



Thomas and McPherson Stormwater Project

2022 Project Update And Construction Schedule

North Point Breeze Community

February 17, 2021

Agenda

- Welcome and Introductions
- Project Overview
 - Green Stormwater Infrastructure
 - Water Main Improvements and Lead Line Service Replacement
- Construction Updates:
 - Construction Completed to Date
 - Construction Remaining
 - Schedule
 - What to Expect
- Question and Answer



Submitting Questions Using Zoom

- **During Presentation**

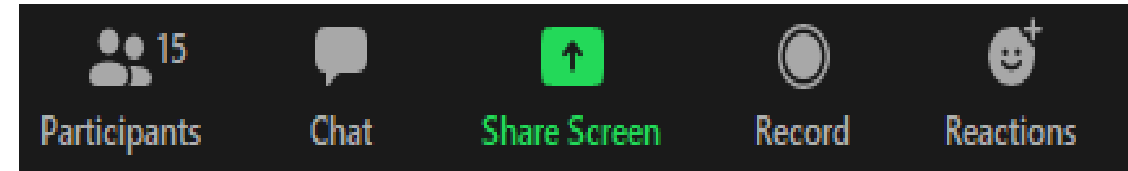
- Participants will be muted
- To ask a question use the chat box below

- **Click the Chat Icon**

- Located at bottom of screen
- Looks like a cartoon bubble
- Type question in dialogue box; press enter to send
- All attendees will receive your question

- **When Presentation Ends**

- We will respond to questions individually
- We will unmute microphones to enable verbal Q&A

