

# PROJECT 2-25 SANITARY SEWER AND WATER MAIN JOINT UTILITY PROJECT

## PUBLIC INFORMATION MEETING

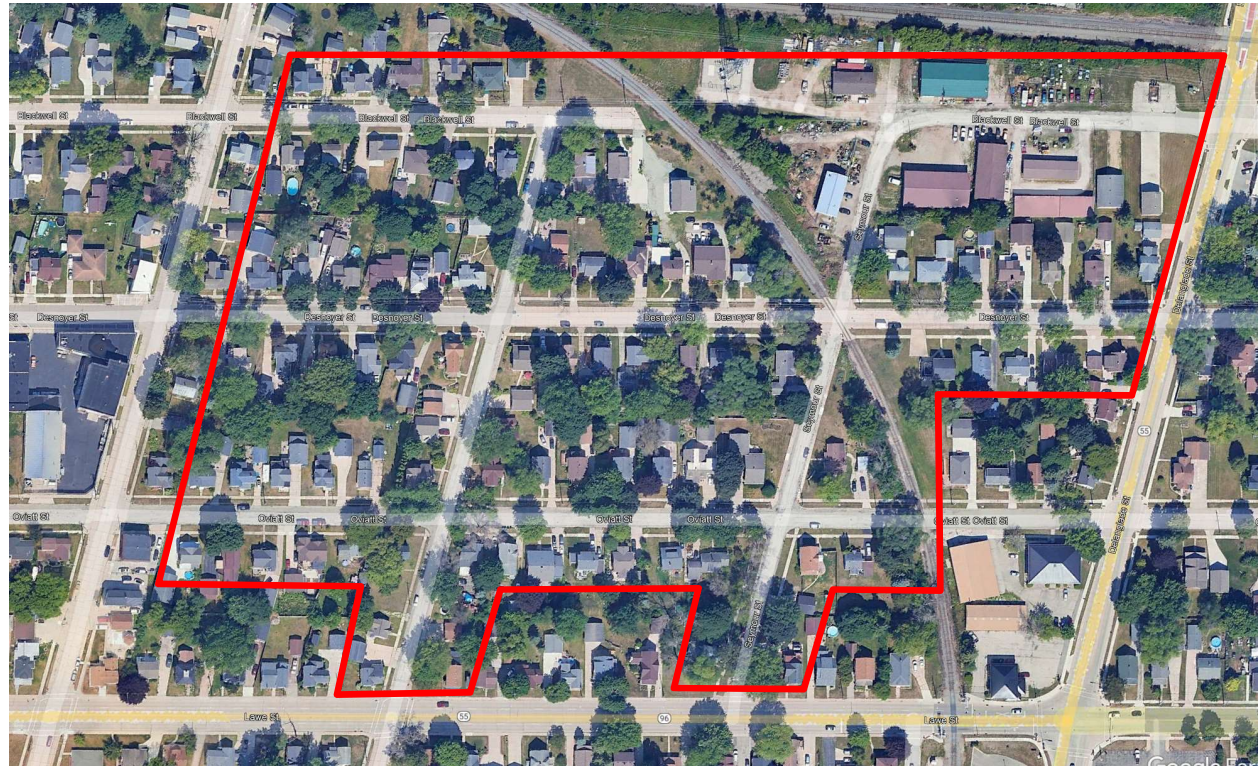


Taylor Conger  
Project Engineer  
City of Kaukauna

MARCH 17<sup>TH</sup>, 2025

# PROJECT AREAS – SANITARY SEWER & WATER MAIN REPLACEMENT

- Blackwell Street
  - Tobacnoir to Dead End
  - Seymour to Delanglade
- Desnoyer Street
  - Tobacnoir to Delanglade
- Oviatt Street
  - Tobacnoir to RR Tracks
- Ducharme Street
  - Lawe to Blackwell
- Seymour Street
  - Lawe to Blackwell



