BIUE PRINT COLUMBÚS

Cleaner streams. Stronger neighborhoods.

Hilltop 1 Palmetto-Westgate Burgers, Brats and Blueprint: Pre-Construction Kickoff July 18, 2023

6 - 8 pm

BOUE PRINT columbůs

Cleaner streams. Stronger neighborhoods.

Welcome

Moderators

MARIE KEISTER Outreach Team MurphyEpson

ELYAS INGRAM Outreach Team D&D Policy Works

RILEY WATKINS Outreach Team

MurphyEpson

Presenters

TIFFANY CONN Community Relations Coordinator City of Columbus

JEREMY CAWLEY, P.E.

Project Manager City of Columbus

RANDALL BERKLEY, P.E. Water Engineer Jacobs

RICH MILLER, P.E., PMP Senior Project Manager Resource International

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Agenda

- Blueprint 101: A refresher
- Construction plans & neighborhood impacts
- Open house

Blueprint 101: A Refresher

TIFFANY CONN Community Relations Coordinator *City of Columbus*

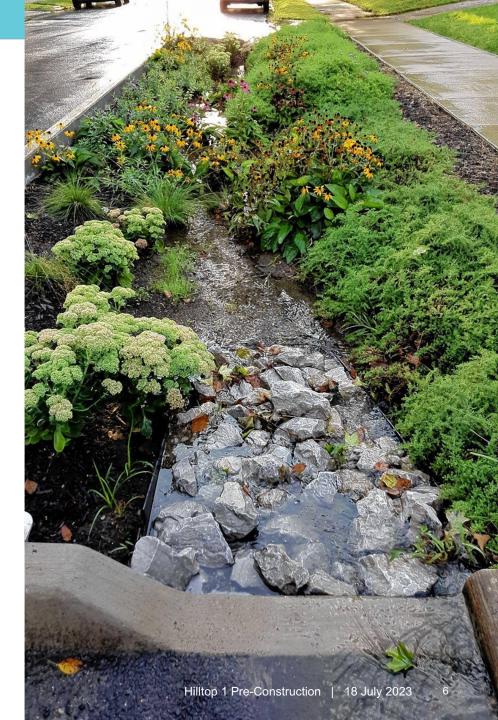




Blueprint: An Innovative, Green Solution

- Invests in fixing our existing infrastructure
- Uses local materials, native plants
- Creates opportunities to improve stormwater discharges
- Adds permanent local jobs
- Engages neighborhoods, residents
- Addresses consent order requirements