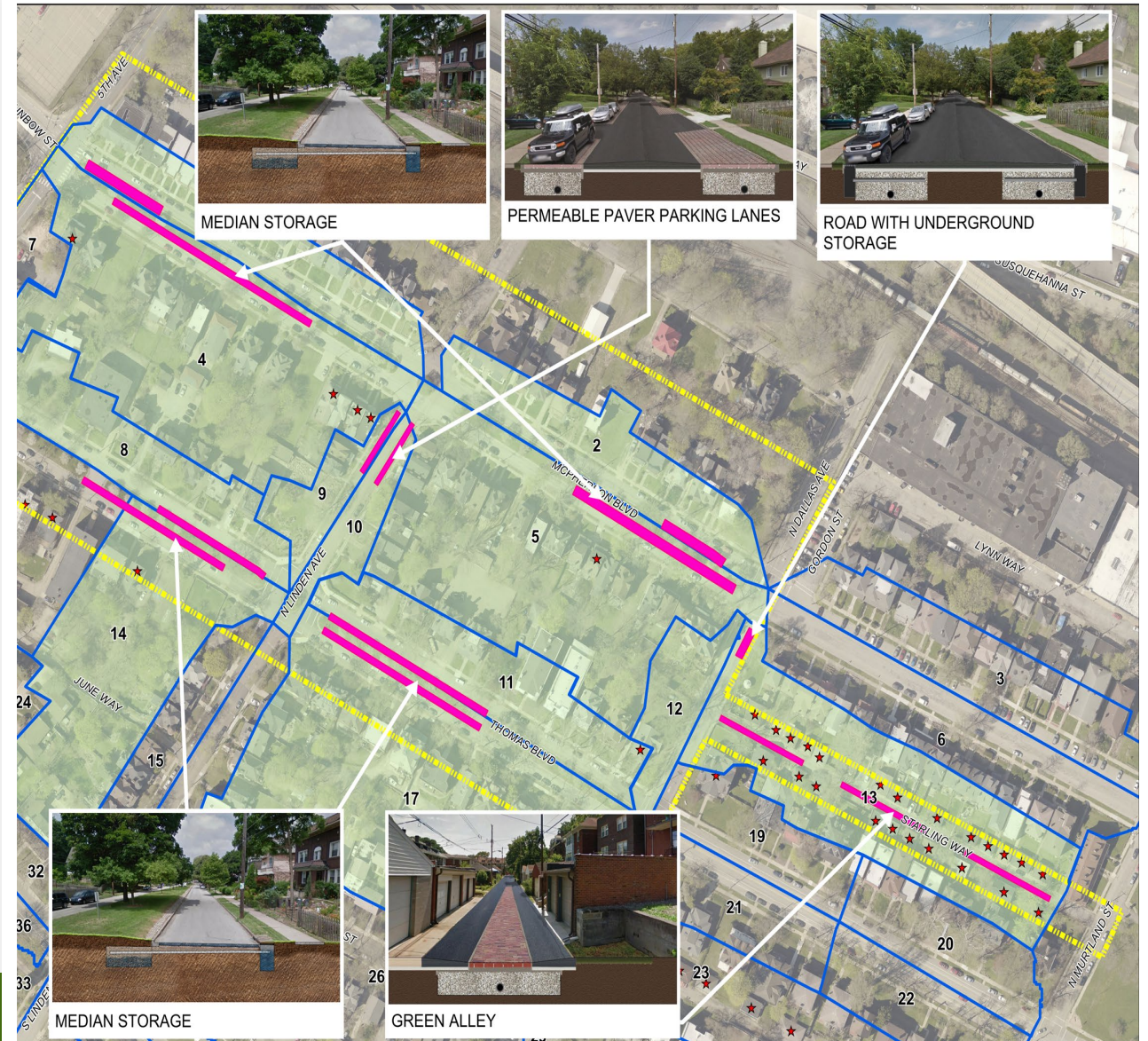


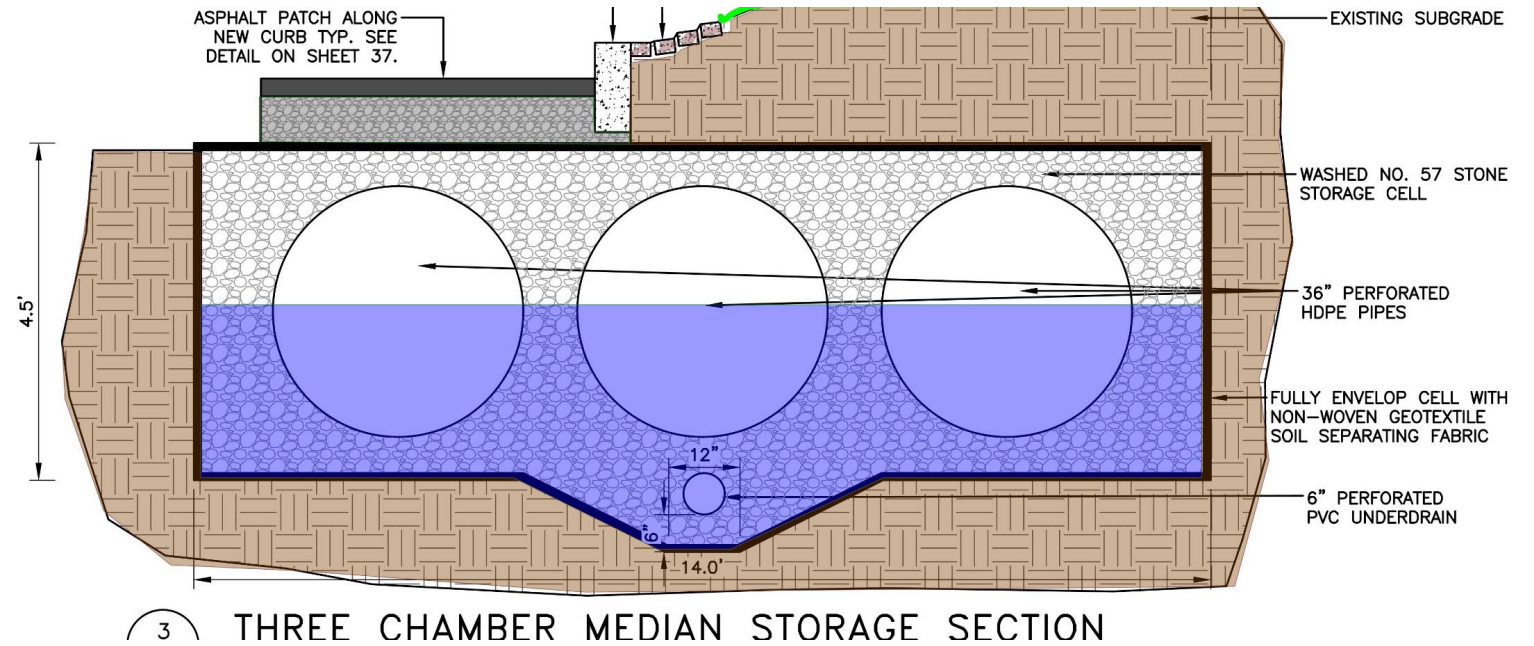
For more information or to ask a question after the meeting, please visit

