



CITY OF MEDICINE LAKE

# 2024 Street and Utility Project

## Public Meeting

March 18, 2024





# Agenda

1. Welcome
2. Project Goals
3. Project Elements
4. Water Service Connections
5. Construction Details
6. Stay Engaged
7. Next Steps





# Welcome and Introductions

# Purpose of Meeting

The purpose of tonight's meeting is:

- Present the construction details and introduce construction team, including contractor's representative
- Answer individual questions during the open house period as it pertains to your property

## Meeting format

- Open house format from 5- 7 pm
- A formal presentation from 5:30-6:00. A lot of questions will be answered during the formal presentation
- Allow residents to sign up for City wide water service connection program.



# Project Contacts

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# Project Goals



**Ensures the long-term vitality of the community**



**Rehabilitates aging infrastructure**



**Improves road safety for all users**



**Improves mobility for pedestrians and bicyclists**



**Improves fire protection with new fire hydrants**



**Provides municipal drinking water**



**Upgrades to the drainage and sewer infrastructure**



- **2017/2018** - City discovers serious defects in sanitary sewer system and completes a rehabilitation project of the sewers.
- **2020/2021** – City embarks on a Capital Improvement Program (CIP) to determine all other infrastructure needs – streets, water main, etc.
  - Design proceeds on street and utility project with numerous public engagement meetings and a CIP design committee of residents to provide SEH direction and input.
- **2021/2022** – City constructs/rehabilitates existing sanitary lift station on Kaiser Ave.
- **2022** – City bids out street and utility project. Rejects all bids due to lack of state bonding support
- **2023** – Initial design plans modified based on contractor feedback during the 2022 bidding period. City receives state bonding support for 50% of project. Bids taken in December on the project. City Council awards contract to Veit in Jan 2024