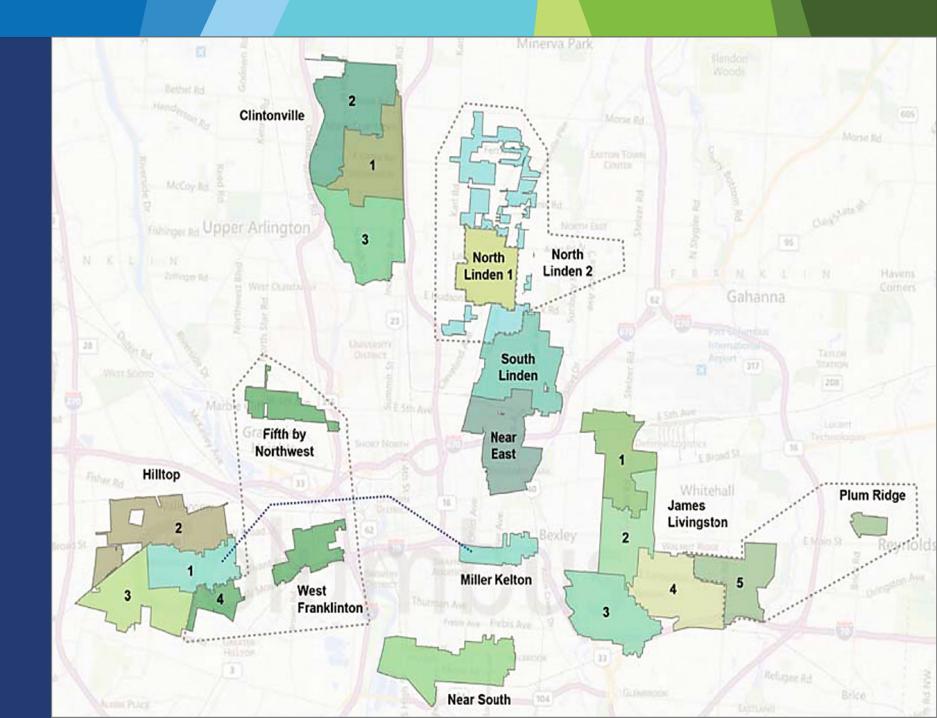




Blueprint Columbus

18,404 acres & 21 project areas throughout Columbus





Four Pillars



Lateral Lining

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



Roof Water Redirection

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



Sump Pumps

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



Green Infrastructure

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





Green Infrastructure Goal









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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How Green Infrastructure Works



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ANDREW J. GINTHER, MAYOR

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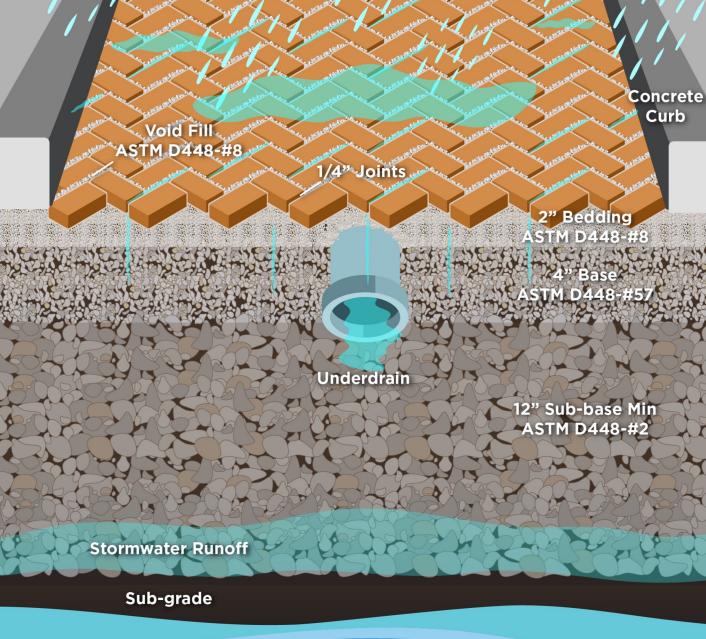
Cleaner streams.

How Pervious Pavement Works

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







The City is Responsible for All Maintenance!

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

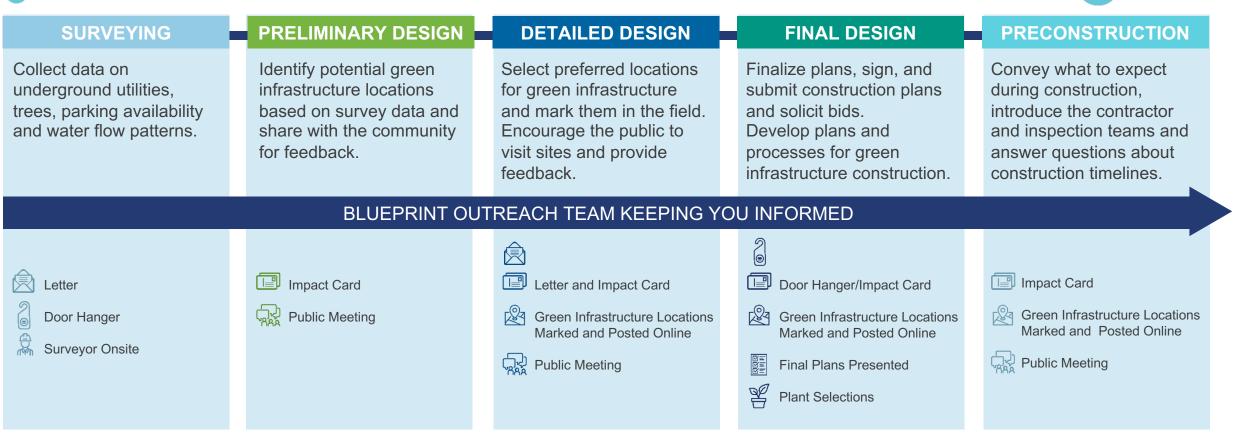
Regular maintenance keeps it functioning!