<https://www.pgh2o.com/thomas-and-mcpherson>

Thomas & McPherson Stormwater Project

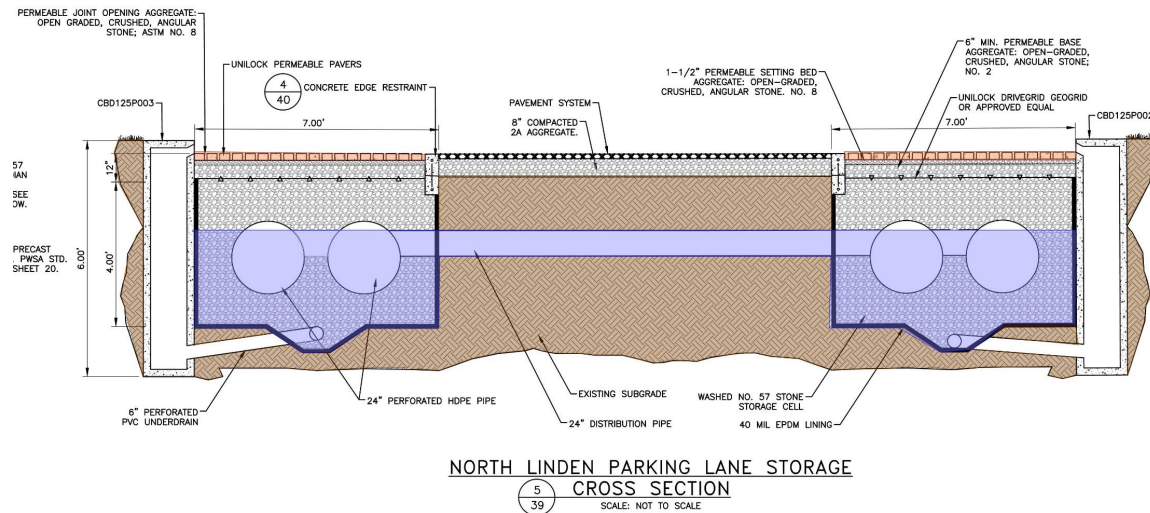
- A-42 sewershed – one of the highest sewer overflow contributors
- Gravel storage under medians of Thomas and McPherson Blvds and under N. Dallas Ave
- Permeable paver parking lanes along N. Linden Ave with underground gravel storage.
- Permeable paver “green alley” with underground gravel storage in Starling Way
- Project coordination to include water main and lead service line replacements to limit disruptions and costs



