

# 2024 Birchwood Estates Street Reconstruction Project

## Open House #2

November 29, 2023



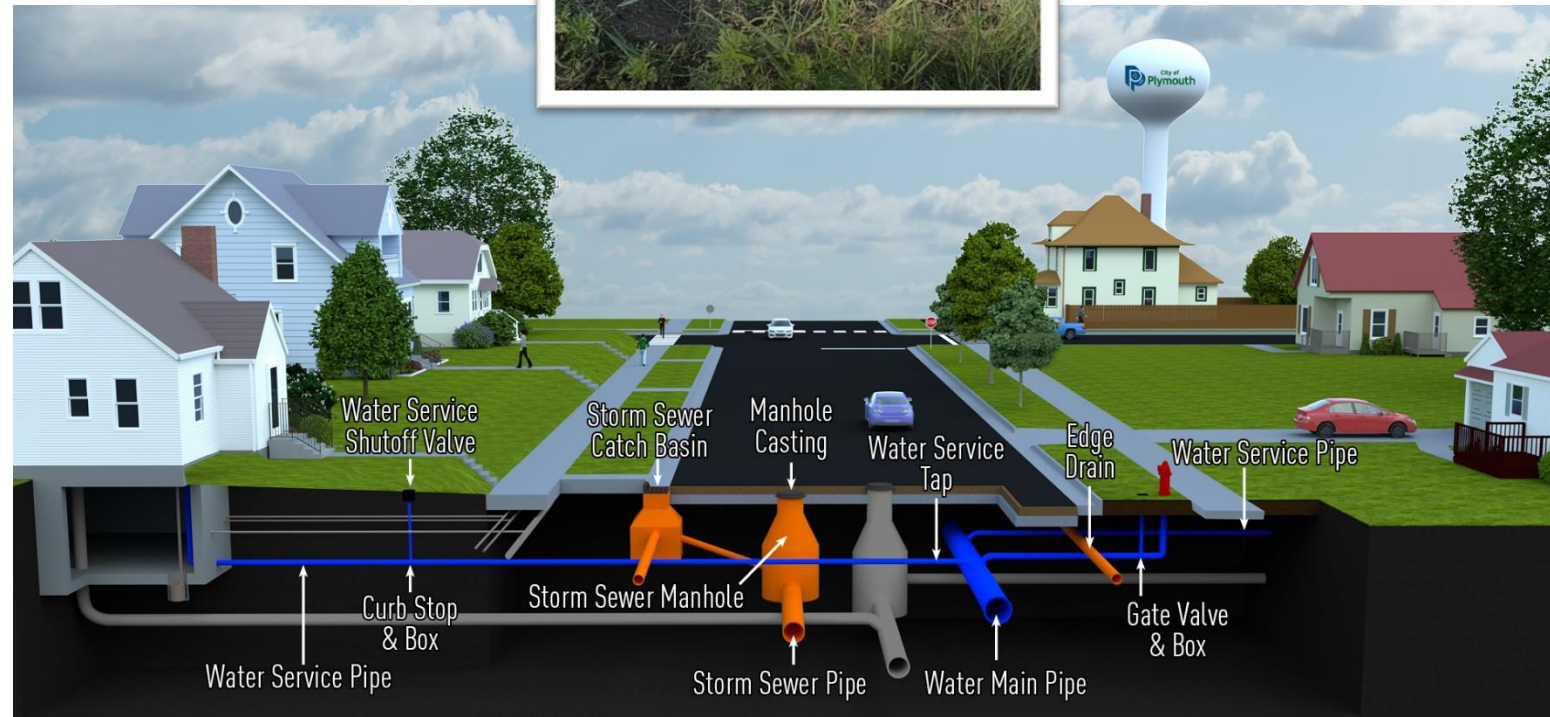
# Project Overview

- Watermain replacement
- Minor sanitary sewer adjustments/repairs
- Drainage improvements
- Stormwater management improvements
- Roadway resurfacing



# Watermain Improvements

- Existing 1960s era, 6" cast iron watermain
- Replacement with 8" PVC watermain & new fire hydrants
  - Improved flow for fire fighting
  - Improved reliability
  - Prevent future costly breaks & service disruption
- New water service lines from the watermain to the property line