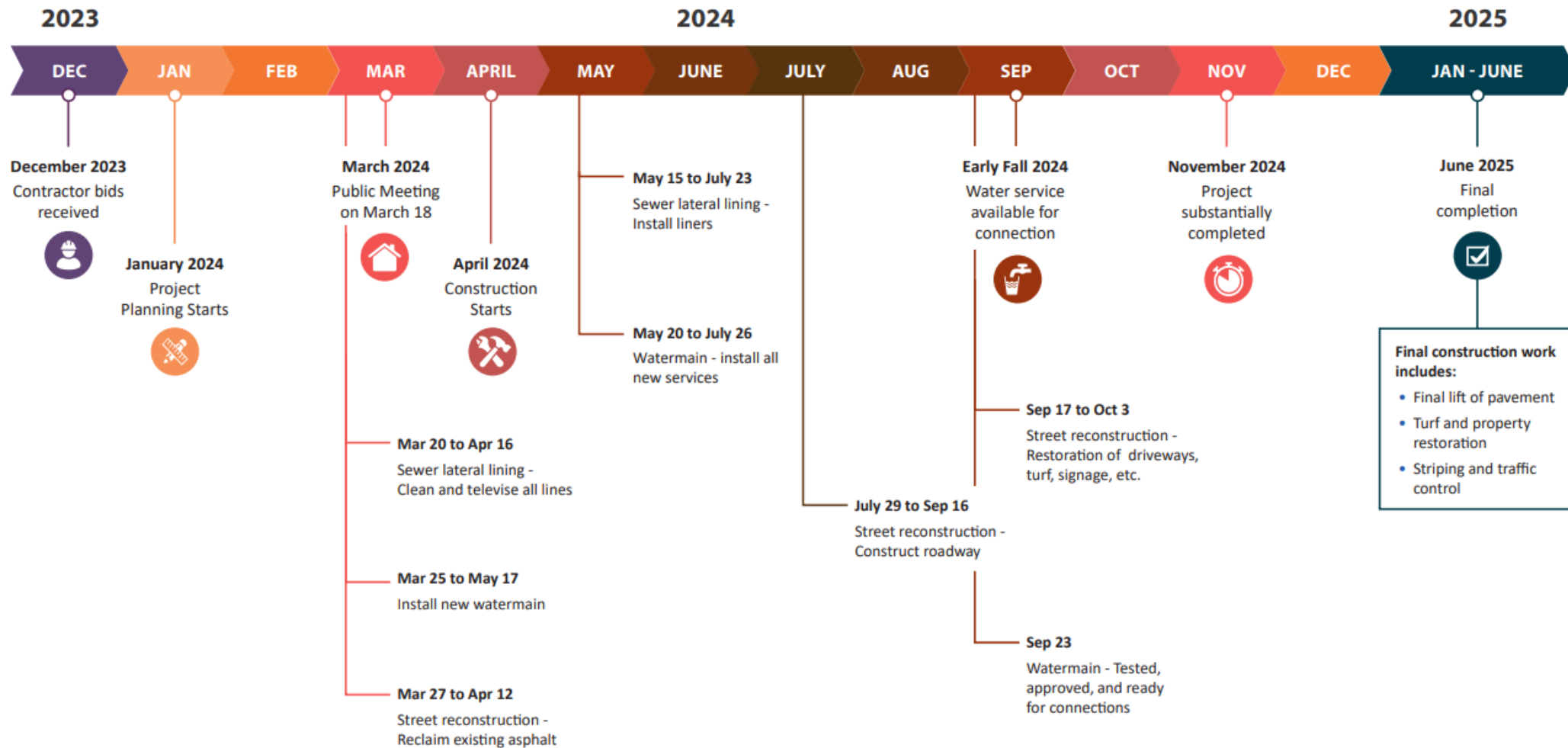


# Timeline



## Schedule

View the Schedule board for more details



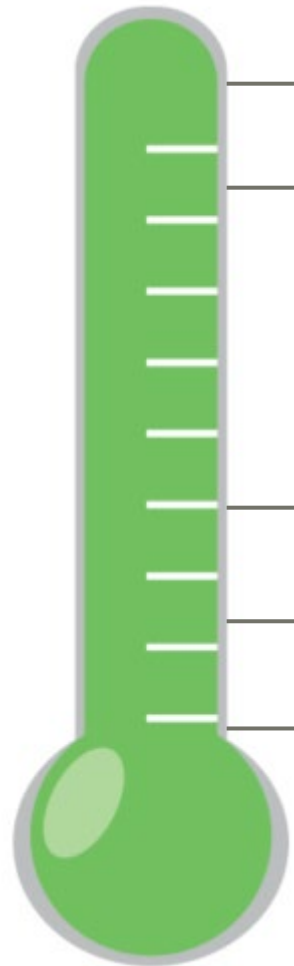




**Financing**



# How is the project being paid for?



- \$3.5 Million in state bonds. No repayment necessary

- \$2.6 Million in City GO issued bonds.

Will be paid back by City property tax levies

City has already start budgeting the bond repayments in their annual levy so no new increase in taxes necessary.

- Approximately \$700,000 from cash reserves

- Approximately \$100,000 from City of Plymouth for their share of 15th Ave.

- Approximately \$120,000 from Met Council Environmental Services grants for Inflow/Infiltration removal (sewer lining portion of project.)

**No special assessment directly to property owners.**



# Project Elements



## Watermain Installation

- A new watermain is being installed. This is the primary goal of the project
  - Provides municipal drinking water as an alternative to private wells
  - New system will be maintained by City of Plymouth
  - Will use method where paved surface remains intact during watermain construction
  - Contractor will install service lines with curb stop shut off valves at each property
- New fire hydrants will be installed vastly improving the City's fire fighting capabilities