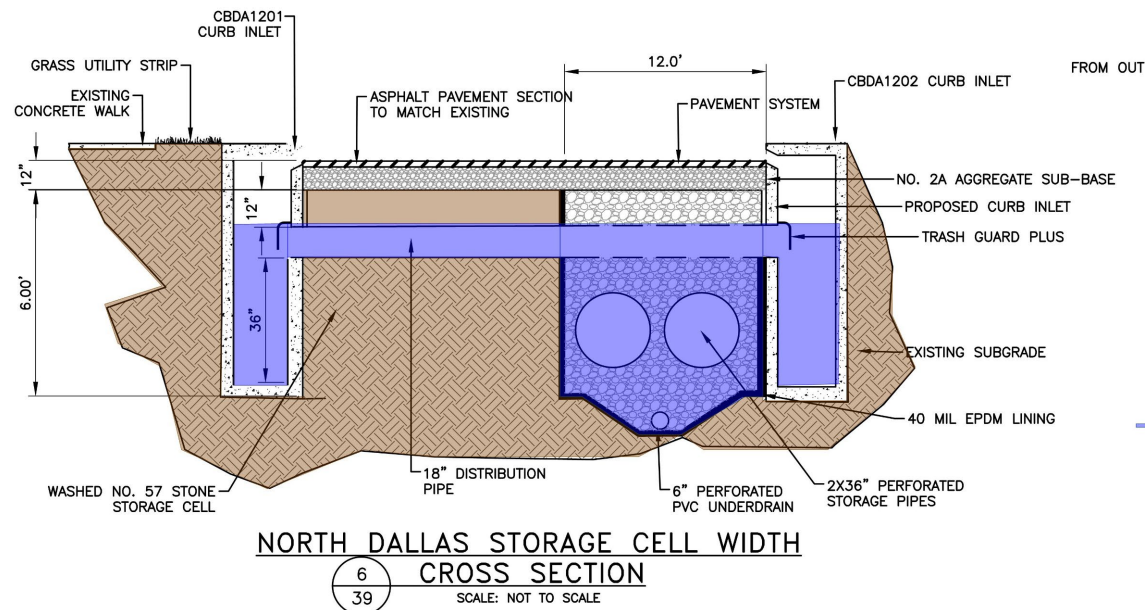


Median Storage

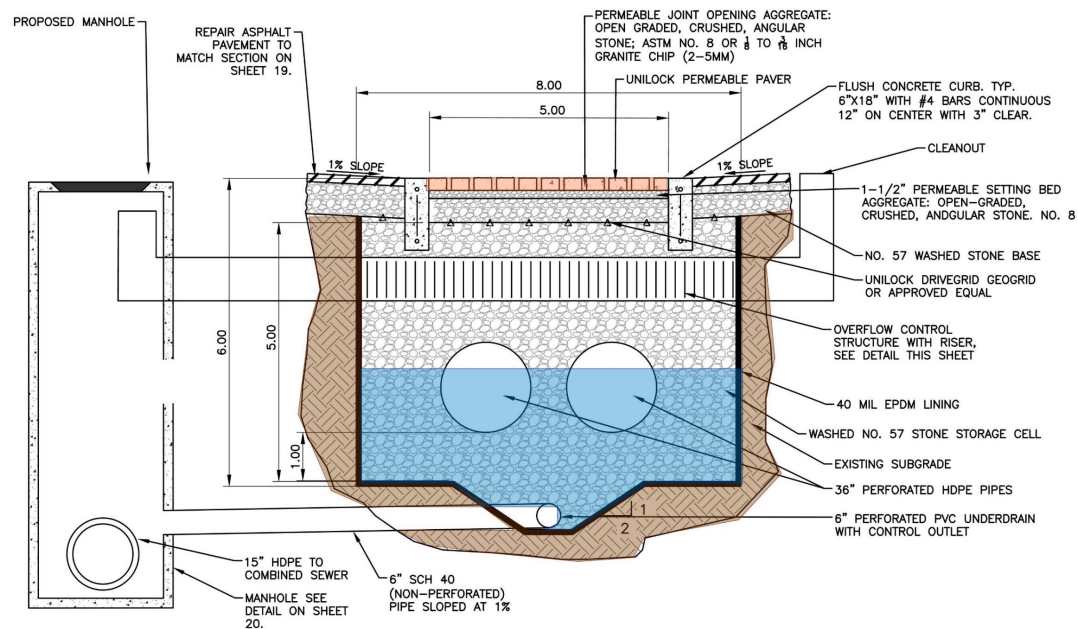
PERMEABLE PAVER PARKING LANES



UNDERGROUND STORAGE



GREEN ALLEYWAY: PERMEABLE PAVERS



4
40 STARLING WAY GREEN ALLEY CROSS SECTION
SCALE: NOT TO SCALE





Water Main Improvements



WATER MAIN IMPROVEMENTS

- 1,900 feet of waterline replacement
 - McPherson Blvd. and N. Linden Ave.
- Replacing 71 water service connections
 - All public service lines and any private lead service lines
- Replacing 3 fire hydrants

