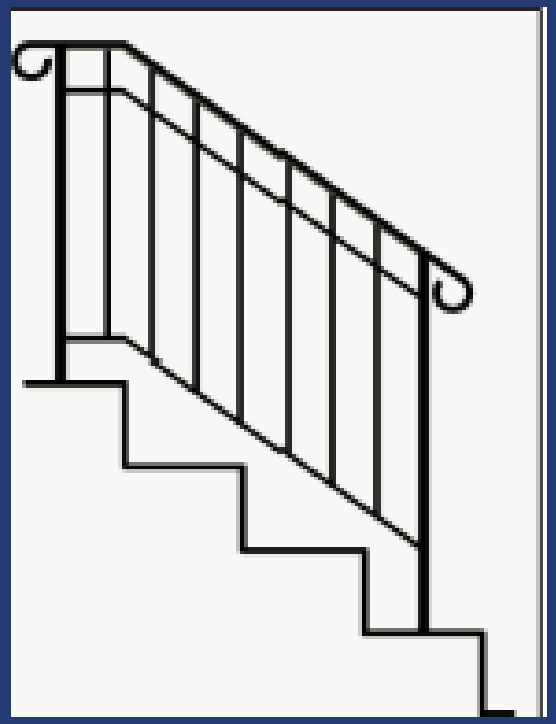
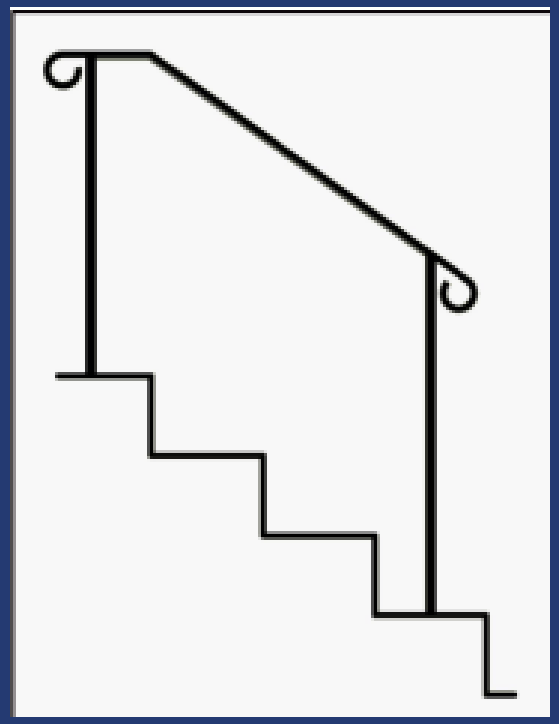
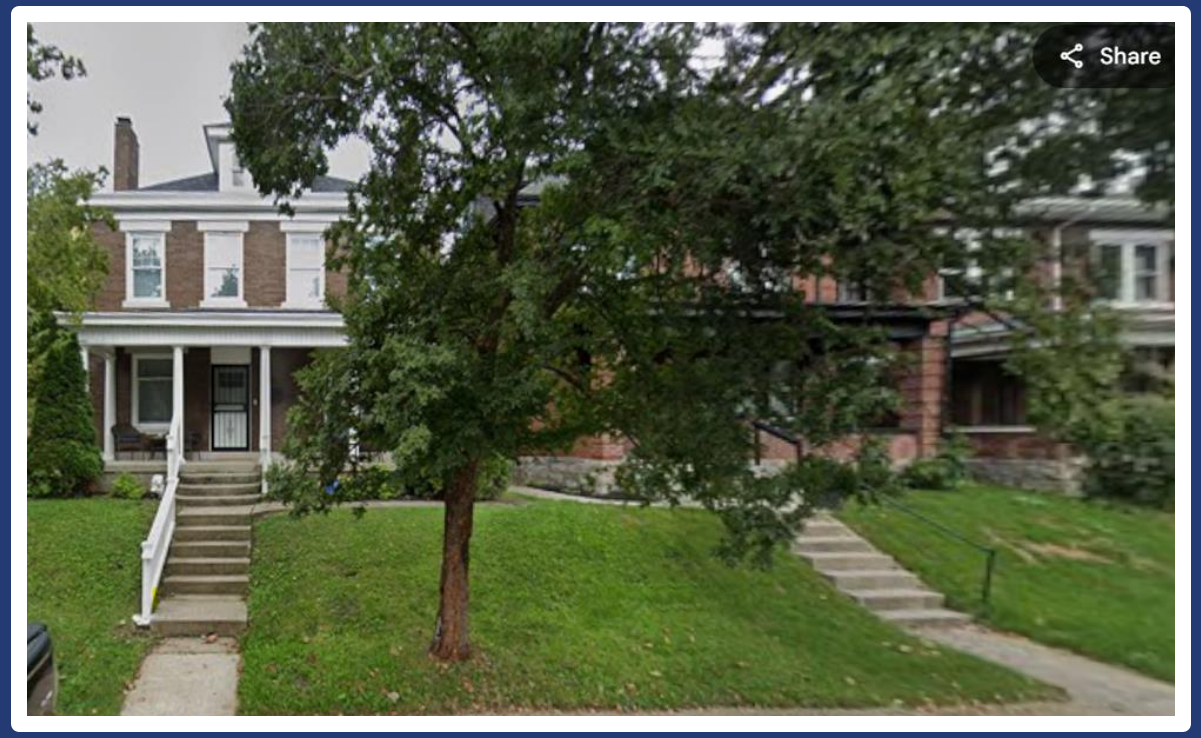
44 stairs to be replaced