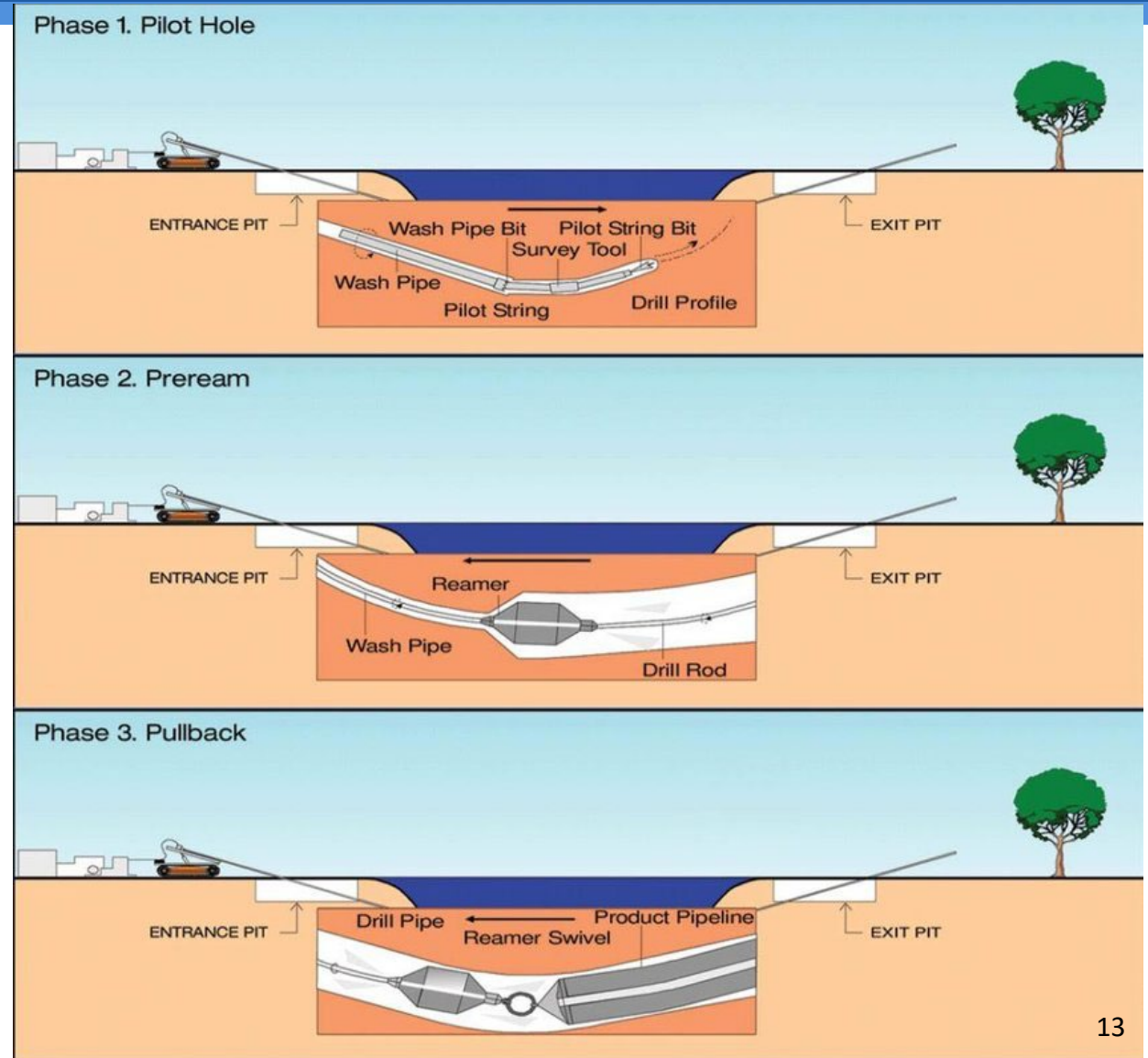


# Horizontal Directional Drilling Watermain

## A 3-step construction process

1. Drill a small pilot hole between pits. Pits are usually 100-300 feet apart
2. Ream out a larger hole to accept the new watermain pipe
3. Pull new watermain pipe through

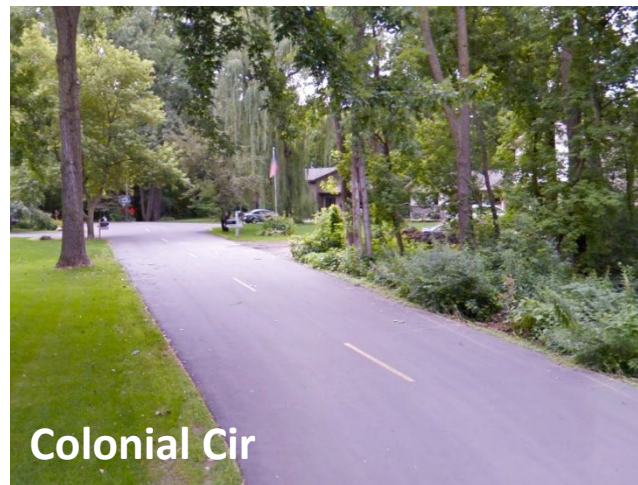
Note: All new pipe to be fused together in Jevne Park and then dragged down to the pits to pull through hole.





## Street Reconstruction

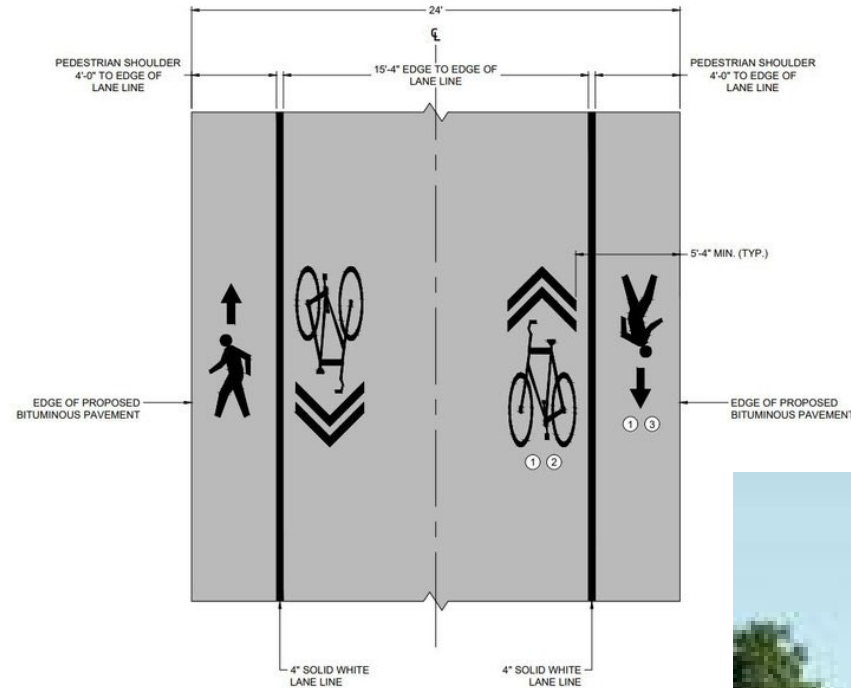
- Complete reconstruction of Peninsula Rd, Kaiser Ave, and Colonial Circle and 15<sup>th</sup> Ave
- Existing pavement beyond useful life and needs replacing
- Improve drainage in certain areas
- No new improvement such as curb and gutter or widening