# Drainage Improvements

- Addition of new storm drains at spacing meeting City drainage standards
- Replacement of existing corrugated metal storm sewer piping with modern reinforced concrete pipe
- Addition of concrete curb and gutter

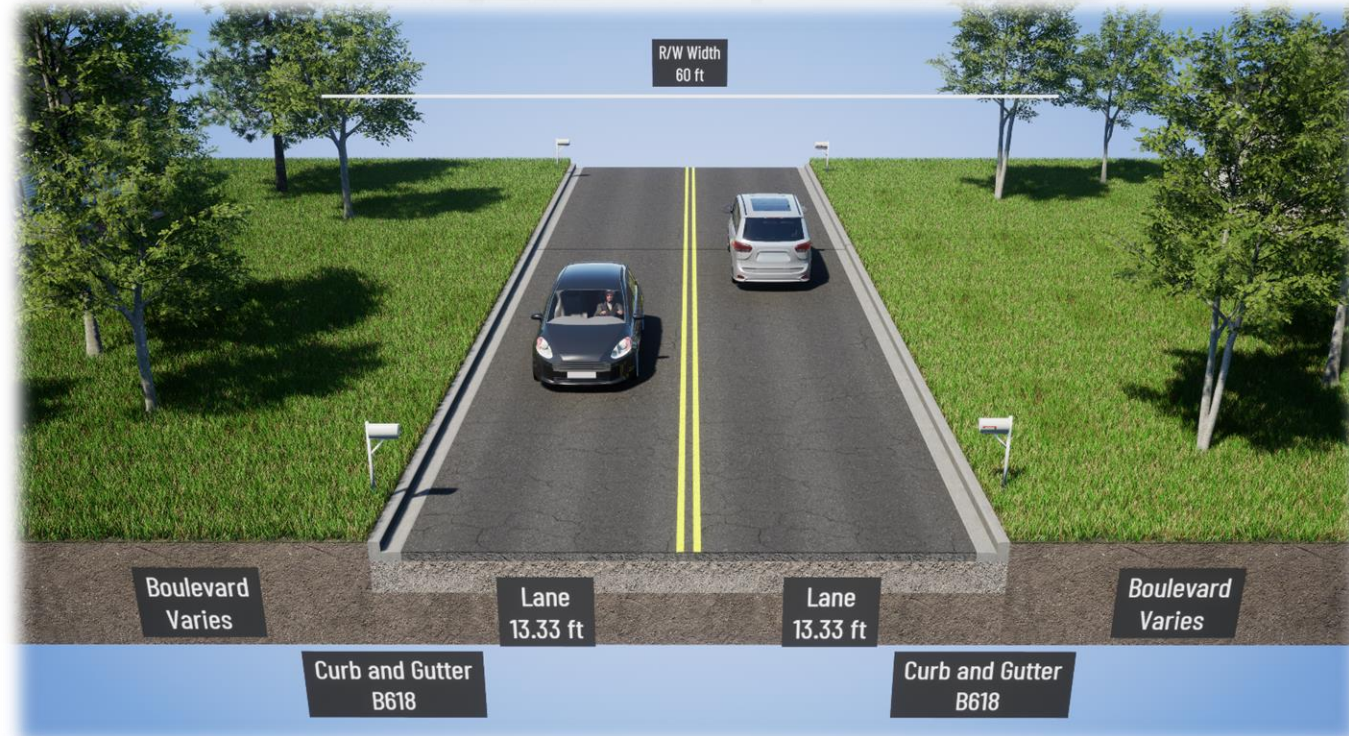


# Street Reconstruction

- Existing Rural road section – no concrete curb and gutter, poor drainage
- Pavement Management Program - started in 1987 with the goal of reducing roadway maintenance