# CONSTRUCTION – WHY NEEDED?

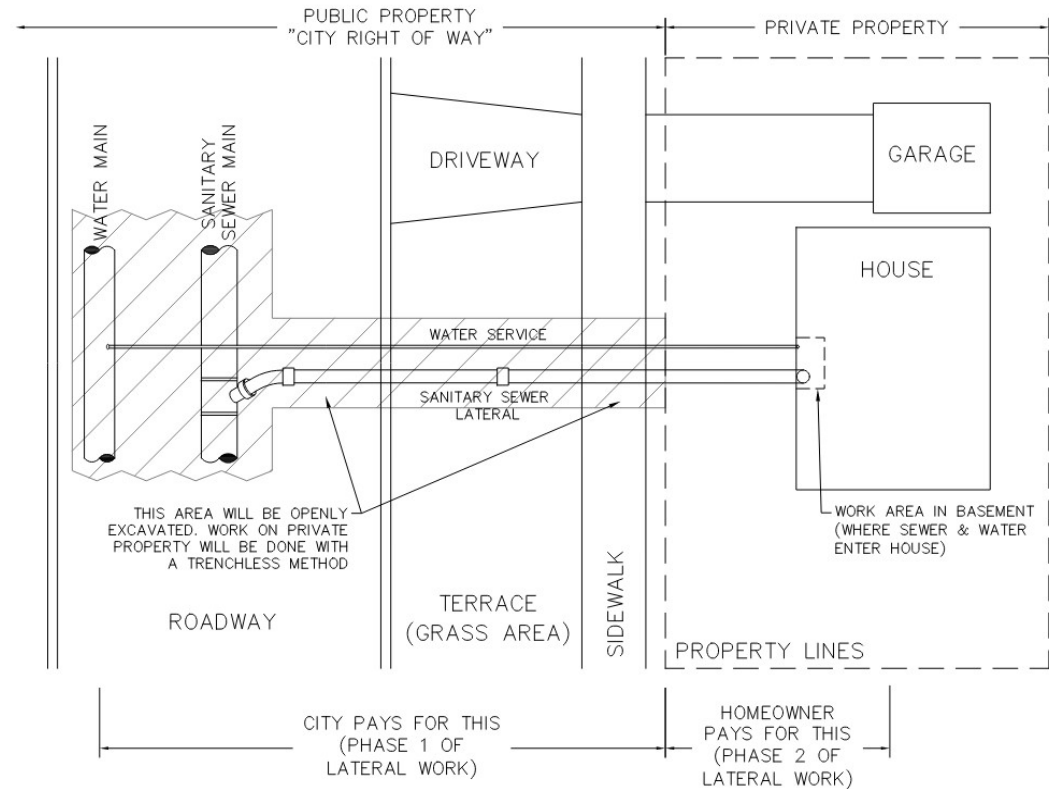
- Sewer Pipes in the area are anywhere from 40 to 100 years old.
- Some Streets have Water Lines dating back to the 1930's.
- Pipe Videos show cracks, holes, and other damages that warrant replacement.
- Old water mains are susceptible to breaking, resulting in urgent repairs.



# CONSTRUCTION – OVERALL PROJECT

- Replace all Sanitary Sewer Pipes and Water Pipes in the roadway.
- Replace all pipes on private property that do not meet the requirements set in the City Ordinance and Kaukauna Utilities Ordinance.
- Place a new asphalt surface over all disturbed, paved areas.
- Restore grass areas disturbed during construction with grass seed & fertilizer.