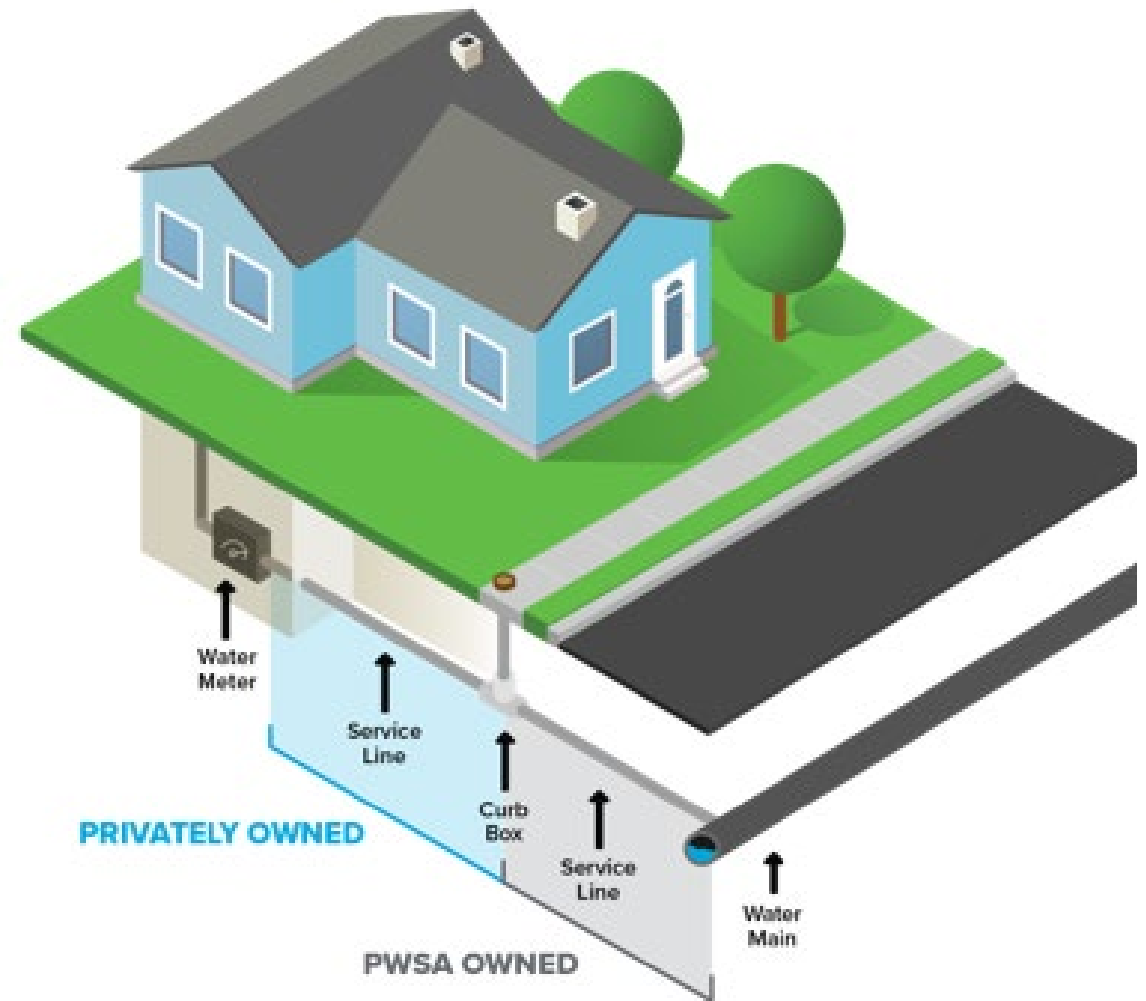


Lead Service Line Replacement



Water System Schematic – Residential Customers

- Service line has joint ownership, both PWSA and the customer;
- Each side of the service line can be different materials, typically lead, galvanized iron, copper or PEX (plastic);