Handrail Choices - Approved by HRC



Ex: 777 & 781 Kimball Pl

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Rain Gardens

Rain Gardens

S. Champion Ave., south of Mooberry St.

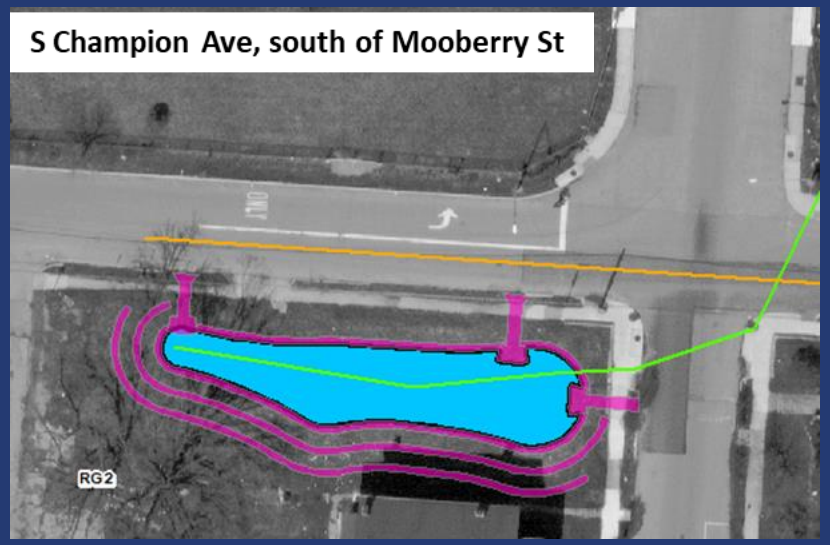
- Rain Garden that extends over two parcels
- Landscaped walls
- Trees, shrubs, and plants
- 3 storm inlets