## SANITARY AND WATER EXAMPLE



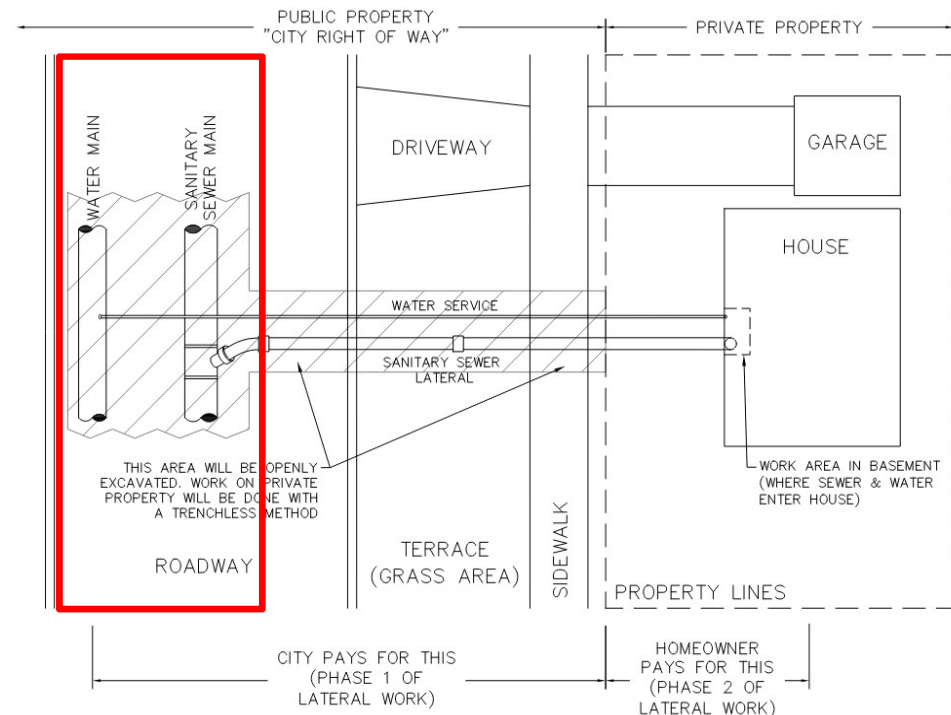


# CONSTRUCTION PHASES

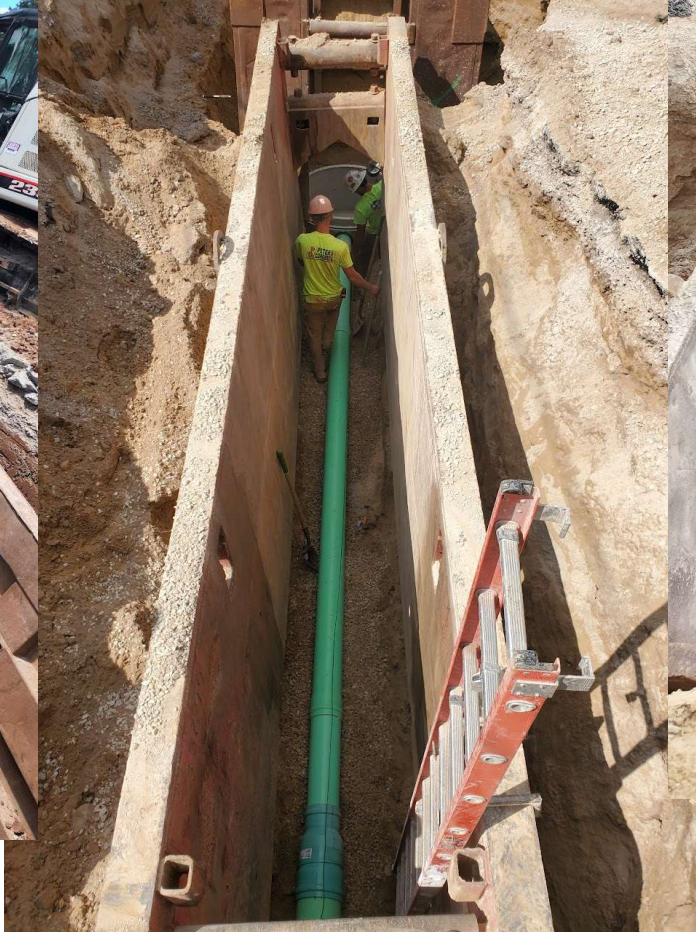
- SEWER & WATER MAIN WORK

- Work Located Primarily in the Road
- Sewer down Centerline of Road
- Water either Left or Right of Sewer
- Large Excavators dig trenches for replacement
- Soil removed from the trench is placed on the road, then used to fill the trench back in
- Gravel is placed on top of the trench