## Street – Complete Streets

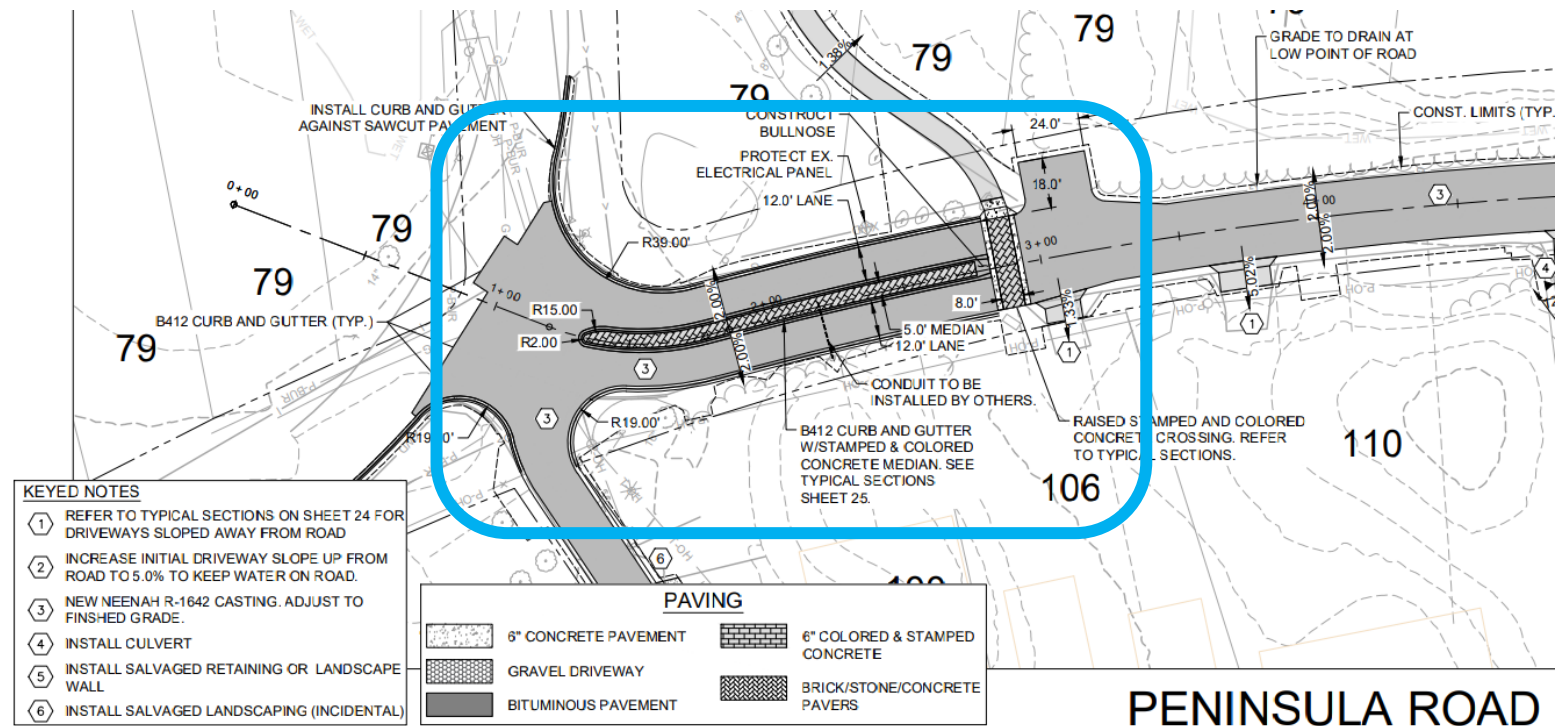
- Complete Streets principles will be applied to the new roadway design
  - Improves safety and mobility for drivers, pedestrians, and bicyclists
  - Signs will be placed at City entrance to inform drivers of “shared road” system
- Driver Feedback signs will be installed in both directions of Peninsula Rd along with several speed humps. Locations to be determined during construction





## Street Reconstruction: Entrance features at South Shore Dr

- Center median (drive over curb) to indicate residential area and “calm traffic.”
- Colored and stamped concrete features, pedestrian crossing, signage, etc.
- Landscaping and signage indicating Complete Streets/share the road.