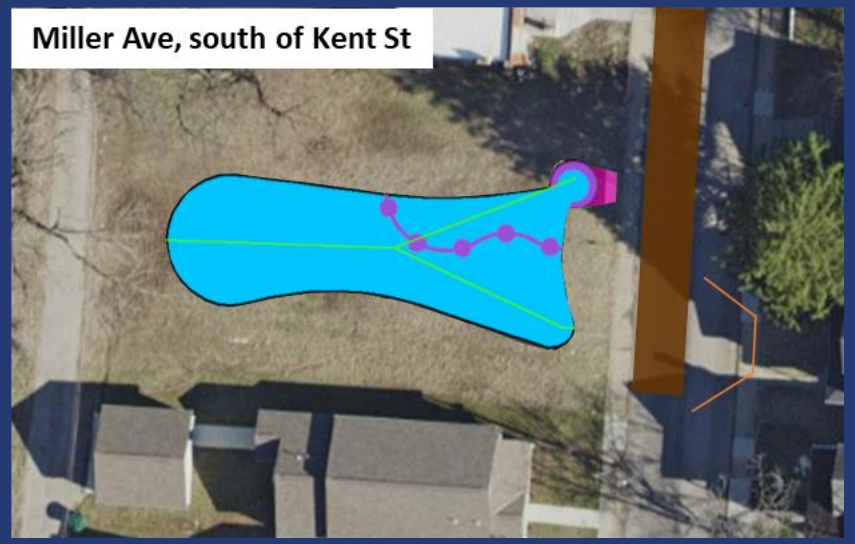
Miller Ave., south of Kent St.

- Rain Garden
- Landscaped head wall
- Trees, shrubs, and plants
- 1 storm inlet

Miller Ave., south of Mooberry St.

- Rain Garden
- Landscaped walls
- Trees, shrubs, and plants
- 1 storm inlet





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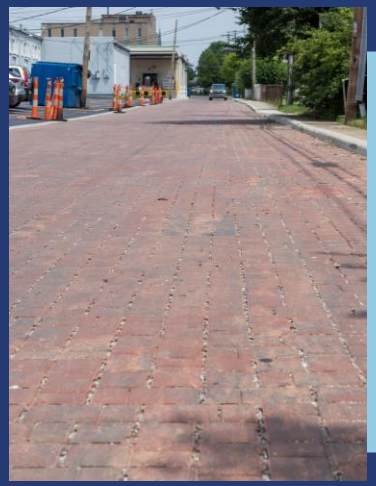
Order of Construction



1st
Pervious Pavers
(May 2026)

2nd
Rain Gardens
(Summer 2026 – Late Fall 2026)

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Rain Garden Rendering

Example of Completed Regional Rain Garden

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The City is Responsible for All Maintenance!

Green infrastructure installed by the City is part of the storm sewer system

Regular maintenance keeps it working!

- Weeding, mulching, plant care
- Removing trash
- Checking underdrains
- Removing sediments

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Rain Garden Helpful Tips

DO

- Do report spills or illegal dumping immediately:
  - Stormwater Prevention Hotline 614-645-7873
- Do remove debris blocking curb inlets or drainage openings
- Do call Blueprint if you notice concerns like:
  - Dying or damaged plants
  - Unusual ruts or sinkholes
  - Standing water lasting more than 48 hours
- Do maintain the right-of-way outside the garden edge (mowing and light raking)

DON’T

- Don’t walk, stand, dig or compact the soil inside the garden
- Don’t puncture the underdrain with stakes, posts or other objects
- Don’t add mulch, soil or new plantings – this reduces drainage capacity
- Don’t apply fertilizers, pesticides or chemicals
- Don’t rake leaves into the garden