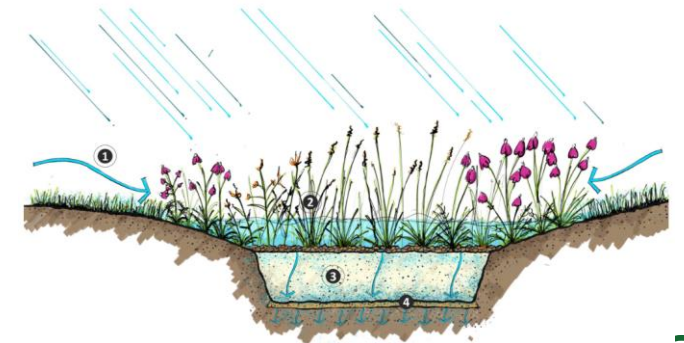
## Full street reconstruction

- Engineered road section – subbase, aggregate base, bituminous (asphalt) pavement
- Addition or replacement of curb and gutter – barrier style curb
- Proposed width of 28' from back of curb to back of curb to match City Standards
  - Existing roadway width varies between 28.5' -30.5'



# Stormwater Management Improvements

- Improved water quality for downstream receiving lakes and wetlands, such as Gleason Lake
- Wet pond at the south end of the neighborhood on school property
- Sediment capture devices inside storm drainage structures
- Rain garden installations
  - Project team has picked out one rain garden location from interested residents
  - Property with proposed rain garden chosen based on available space and topography



# Construction Process

**Pavement Removals**



**Temporary Water Distribution System**



**Watermain & Service Replacement**



**Storm Sewer Installation & Stormwater Management**



**Roadway Reconstruction**



**Concrete Curb & Gutter Installation**



**Roadway Paving**



**Turf Restoration**







# Construction Restoration

## Landscaping in right-of-way or easements

- Trees, bushes, flowers, landscaping items, etc.
- May be removed due to reconstruction of street or utilities
- Homeowner must remove/salvage items prior to construction if they wish to save the landscaping items
  - Project team can coordinate with residents on approximate disturbance limits as we near construction

## Turf

- Areas disturbed by construction activity will be sodded at the end of each construction phase

## Irrigation Systems & Electric Pet Fences

- Systems damaged by construction activity will be repaired

# Construction Restoration

## Driveways

- Portions near the street will be removed and replaced
- Driveways impacted by construction activity will be repaired with material in-kind
  - Asphalt – saw cut and patch
  - Concrete – removed at joint
  - Brick pavers – salvaged and reinstalled

## Right of Entry

Right of Entry forms available to sign and return to the City

- Needed for grading tie-ins, driveway patching, and water service replacement to curb stop



