



Thomas and McPherson Stormwater Project

Project Update And Construction Schedule

North Point Breeze Community

August 24, 2021

Agenda

- Welcome and Introductions
- Project Overview
 - Green Stormwater Infrastructure
 - Water Main Improvements
- Construction: What to Expect
- Question and Answer

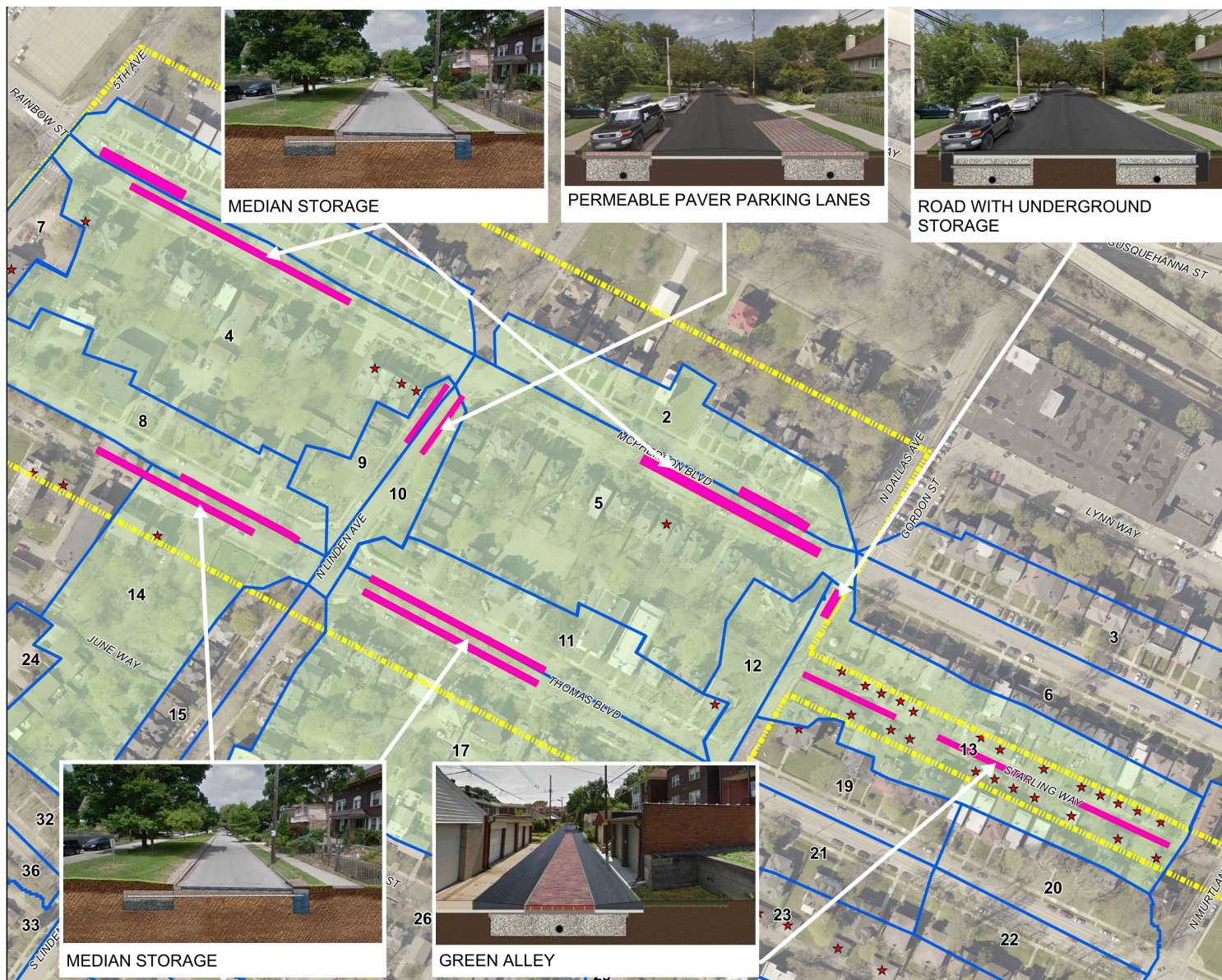


Submitting Questions Using Zoom

- **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



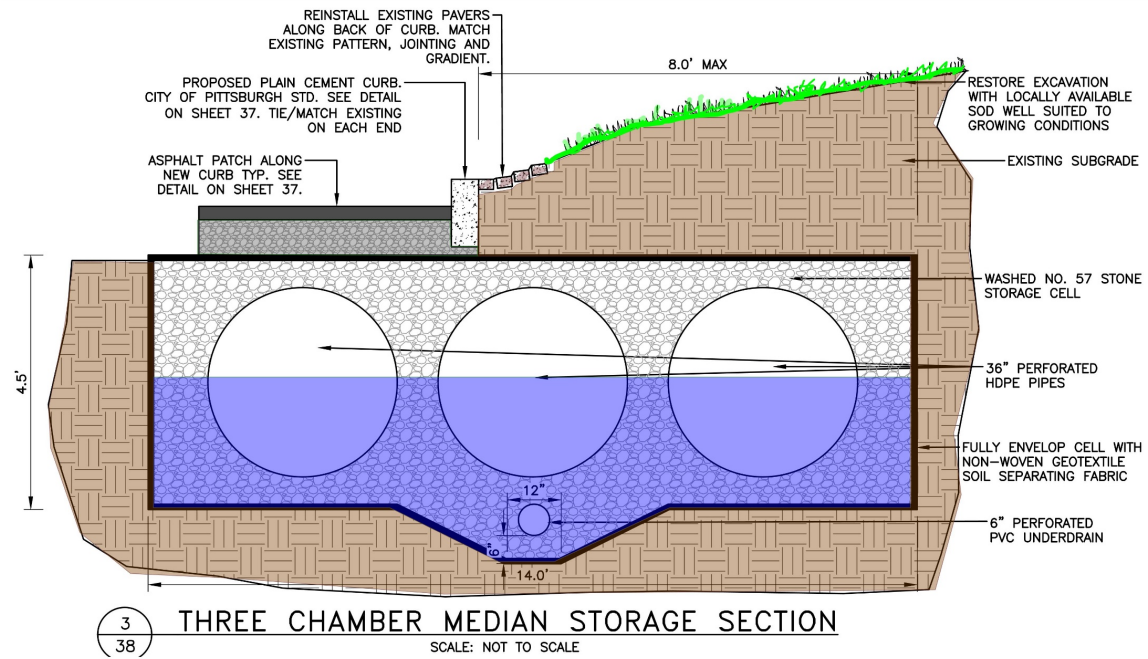
For more information or to ask a question after the meeting, please visit
<https://www.pgh2o.com/thomas-and-mcpherson>