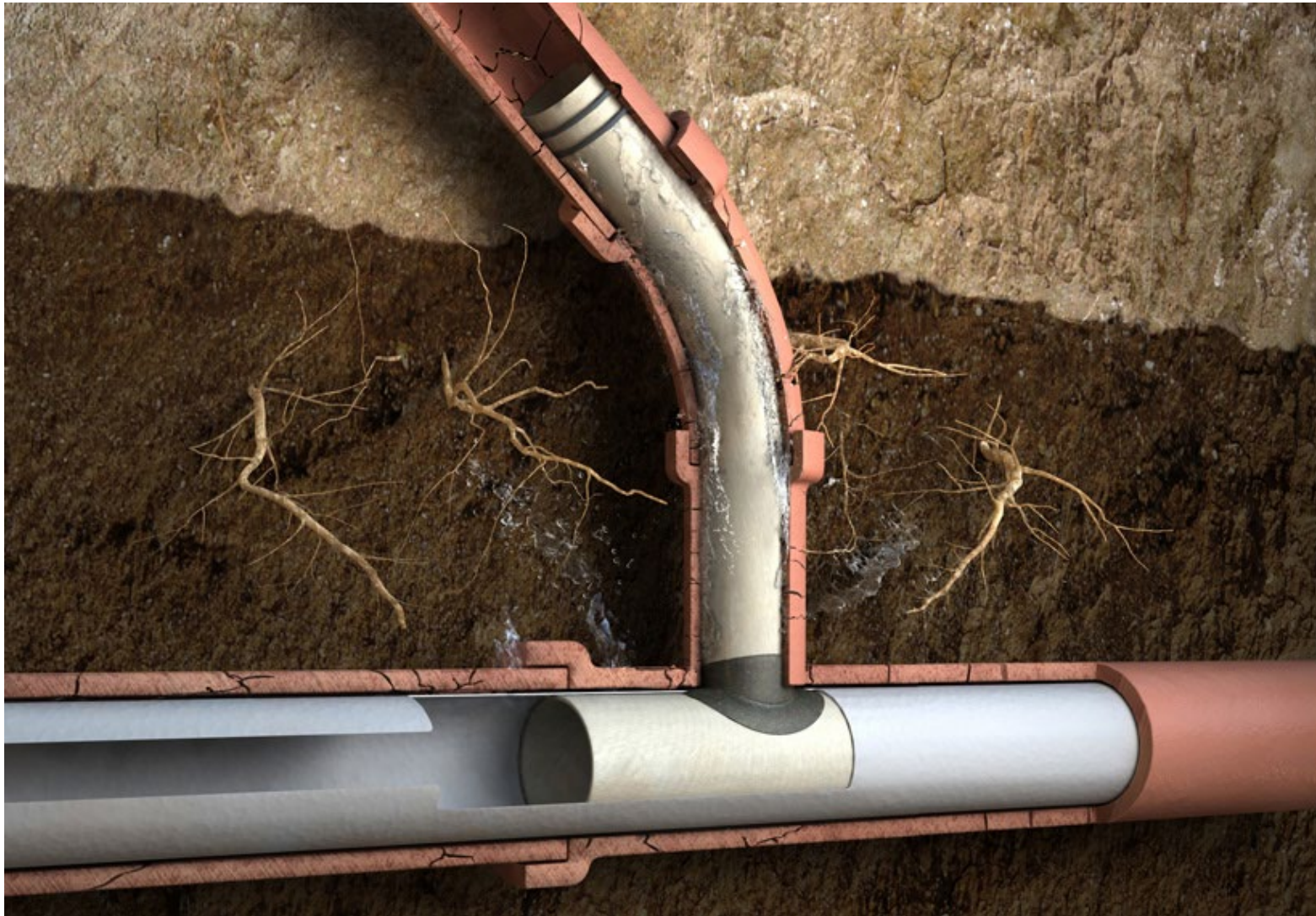


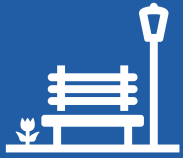
## Sanitary Sewer

- Replace the pressurized forcemain from Lift Station on Kaiser to MCES manhole in S. Shore Drive
- Manholes and home laterals will be lined or rehabilitated.
  - Rear yards will be lined about 5-10 feet.
  - Street side laterals will be lined to property lines or about 30 feet.
- Impact to properties while laterals are being lined
  - Contractors will need to access properties to get to manholes
  - Properties will receive 48-hour notice prior to work. Contractor to hand out starting this week
  - Water usage will not be allowed during that day



# Sanitary Sewer Lateral Liner





# Project Elements

## Parks

- Jevne Park
  - existing gravel parking lots will be paved
- Memorial Park
  - Irrigation system will be installed
  - Replacement of existing trails
  - Small parking area will be added on the street





## Trail

- Trail along S. Shore Dr will be reconstructed
  - Results in drainage flow improvement
  - Safer surface for walking and biking
  - Connection to regional trail