PROCESS STEPS

- **Inspect service line material:** Verify the material of each service line connected to the old main. This will help identify lead service lines. *Verification started February 2022
- **Install new water main:** Crews will work their way down the street laying the new water main. The old water main will remain in service during this time.
- **Install new service lines:** Crews will attach new service lines to the new water main. We will coordinate with properties with lead service lines to replace them at no cost.
- **Restoration:** Crews will finalize work by restoring sidewalks and asphalt that were impacted by the construction to the state they were before construction.
 - There may be some delay between the end of pipe installation and final concrete and asphalt work.



PWSA Policy

- When PWSA replaces the portion of the service line between the water main and the curb stop, we will offer to replace a private lead service line at no cost.
- Property owners needs to sign agreement allowing work to proceed.
- If a property owner does not return the agreement or declines a replacement, **PWSA is required to terminate water service.**
- Customer will then be required to replace private lead service line and provide proof to PWSA before water service is restored.

This protocol is a requirement of our regulators, the Pennsylvania Public Utility Commission (PUC).

***Agreements were sent out in early February, if you have any questions please reach out to us**

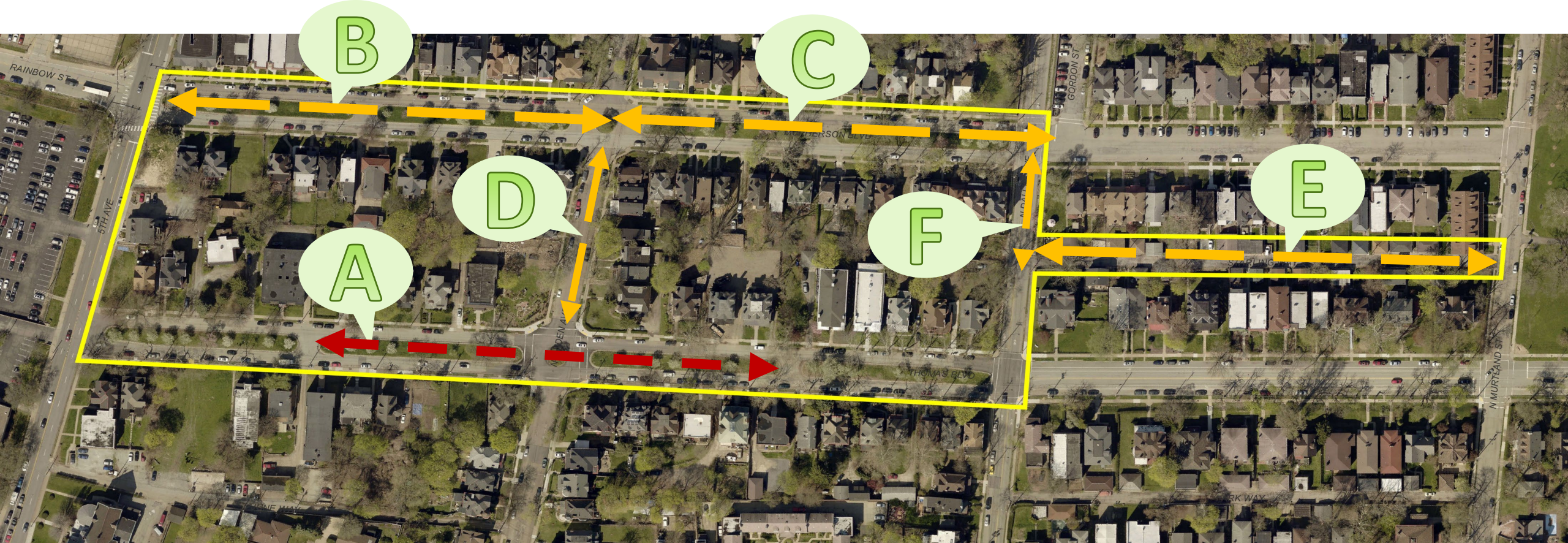
Private property restoration policy

- Contractors incentivized to use least disruptive methods;
- Homeowner or their representative must be present during replacement;
- PWSA will backfill, but not restore any private property they disturbed;
 - Stairs, retaining walls, decorative landscaping could be disrupted;
- **Over 98% of replacements can be done using less disruptive trenchless methods**