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





Schedule Current Phase







Hilltop 1 Design Project Team

- Project Manager, City of Columbus, Jeremy Cawley, P.E.
- Water Engineer, Randall Berkley, P.E.

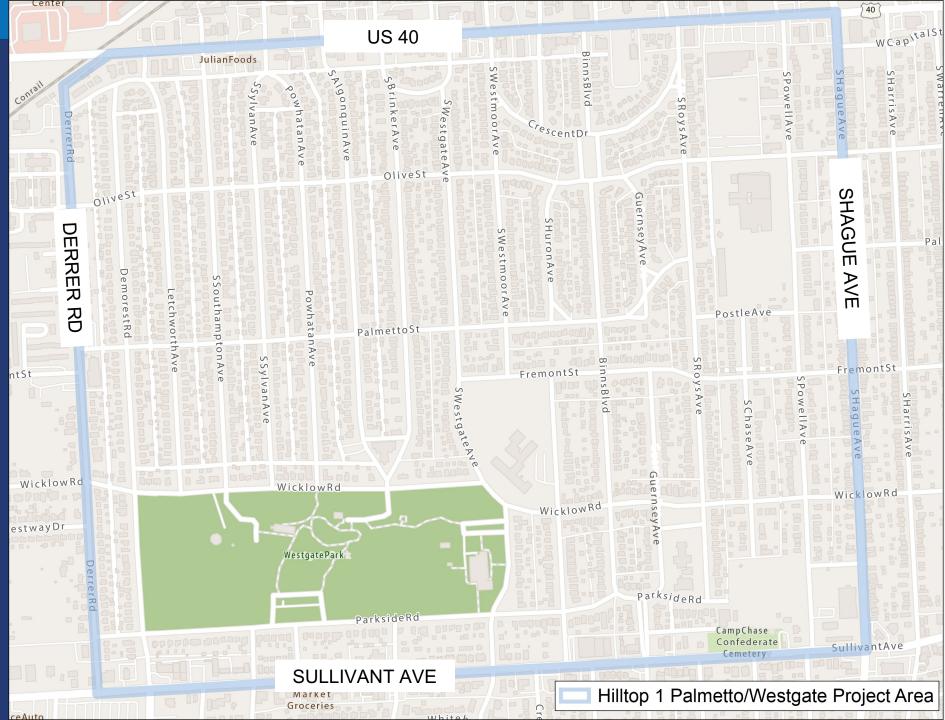
Jacobs

 Water Engineer, Claire Metka





Palmetto Westgate Neighborhood Map



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34 Green Infrastructure Improvements

- 20 right-of-way walled basins
- 1 shallow basin
- 8 regional basins
- 5 traffic median regional basins