# Construction details



# Construction Schedule

## Construction schedules are dependent on a lot of factors.

(some within the contractor's control and others are beyond)

The following have been identified as schedule considerations:

- **State spring load restrictions and when they will be lifted**
  - (note: given this winter, there is little to no frost in the ground)
  - Mainly impacts City of Plymouth streets
- **Environmental protection requirements** (such as the eagle's nest and long eared bat mating season)
- **Private utility companies**, such as Xcel Energy, lead time for their work
- **Weather and good construction conditions**





## Environmental concerns/mitigation

1. Construction site erosion/lake impacts
  - Erosion control and storm water management plans in contract
  - Requires inspection after each rainfall and maintenance
  - City had Watershed permit to do work
2. Eagles Nest
  - Have been working with USFW on construction activities around Eagles Nest
  - Will follow USFW requirements
3. Long Eared Bat habitat/tree removal – must be done by 3/31 in accordance with environmental regulations





# Construction Schedule

- **March 13 – official kickoff construction meeting** between City, contractor (Veit), and SEH staff that discussed tentative construction schedule.
- **Activities already started or starting soon**
  - Tree removal. Factors why trees are being removed:
    - Trees impacted by the Emerald Ash borer and are diseased or dying.
    - Trees that will not survive construction impacts, root damage, over water lines, etc.
    - Why are they being removed now? Limited window per state regulations to avoid impacts to bat population.
  - Marking for water services/curb stop locations for all properties. The contractor and SEH representative will be meeting with you later to confirm if you want to adjust the location
  - Televising and cleaning main sewer lines for lateral lining. Access via manholes, both in street and rear yards





## Upcoming Key dates:

- **March 20** – sewer lining contractor to start work in manholes for cleaning and televising laterals.
- **March 25** - temporary mailboxes installed at City Hall, mail delivery switched.
- **May 15 to July 23** - Lateral lining timeframe
- **Watermain installation**
  - **March 20 to April 10** - Main line – directional drilling
  - **May 20 to July 26** - Water services and any open cut watermain areas
  - **October 1** - Water system tested approved and available for hookups



# Construction Schedule

## Upcoming Key dates:

- **Roadway – March 17 to Sept 16**
  - Milling/reclaiming existing pavement – i.e. remove pavement, will be recycled
    - **March 27** - Phase 1: Kaiser, Colonial and Peninsula to South Shore
    - **April 12** - Remainder of project, i.e. Peninsula to Jevne Park
  - **July 29 to Sept 16** - Roadway construction and paving
    - Mail service should resume after this
- **Aug 23 to Oct 2** - Other items: trails, concrete, turf and driveway restoration, signage
- **2025 work** – final lift of asphalt (top 1”) and all remaining turf and driveway restoration.



# Impacts to residents - general

**This construction project will have major impact on residents. It will not be business as usual.**

- Dust, noise, equipment (attractive to children) – SAFETY FIRST
- Travel – all modes. Slow down, obey all construction advisory signs, minimize trips.
- Parking on or adjacent to streets will be prohibited
- Driveways – both access to during construction and construction tie downs. The portion of the driveway next to the street will be removed and replaced, including culverts
- Boulevards, landscaping, irrigation, etc. – anything in the public right of way may be impacted
- Visitors and large gatherings – try to minimize to avoid any unnecessary traffic or parking
- Temporary one day shutdowns – i.e. water during sewer lateral lining, etc., paving streets or across driveway areas, etc.



# Impacts to residents – mail service/deliveries

## March 25 – mail service begins at City Hall location

- Existing mailboxes to remain in most cases unless they need to be removed for any roadway or watermain related items
- There is no ability to provide locking temporary mailboxes. If you are concerned please consider a temporary alternative, such as renting a PO Box.
- It is strongly recommended that you send package deliveries to an alternative location during construction. It may be difficult for delivery companies to travel through the construction zone