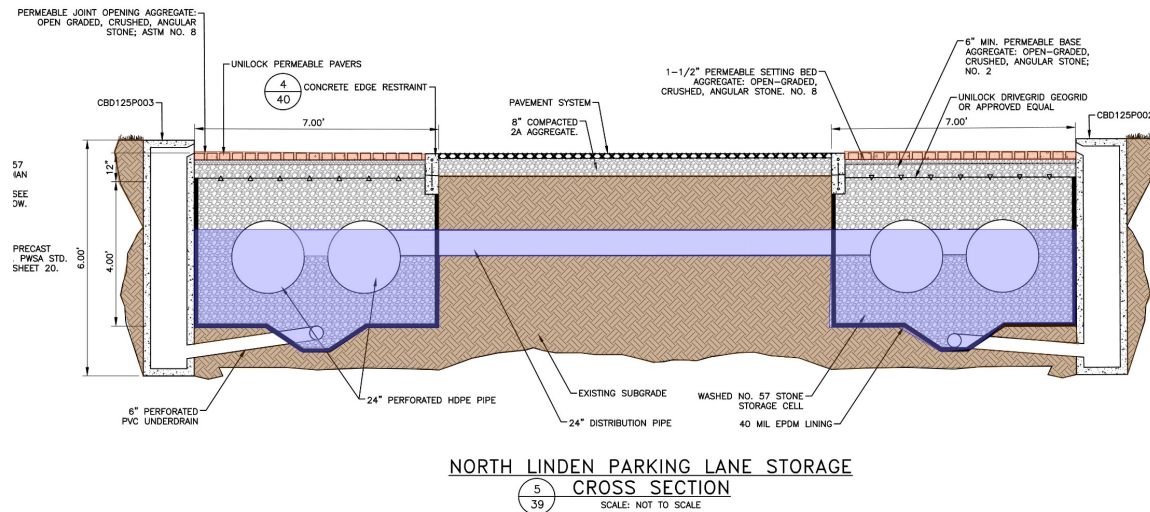
GREEN STORMWATER INFRASTRUCTURE PROJECT AREA

- Acreage Managed: 17.7
- Impervious Acreage Managed: 11.6
- GSI Management Strategy: Detention
- Runoff Managed: 470,000 Gallons