# Construction Process



## Typical Working Hours

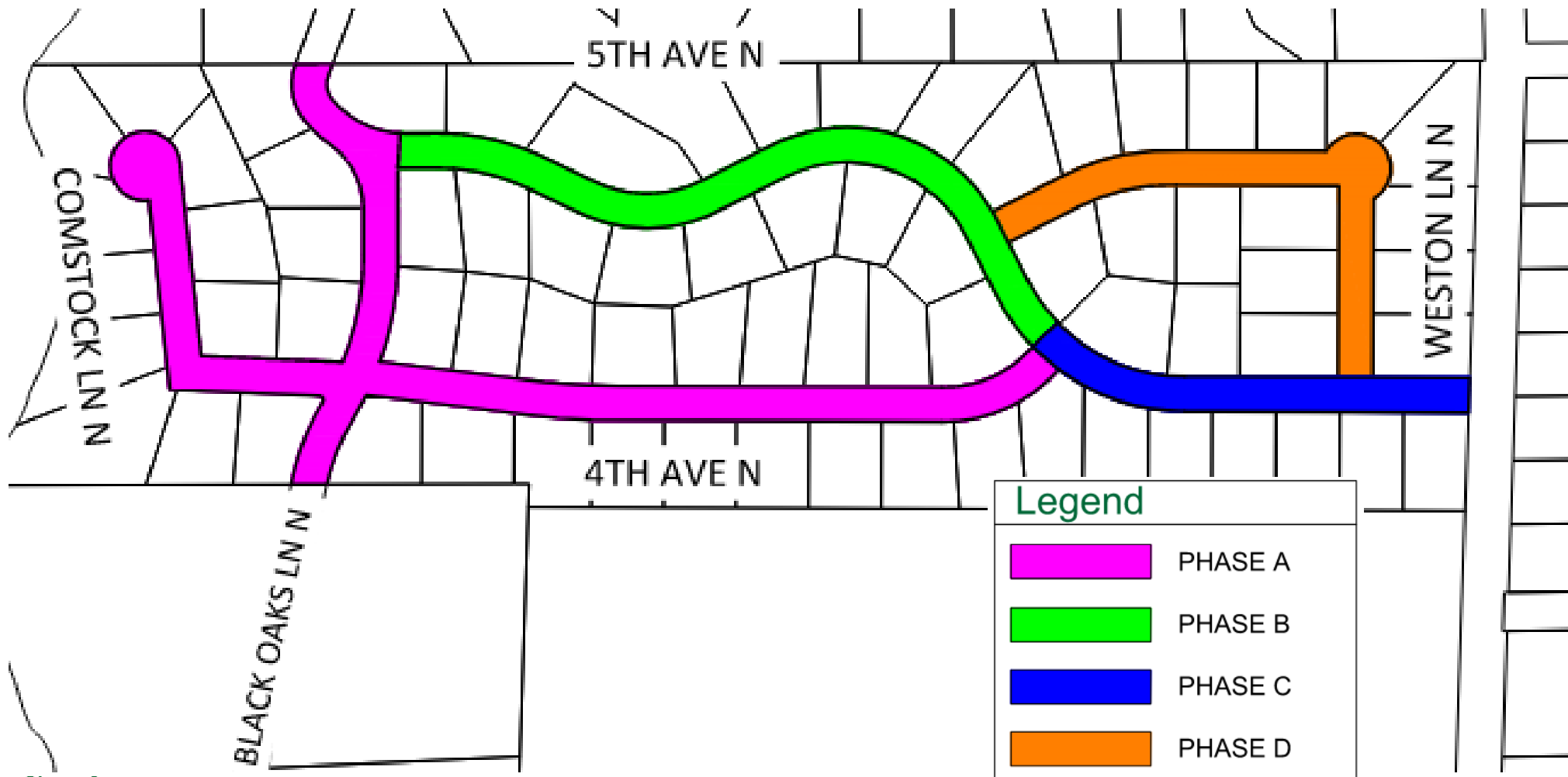
- Monday to Friday: 7am – Sunset
- Saturday: 8am – 6pm
- Sunday: special circumstances but typically not allowed
- Holidays: no work allowed



## Phased Construction Schedule

- Construction is anticipated to occur May – October 2024
- Goal to minimize duration and impacts
- Expected to be completed in multiple stages

# Construction Phasing



# Construction Access

## Access During Construction

- One drivable lane for emergency services
  - Access will change as construction progresses
  - May be delays due to construction activity
- Segments of roadways will be closed to thru traffic during construction
- Direct access to driveway at end of the working day overnight and weekends if no work occurs
  - Exceptions – concrete curb or driveway needs to cure for 7 days to support vehicles
- Notify the project team of special needs or events
  - Wheelchair access and medical needs
  - Graduation parties
  - Weddings
  - Funerals
  - Daycares

# Construction Impacts

## Inconveniences and Delays will be common

- The project team will help minimize these inconveniences to make things run as smooth as possible



## Resident support & access

- Communication of construction schedule and access restrictions
- On-site construction liaison
- Project email updates

# Assessment Policy & Hearing

## Special assessments applied to adjacent, benefiting properties

- 40% of street and storm sewer improvement costs paid by property owner
- City pays remaining 60%

## Project costs not assessed and fully paid by the City

- Sidewalk/trail improvements
- Water main and sanitary sewer maintenance

## Public & Assessment Hearing

- Notice of proposed assessment amounts and public hearing will be mailed two weeks prior to the Council meeting
- Tentatively scheduled for Winter/Spring 2024

# Assessment Payment Options

## Option 1 – Pay in full or partial payment(s) by 10/31/24\*

- No interest applied

## Option 2 – Pay in full between 11/1/24\* and 11/15/25\*

- Includes 1<sup>st</sup> year of interest

## Option 3 – Pay over the assessment term with interest

- Paid through property taxes
- Option is selected by default if not paid in advance