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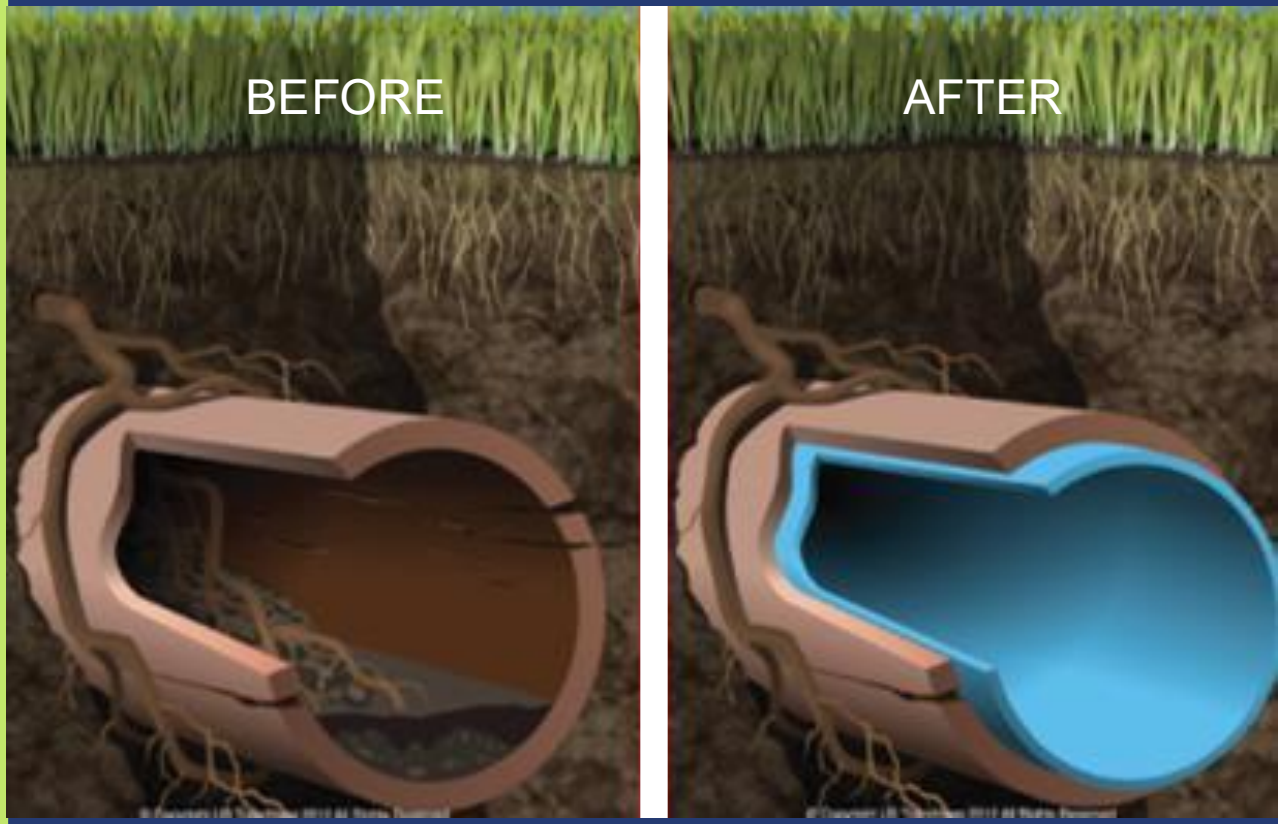
Lateral Lining

What is the CIPP Lining Process?

- A process to maintain the sewer system
- Similar process for mainline sewers and individual sanitary laterals
- Crews clean and line the pipes, seal cracks and defects, and remove grease, roots and other deposits