## SANITARY AND WATER EXAMPLE







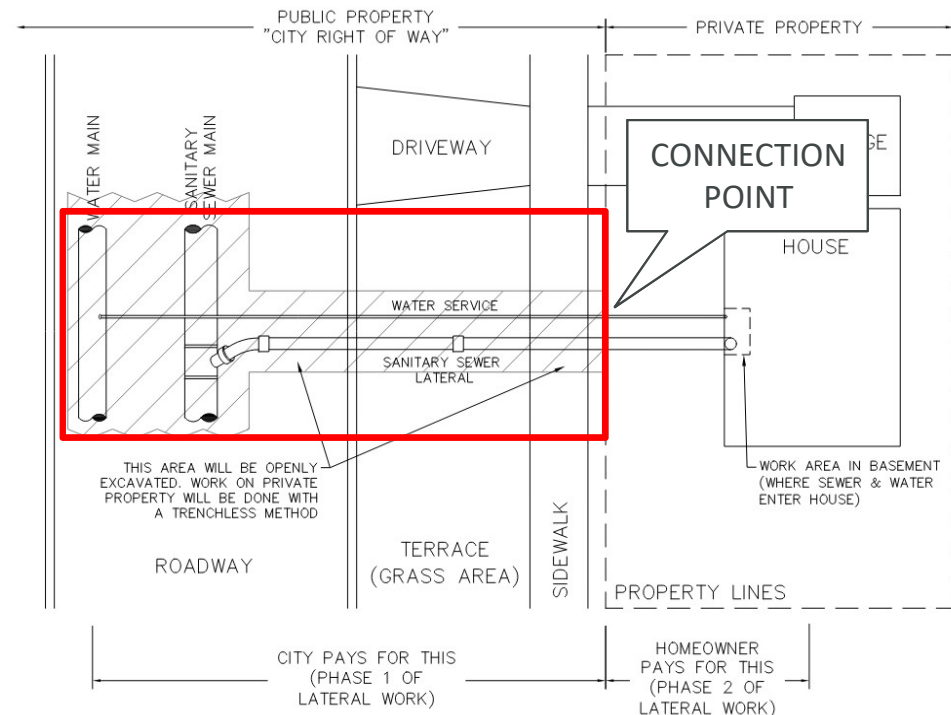


# CONSTRUCTION PHASES

- PUBLIC Lateral Replacement

- Work Located In the Road up to the sidewalk
- Connection from Main Line Pipes to Private Pipes
- Excavators dig trenches for replacement
- Soil removed from the trench is placed to the side, then used to fill the trench
- Gravel is placed on top of the trench in the road, driveways, and sidewalks
- Grass areas are filled with soil