Construction: Updates and What to Expect





Project Construction Phasing

Construction Phase Sequence

2021 – Phase A – Thomas Blvd has been Completed

**2022 – Phase B-F work will resume March 1, 2022

Phase B – March 1st – May 6th

Phase C – April 6th – June 16th

Phase D – June 9th – July 26th

Phase E – July 14th – August 15th

Phase F – July 28th – August 31st

** Schedule is tentative to change depending on weather, materials, and field changes

Daily Impacts

Typical Work Schedule

- Monday through Thursday; Friday being a makeup day
- **Hours:** 7:00 AM to 5:00 PM

Traffic

- Traffic signs and detours will be posted
- Flaggers on site during active construction work
- Starling Way will be temporarily closed during construction of the alley

Parking

- Signs posted 48-hours in advance
- Posted in areas where active construction work is taking place
- No parking loss when project complete



Tree Protection Plan

Coordinated with City Forestry to manage the existing trees within the construction area.

- Pruning for machine clearance was completed in 2021.
- The contractor received permission from City Forestry to stockpile material in the center median near the trees, provided the weight distribution of the storage will not cause soil compaction.
 - No material will be stored within the dripline of the trees.
 - Heavier materials are stockpiled in an area that will be excavated later in the project.
- Tree protection for the entire site will be installed prior to the start of excavation.

Street Tree Protection Plan

Project Areas

- Thomas Boulevard West
- Thomas Boulevard East
- **McPherson Boulevard West (6700 Block)**
- McPherson Boulevard East

Legend



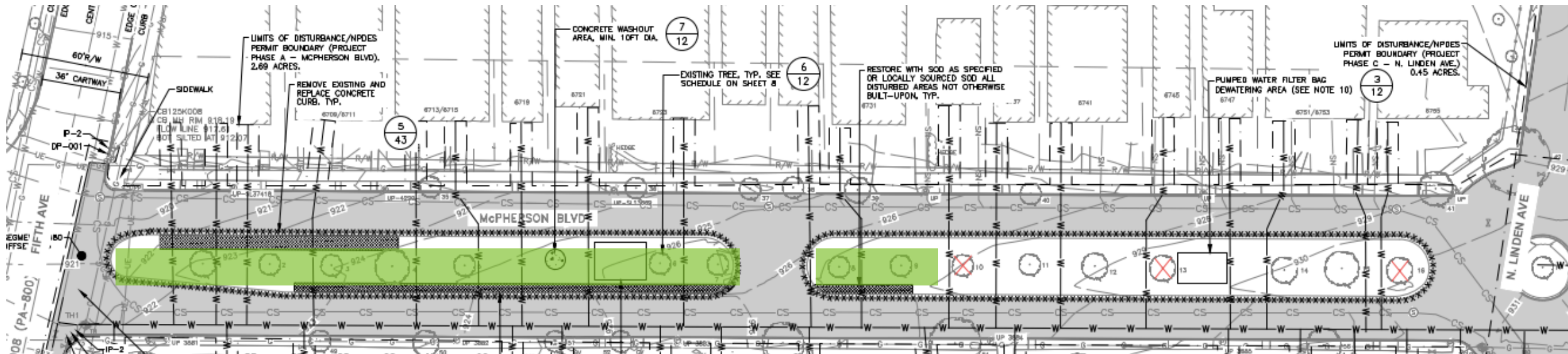
Protect existing tree and prune



Tree removal



Underground detention



Street Tree Protection Plan

Project Areas

- Thomas Boulevard West
- Thomas Boulevard East
- McPherson Boulevard West
- **McPherson Boulevard East (6800 Block)**