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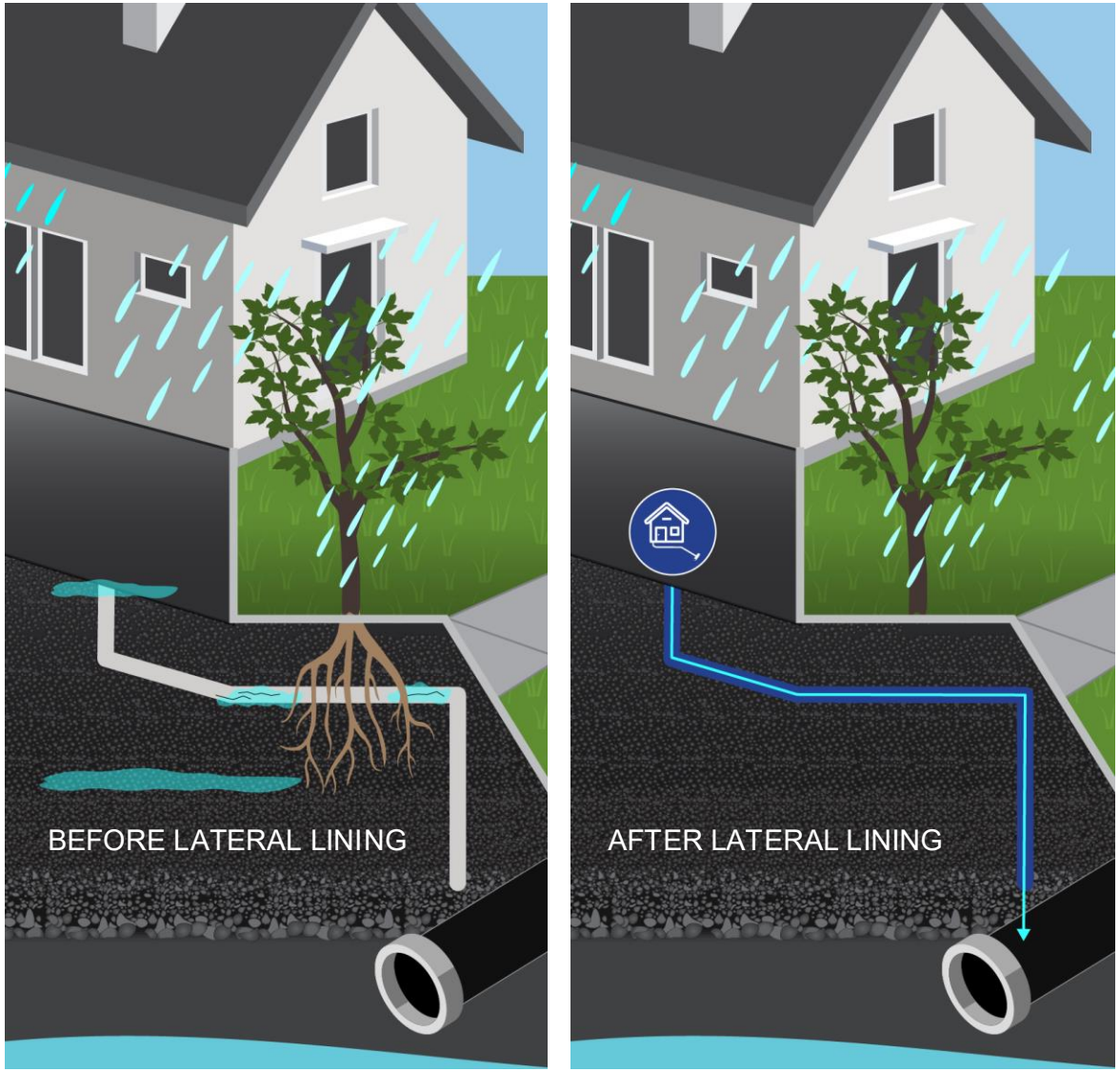
What are the Benefits?

- This prevents rainwater from entering the system
- Reduces sanitary sewer overflows
- Helps to eliminate basement backups



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Restoration Work

Pervious Pavement

- Yard restoration follows installation of curbs and sidewalks (1-2 weeks)
- Care will be taken to preserve trees, grass and grade to the extent possible
- Tree replacements planted in the fall
- Reseeding during growing season
  - *IF work is done in winter, seed placed in the spring

Stair & Wall Replacements

- Please note design guidelines from the Historic Resource Commission
- Follows installation of curbs and sidewalks, before yard restoration
- Residents must respond to survey by May 8, or design chosen for you
- Custom railing? See our engineers tonight

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LEAD-SAFE COLUMBUS
One pipe at a time

Lead Service Line Updates

ANDERSON KREZAL
Columbus Water & Power
City of Columbus

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Water service line replacement

Is the water safe?