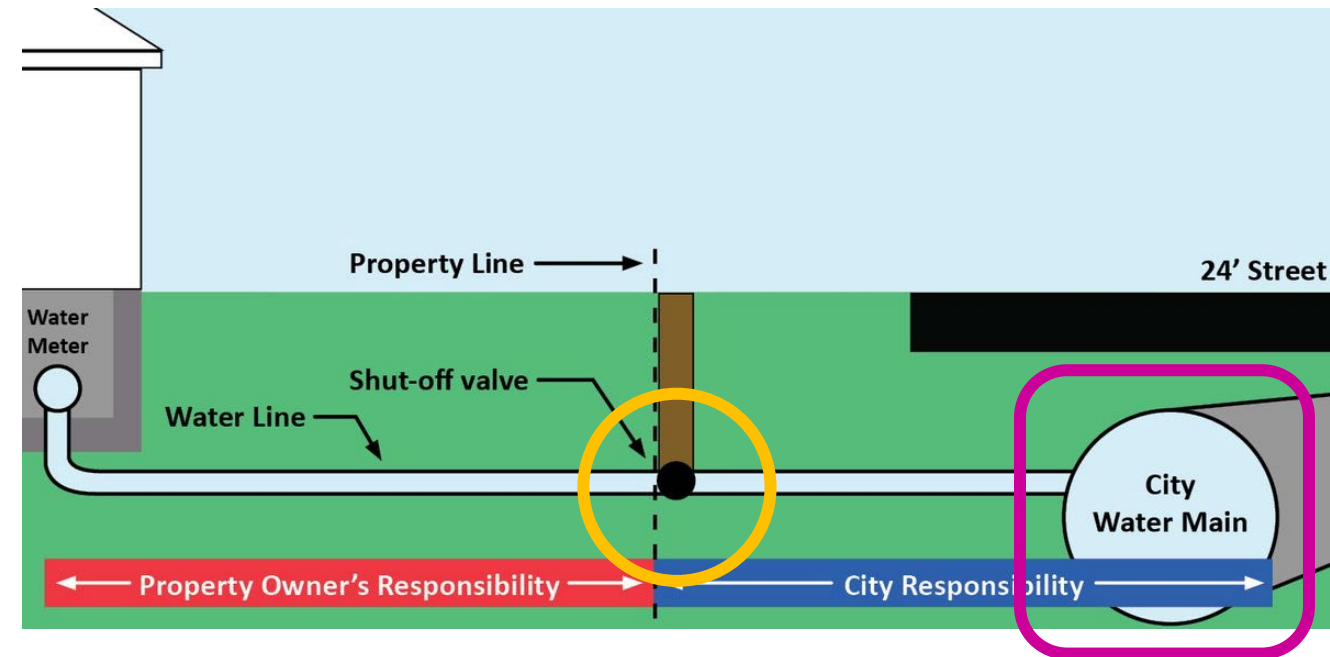
# Water Service Connections



# Water Service Connections

## Construction Process

1. Watermain will be installed
2. MN Department of Health will test water and approve main line
3. Contractor will extend service lines and install curb stop / shut off valves to each property
4. Water service connection is available

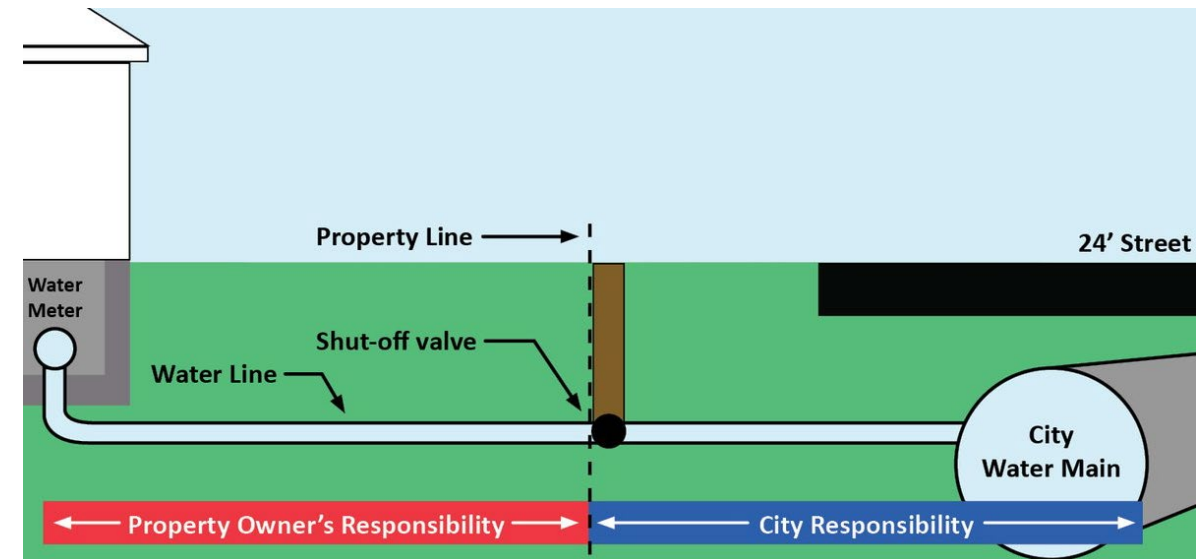




# Water Service Connections

## Connection Process

- Service is anticipated to be available fall 2024
- Contractor will meet with property owners to determine exact placement of water services shut off/curb stop valves
- Property owners will obtain permit and water meter from City of Plymouth
  - Permit and water meter will cost \$5,000
  - Contractor costs may range from \$10-20,000





# Water Service Connections

## Current 2023 Plymouth fees are:

- Residential connection charge: \$ 1,493
- Water connection permit: \$ 40
- Plumbing fee (2% of job): \$ 45
- Meter Fee (standard 1" meter): \$ 615
- Water Area Charge: \$ 2,813
- **Estimated Total Per Connection: \$ 5,006**





# Water Service Connections

## City-led Contractor Program

- City is searching for plumber to complete multiple connections in 2025 to obtain a cheaper group rate
- If you are interested, sign up for the program at the project website: [www.streetandutilityproject.com](https://www.streetandutilityproject.com)
- ***Or sign up today!***

Stay tuned as more details become available.