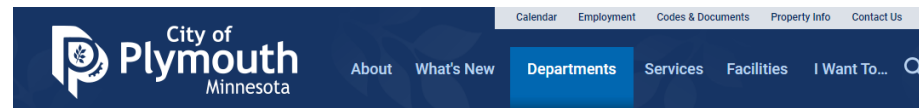
\*Dates are tentative and subject to change



# Project Website

City of Plymouth Project Website: [plymouthmn.gov/birchwoodrecon](https://plymouthmn.gov/birchwoodrecon)

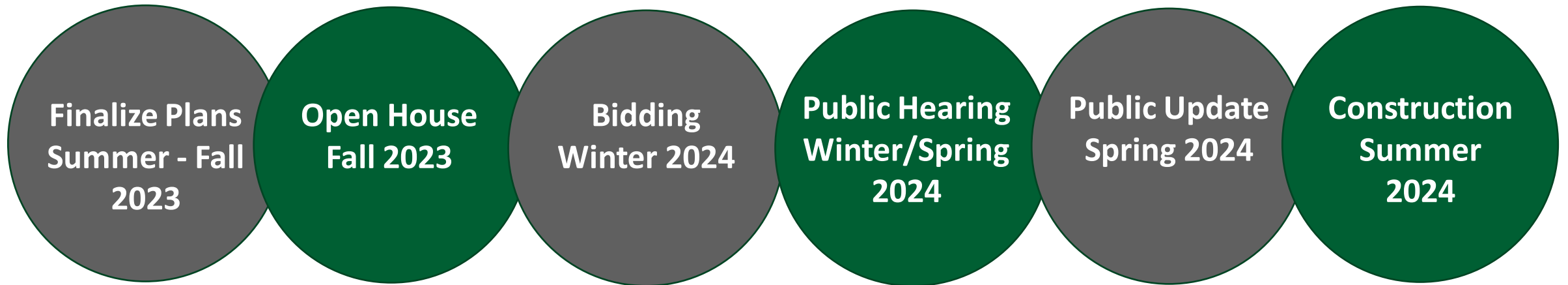
- Scan the QR code or use the url above to visit the project website!
- Project information, schedule, documents, updates, FAQ
- Sign up for email updates
  - Sent as needed leading up to construction
  - Sent at least once a week during construction



A screenshot of the project website page. On the left is a sidebar menu with categories: Public Works, Project Spotlight (containing MnDOT Highway 55 Pavement Improvement Project and Station 73 TRIP (County Road 73 and Highway 55) Project), Street Projects (containing Street Reconstruction FAQs, Mill &amp; Overlay FAQs, Hidden Lake and Beacon Heights 2nd Street Reconstruction, Chankahda Trail Reconstruction Project, Gleason Lake Drive Reconstruction Project, and 2022 Vicksburg Lane Improvement Project). The main content area shows the breadcrumb trail: Departments &gt; Public Works &gt; Project Spotlight &gt; Street Projects &gt; Birchwood Estates Street Reconstruction. Below the title are links for Print, Share &amp; Bookmark, and Font Size. Two prominent buttons are visible: 'STREET RECONSTRUCTION FAQs' and 'PROJECT UPDATE EMAIL SIGN UP'. The 'Project Overview' section describes the reconstruction of streets in the Birchwood Estates neighborhood, including curb and gutter installation, storm sewer improvements, and water main rehabilitation. An 'Anticipated Schedule' section lists: Informational Meeting (March 22, 6-8 p.m. at City Hall), 90% Draft Plans Open House (Fall 2023), Public Hearing (Winter/Spring 2024), and Construction (Summer 2024 - Summer 2025). A map on the right shows the project location with highlighted streets.



# Project Schedule



# Share your feedback!



At the public meeting



Contact a project team member

Visit the project website for more information and to sign up for email updates: [plymouthmn.gov/birchwoodrecon](http://plymouthmn.gov/birchwoodrecon)



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