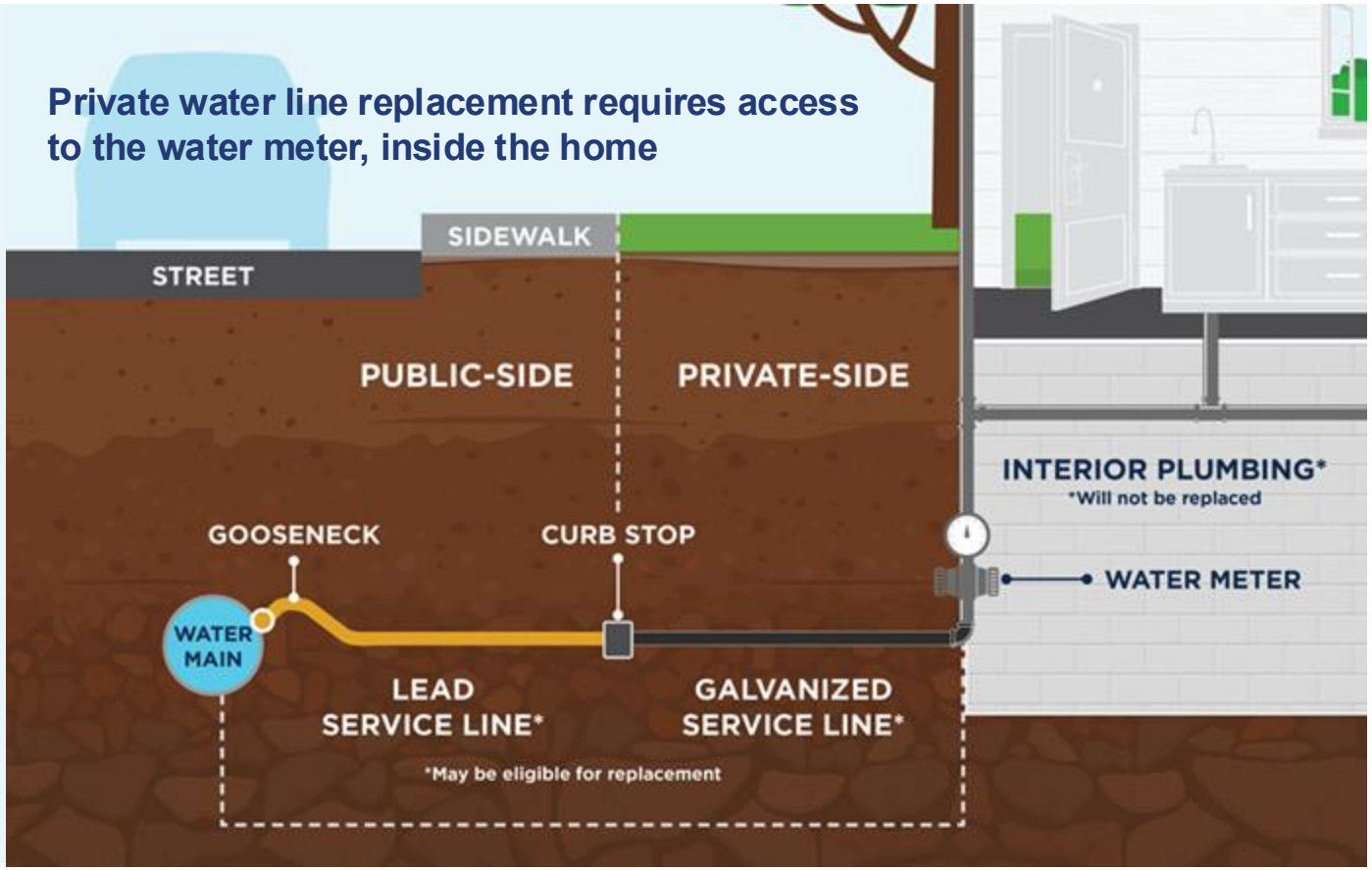
Yes!

What is being replaced?

Public and private water service lines made of lead and galvanized steel

Why are they being replaced?