The screenshot shows a web browser window with the URL <https://www.streetandutilityproject.com/water-services>. The page title is "City-led Plumbing Contractor Program". The text on the page reads: "The City is searching for a plumber to complete multiple property service connections in 2025 to obtain a cheaper group rate. The City is currently gauging community interest before hiring a contractor/plumber. If the City proceeds, the plumbing contractor will take care of all coordination with the City of Plymouth including paying all the fees. The City will assess the complete service connection costs back to property owners once the work is completed. More information will be coming on this program in 2024." Below this text is a note: "Property owners interested in joining the program should provide their name and email." The sign-up form includes a "Name" section with "First Name" and "Last Name" input fields, and an "Email (required)" input field. A blue "Submit" button is located below the form.



## When do I need to hook up to City water per the recent ordinance?

1. When you sell your house
2. When you make major home renovations/improvements
3. When your existing well fails.

### Ordinance 142

#### AN ORDINANCE REGULATING CITY WATER SERVICES WITHIN THE CITY OF MEDICINE LAKE ADOPTING SECTION 720 OF THE CITY OF PLYMOUTH, MINNESOTA CODE.

**WHEREAS**, The City of Medicine Lake entered into a Joint Powers Agreement dated 09/08/2023 (hereinafter referred to as JPA) with the City of Plymouth to provide potable water services to the City of Medicine Lake as an extension of the City of Plymouth's water system; and

**WHEREAS**, The JPA requires the City of Medicine Lake to adopt the City of Plymouth's current potable water code and ordinance (Section 720 of the City of Plymouth Code) as well as future amendments.

**NOW, THEREFORE**, the City Council of Medicine Lake does ordain as follows:

#### Section 1 Purpose

It is the intent of the City of Medicine Lake to adopt the City of Plymouth's potable water codes and ordinances including future amendments where such amendments do not conflict with other codes and ordinances of the City of Medicine Lake.

#### Section 2 Adopting City of Plymouth Code governing City Water Services

Subd. 1 Section 720 of the City of Plymouth Code governing the City Water Service shall serve as the regulating ordinance for City Water Services in the City of Medicine Lake.

Subd. 2 Unless notice is provided to the City of Plymouth that a conflict exists with any amendment to Section 720 of the City of Plymouth Code and any code or ordinances of the City of Medicine Lake, such amendments shall be enforceable within the City of Medicine Lake upon adoption by the City of Plymouth without action required by the City of Medicine Lake.

Subd. 3 In the event future amendments to Section 720 of the City of Plymouth Code governing the City Water Service are in conflict with the other codes and ordinances in the City of Medicine Lake, the City of Medicine Lake shall have 60 days from the date of notice to the City of Plymouth to resolve such conflicts by amending its own codes and ordinances.

#### Section 3 General Rules

Subd 1. Where applicable, certain standards governed by the JPA shall rule when in conflict with Section 720 of the City of Plymouth Code or any codes of the City of Medicine Lake.



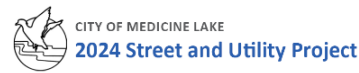
**Stay Engaged**



# Stay Engaged



Visit the project website  
[www.streetandutilityproject.com](http://www.streetandutilityproject.com)



Home Improvements Water Services Construction FAQs Meetings



## Street and utility improvements are coming to Medicine Lake in 2024!

Scroll down to learn more.

### About the Project

The City of Medicine Lake is being proactive in addressing its aging infrastructure that cause maintenance issues and reliability concerns. The City will be making long-term public infrastructure improvements. Construction is scheduled to start in spring 2024.

The following are included as part of the 2024 Street and Utility Project improvements:

### Benefits

The 2024 Street and Utility Project will provide the following benefits:

- Ensures the long-term vitality of the Medicine Lake community.



The project website will provide regular updates once construction begins

[www.streetandutilityproject.com](http://www.streetandutilityproject.com)



## Construction information

The 2024 Street and Utility Project is a major reconstruction project that will impact the community.

The City of Medicine Lake is working with contractors to minimize those impacts during construction. The watermain and road will be reconstructed in stages to further reduce impacts.

We appreciate your cooperation to minimize external traffic and large gatherings to allow the contractor to expedite construction.

Attend the [Public Meeting on March 18](#) to learn more about the project and construction details, and provide your input.



# Project Contacts

**Dave Hutton**, Project Manager (SEH, Consultant)

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**Blake Hansen**, Project Engineer (SEH, Consultant)

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**Bill McNaughton**, City Council Member

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**Thank you for your  
attendance!**

**Questions?**