Palmetto Westgate Green Infrastructure Locations

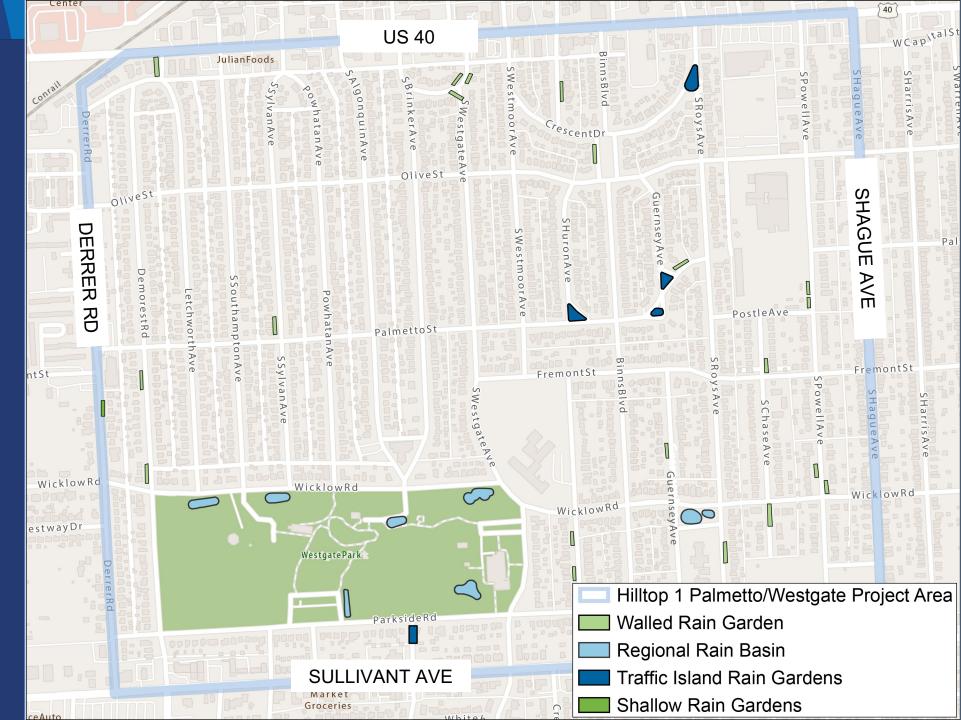
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Walled Rain Gardens

- W Broad Street
- Crescent Drive
- S Chase Avenue
- Demorest Road
- Ellis Place
- Guernsey Avenue
- S Huron Avenue
- Palmetto Avenue
- S Powell Avenue



- S Roys Avenue
- Sylvan Road
- S Westgate Avenue
- Wicklow Road



Westgate Park Regional Rain Gardens







Regional Rain Gardens-Westgate Park and Traffic Islands

Regional

- (6) Westgate Park
- (2) Park north of St. Mary Magdalene's Catholic Church

Traffic Islands

- (1) Sylvan Ave and Parkside Rd
- (3) Palmetto St
- (1) Roys Ave and Crescent Dr





Shallow Rain Gardens









Pervious Pavement – Design in Progress

- 11 streets
- Permeable concrete pavers laid in a herringbone pattern
- Curbs will be replaced along permeable pavement streets.
- Water mains and services will be replaced
- Existing sidewalk will be replaced—no new sidewalk to be constructed.
- Summer/fall 2024 construction





Other Impacts

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- Some curb, sidewalks, and driveway approaches will be replaced
- Some waterlines will be moved/replaced
- Some fire hydrants will be moved
- Some new storm pipes will be installed
- Some downspouts redirected into walled basins
- Some trees will be removed and replaced
 - 13 tree removed, 36 planted, 2 transplanted
- Some light poles and street signs will be moved or replaced

Removed Tree's Trunk Diameter	Tree Replacement Ratio
≤ 12"	1:1
12"- 18"	2:1
18"- 24"	3:1
24"- 30"	4:1
≥ 30"	5:1



23

Hilltop 1 Construction Project Team

- Project Manager, City of Columbus Jeremy Cawley, P.E.
- Construction Management, Timothy Root P.E

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- Construction Admin/Inspection, Rich Miller P.E & Jim Norden
- Construction, Mack Rose

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Construction Process Outline

- Waterline work
- Storm sewer work
- Rain garden construction
 - Westgate Park
 - Neighborhood gardens
- Repaving & restoration
- Construction timeline is tentative and subject to change due to weather, etc.
- Construction updates for resident's weekly sign-up





Key Project Events





Waterline Work

- Install water main (in street) and new service connections (at curb)
- Chlorination process (2-3 weeks)
- Connection transfers
 - Binns Blvd (2)
 - W Broad (1)
 - S Chase Ave (1)
 - Demorest Rd (6)
 - Ellis Pl (1)
 - Guernsey Ave (2)
 - S Huron Ave (5)

- Palmetto St (1)
- S Powell Ave (12)
- S Roys Ave (8)
- S Sylvan (1)
- S Westgate Ave (14)
- Wicklow Rd (1)