To ensure we meet federal requirements and to remove old infrastructure



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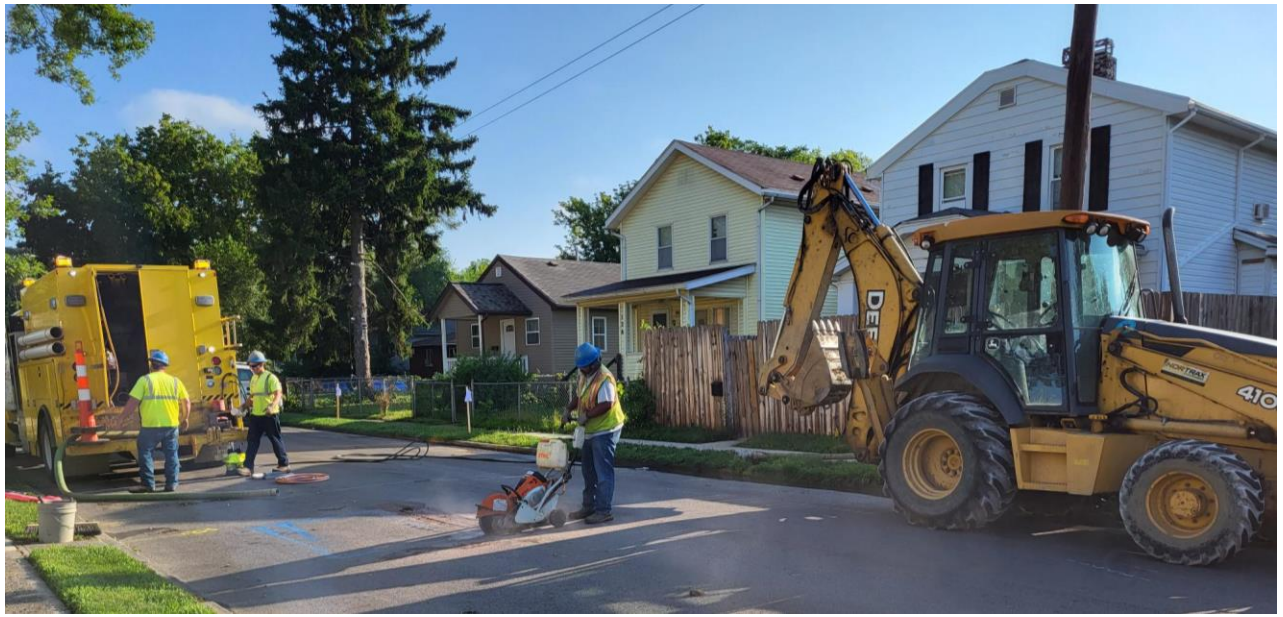
How is replacement happening?

The city will replace lead/galvanized water lines during construction projects that are already planned.