Legend



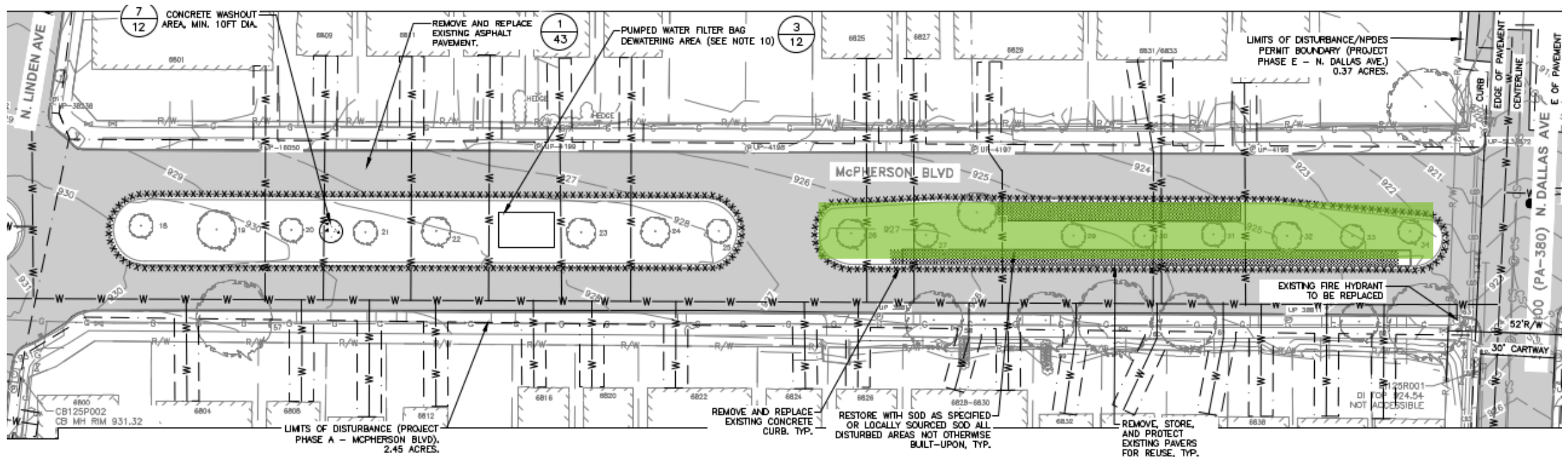
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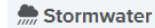


Communication

- **Bi-weekly Construction Updates**
 - Post to webpage
- **Construction Project Signs**
 - Posted in project area
 - Includes project & contact information
- **Project Webpage**
 - www.pgh2o.com/thomas-and-mcpherson

Thomas & McPherson Stormwater Project

In Construction



We are building cost-effective and efficient stormwater solutions in this area of North Point Breeze to capture, hold, and slowly release stormwater runoff.



Progress & Status

February 17, 2022 Community Meeting

- We are hosting an online community meeting on Thursday, February 17, 2022 from 6:30 PM to 8:00 PM to review construction plans for McPherson Boulevard, North Linden Avenue, North Dallas Avenue, and Starling Way.
- To learn more and register for the meeting, please visit the [event webpage](#).

This area flows to the A-42 Sewershed; one of the largest sewersheds and highest combined sewer overflow contributors in Pittsburgh to the rivers. This project aims to manage runoff from 12 impervious acres in the surrounding area.

Stormwater Solutions

- Gravel stormwater storage under the center medians of Thomas and McPherson Boulevards
- Permeable paver parking lanes along North Linden Avenue with underground gravel stormwater storage



Construction Complete

Project Contacts

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Thank you

For more information, please visit
www.pgh2o.com/thomas-and-mcpherson