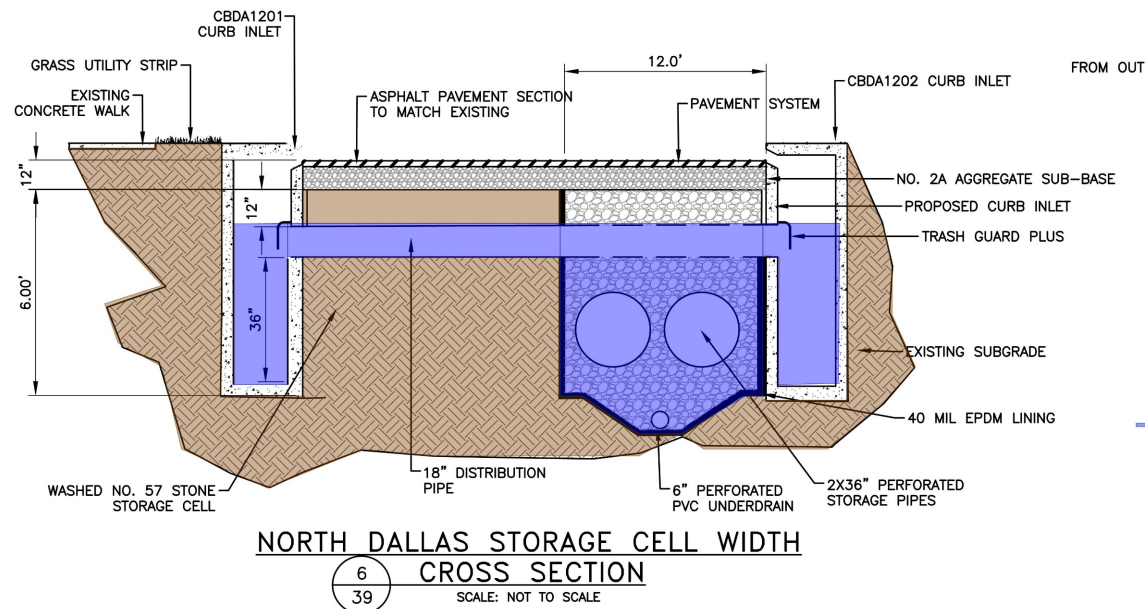
Median Storage



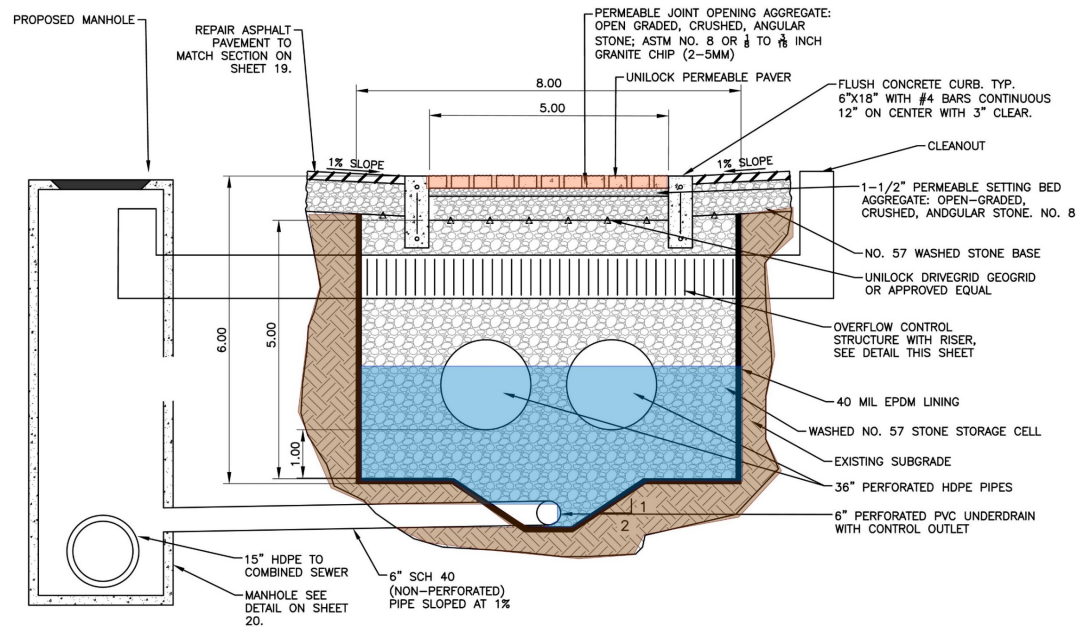
PERMEABLE PAVER PARKING LANES



UNDERGROUND STORAGE



GREEN ALLEYWAY: PERMEABLE PAVERS

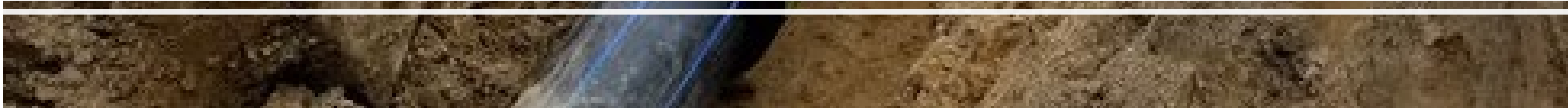


4
40 STARLING WAY GREEN ALLEY CROSS SECTION
SCALE: NOT TO SCALE





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

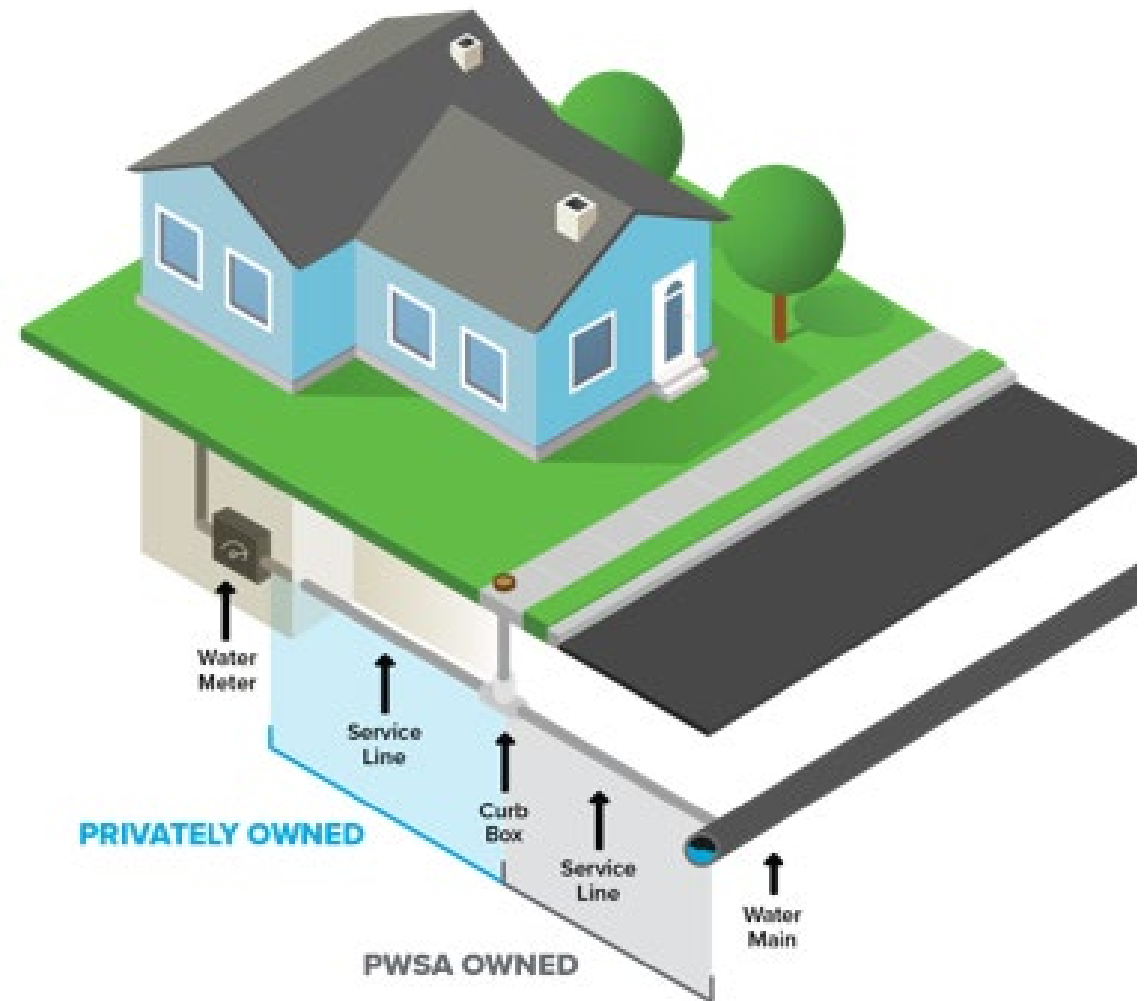


Lead Service Line Replacement



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.
- **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).

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: What to Expect





Project Construction Phasing

LEGEND

Construction Phase Sequence


2021 – Phase A

2022 – Phase B-F





PROJECT CONSTRUCTION SCHEDULE

- Construction was awarded to Frank J. Zottola at June Board Meeting
 - Construction started August 16, 2021
 - 2021 Construction: Thomas Blvd – Stormwater only
 - 2022 Construction: McPherson Blvd, Starling Way, N. Linden Ave, N Dallas Ave – Stormwater and Waterline
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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
- Will not close streets during morning and afternoon commute

Parking


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

Communication

- **Bi-weekly Construction Updates**
 - Provide via email
 - Post to webpage
- **Construction Project Signs**
 - Post in project area
 - Includes project & contact information
- **Project Webpage**
 - [Thomas & McPherson Stormwater Project | Pittsburgh Water & Sewer Authority \(pgh2o.com\)](https://pgh2o.com)
 - Subscribe for email updates

Thomas & McPherson Stormwater Project

In Planning

 Stormwater

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



Progress & Status

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

Stormwater Solutions:

- Gravel stormwater storage under the medians of Thomas and McPherson Boulevards
- Permeable paver parking lanes along North Linden Avenue with underground gravel stormwater storage
- Gravel stormwater storage under the road along North Dallas Avenue
- Permeable paver "green alley" with underground gravel stormwater storage in Starling Way



Design Complete

Project Contacts

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[Pittsburgh Water & Sewer Authority \(pgh2o.com\)](#)

Thank you

For more information, please visit
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