- **Water main improvements**
- **Resurfacing**
- **Blueprint Columbus**



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One pipe at a time

Phase 2: E Livingston

Ahead of Department of Public Service (DPS) Roadway Improvements

- **Tentative construction start date= May - July 2026**

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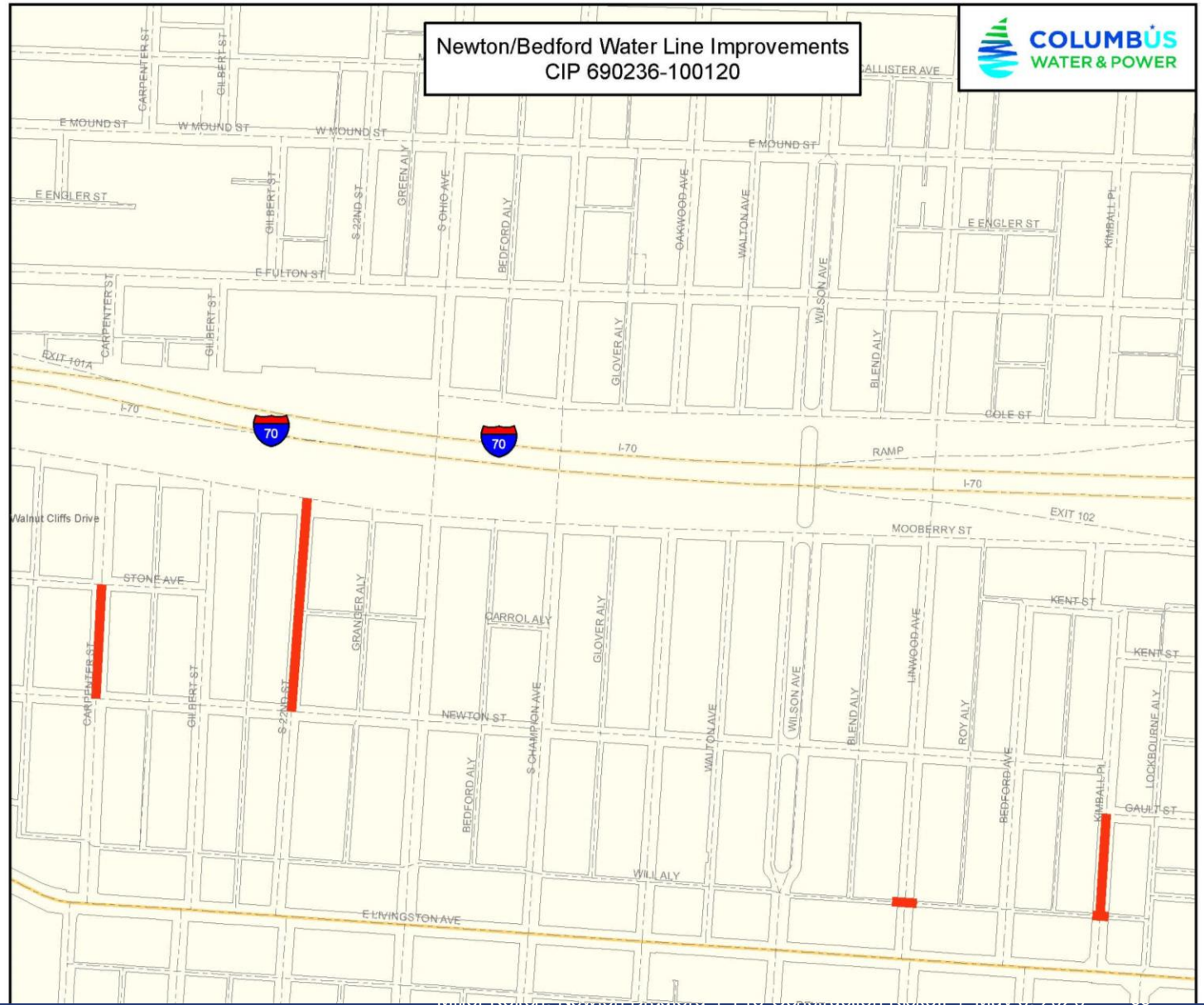
One pipe at a time

Blueprint Pervious Pavers

- **Kimball**
- **22nd**
- **Carpenter**

Note: There is no water main on Linwood Av, therefore water services will not be affected.



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South of Livingston: Active Surveying

- Highlighted Blue Area = Active Surveying

Scan Me

Project area map: Columbus.gov/leadwork

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One pipe at a time

Replacement is required—action needed!

Property owners must:

Sign a Work Agreement
columbus.gov/newline

Identify Water Line Material
columbus.gov/leadsurvey

Scan to Sign Work Agreement

Scan Me

A work agreement is **required** to receive a free replacement during scheduled construction if the line is lead or galvanized.

Optional meter relocation reduces the need to enter the home in the future.

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One pipe at a time

What's Next?

Outreach

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Columbus Water & Power

City of Columbus

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Keeping You Informed

- Meet your Outreach Team!
- You should have received an impact card if your property is directly affected
- We will be present and available throughout the construction
- Sign up for emailed construction updates

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How Can You Help?

- Engage with our outreach team in the neighborhood
- During work—allow easy yard access (secure pets, unlock gates, allow easement access)
- Respond to letters & door hangers
- Be mindful of no parking restrictions

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Pause for Questions

Please keep to general Blueprint project questions

Feel free to utilize open house for property specific questions and Lead Service Line impact questions

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Open House

For property-specific or other questions not addressed here, please email or call the

Outreach Team

614-645-1253

blueprint@columbus.gov

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Thank you!

blueprintneighborhoods.com

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Follow us! @blueprintcbus

Miller Kelton Handrail & Block Wall Survey

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