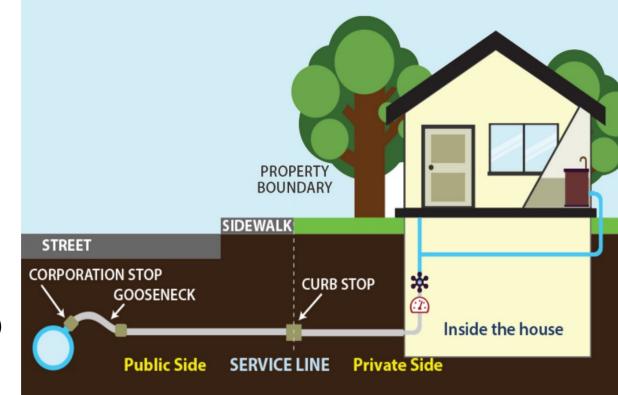


Photo Credit: AWWA 2022



Please talk with one of our outreach members for specific addresses.

Rain Garden Construction & Storm Sewer Work

- Excavate and install storm sewers
- Install biosoil and hardscape features
- Restore planting and grasses
- Plant in spring and fall
- Allow ~3 weeks per garden (up to 6)



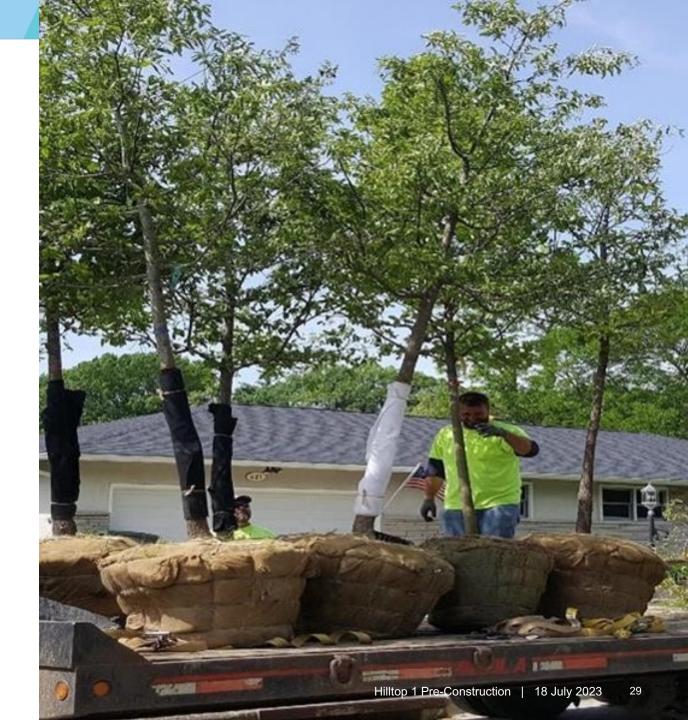


Repaving & Restoration

- Repave
- Seed & straw to restore grass
- Plant trees
- Conduct final inspection







Keeping You Informed

- 2018-2023 engagement during the design process:
 - 4 public meetings
 - Direct mailings
 - Door-to-door canvassing
 - Hilltop Bean Dinner, Hilltop 5K, Summer Jam West, 21st Annual Spring Clean Up
- All rain garden locations were marked with spray paint and rain garden signs
- If your property is going to be impacted by construction, you should have received an impact card
- We will be present and available throughout construction
- Sign up for emailed construction updates





Your Outreach Team



614-645-1253 blueprintneighborhoods.com

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Brief Q&A

- 1. Raise your hand if you have a question or comment
- 2. Be succinct
- 3. Be respectful and kind
- 4. Adjourn to burgers, brats and Blueprint open house!



Tonight's Open House

Talk with our team

- Visit Rich, Tim, and Mack to get property-specific questions answered
- Talk to Tiffany, Elyas and Jeremy about general project questions

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Check out the plants

 Visit Chad and Kari at the plant table to ask questions and check out some of the native plants we use.

Sign up for a sump pump

- Blueprint Columbus offers free sump pump installation for qualifying homeowners
- To learn more and sign-up visit: <u>blueprintneighborhoods.com</u> or call (614) 645-1253
- Visit the sump pump table to sign up tonight!