SANITARY AND WATER EXAMPLE







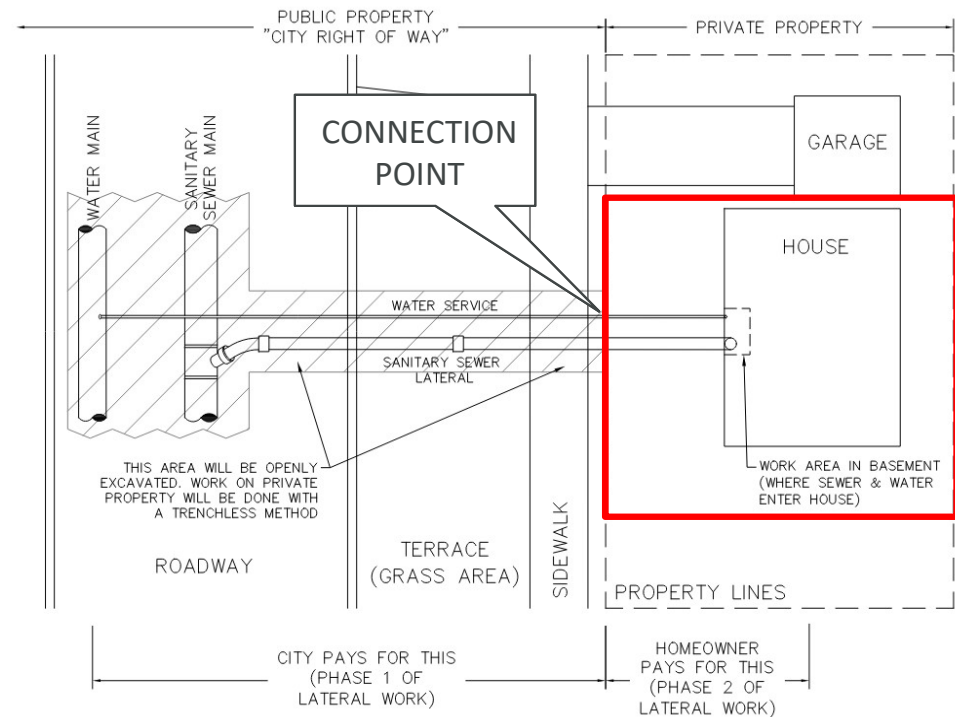


# CONSTRUCTION PHASES

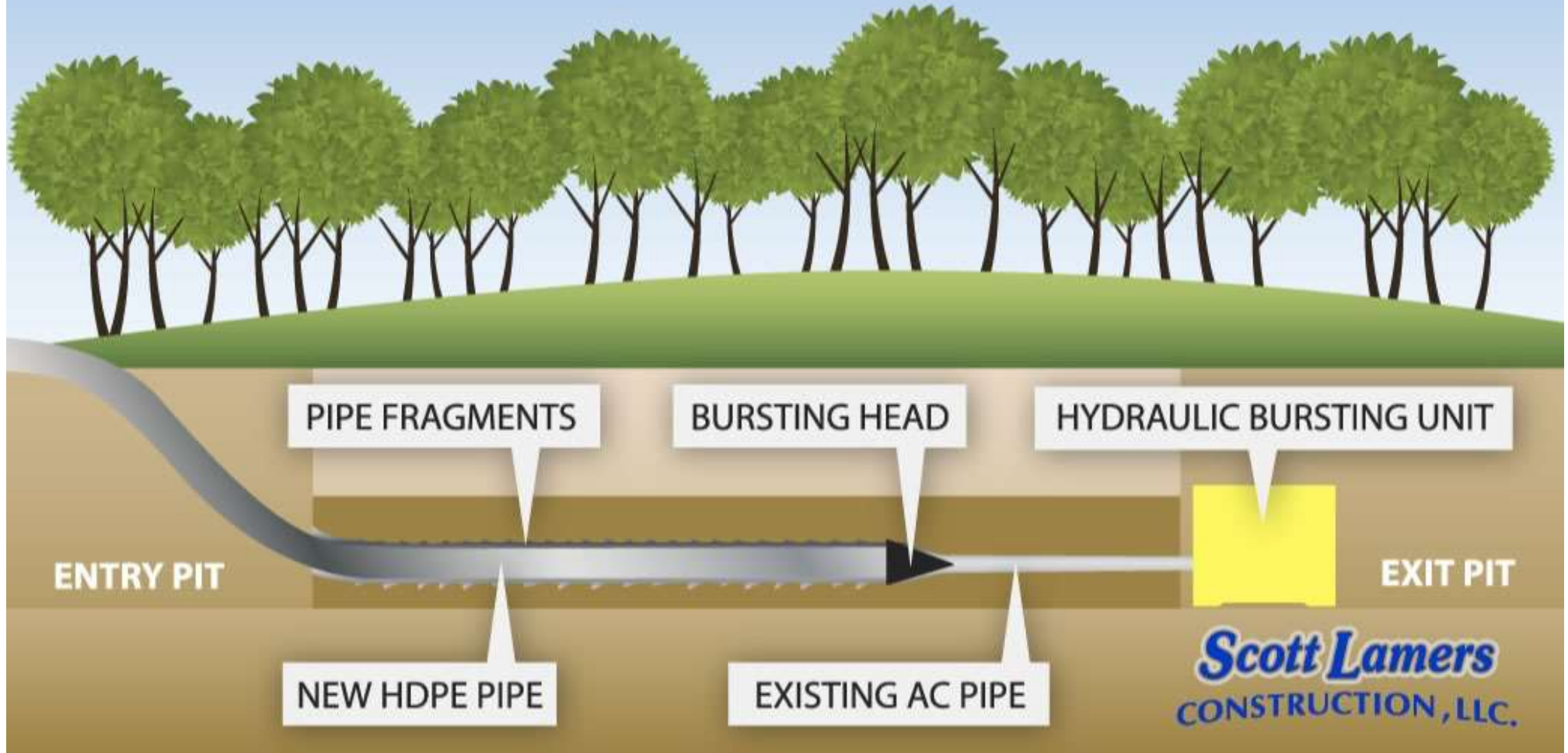
- PRIVATE Lateral Replacement

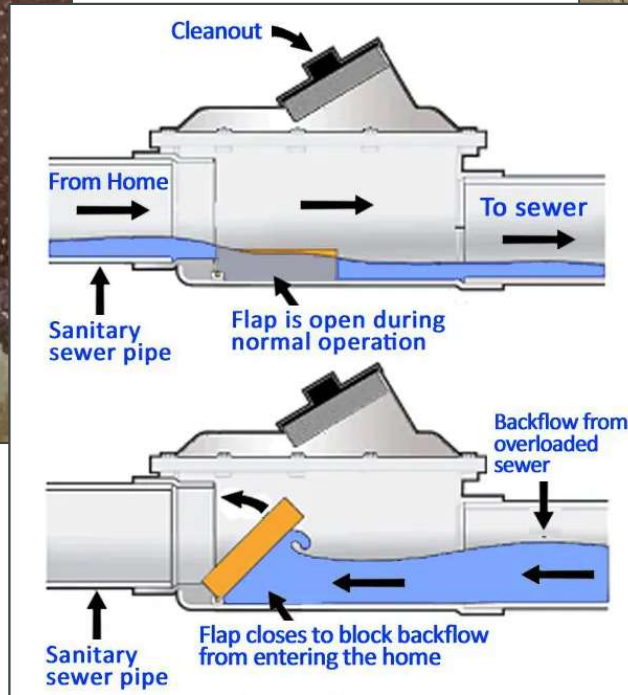
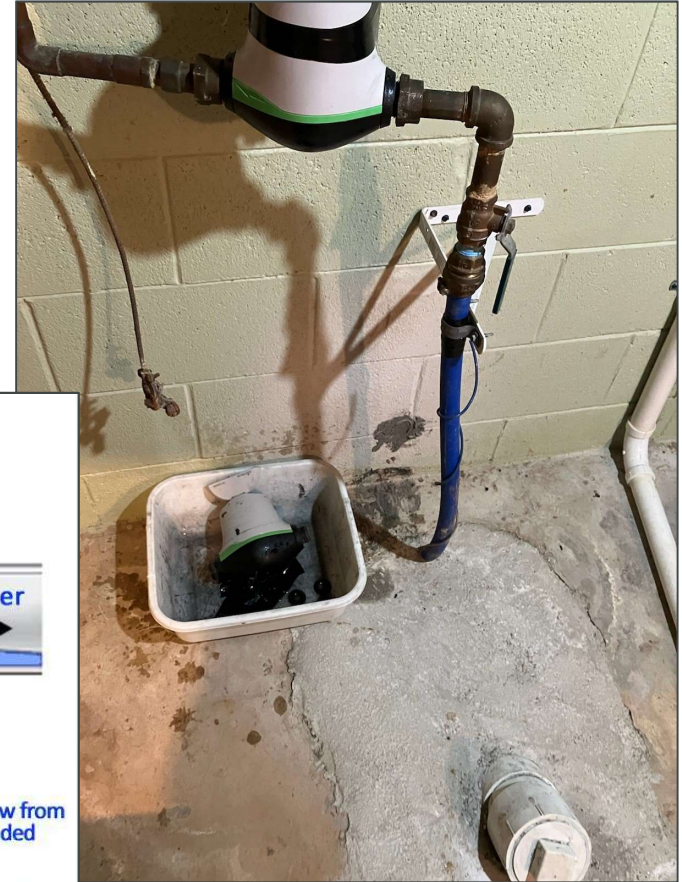
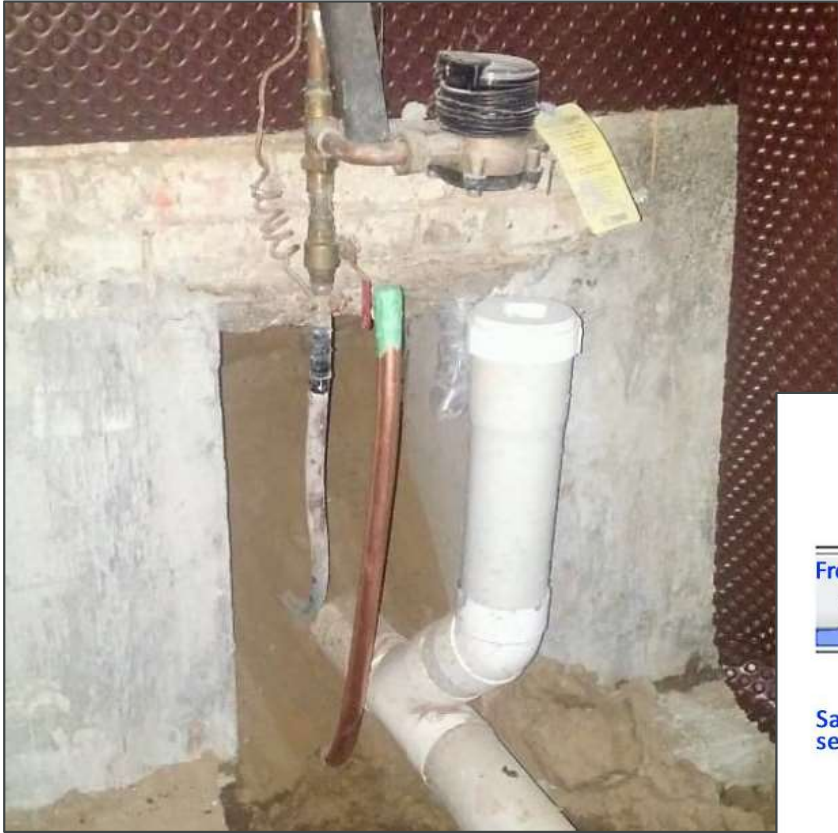
- Work Located on Private Property
- Connection from Public Lateral at sidewalk into Basement
- Trenchless Repair Methods
- One hole dug at Sidewalk, another area dug in basement
- Basement Floor is patched with new concrete

## SANITARY AND WATER EXAMPLE



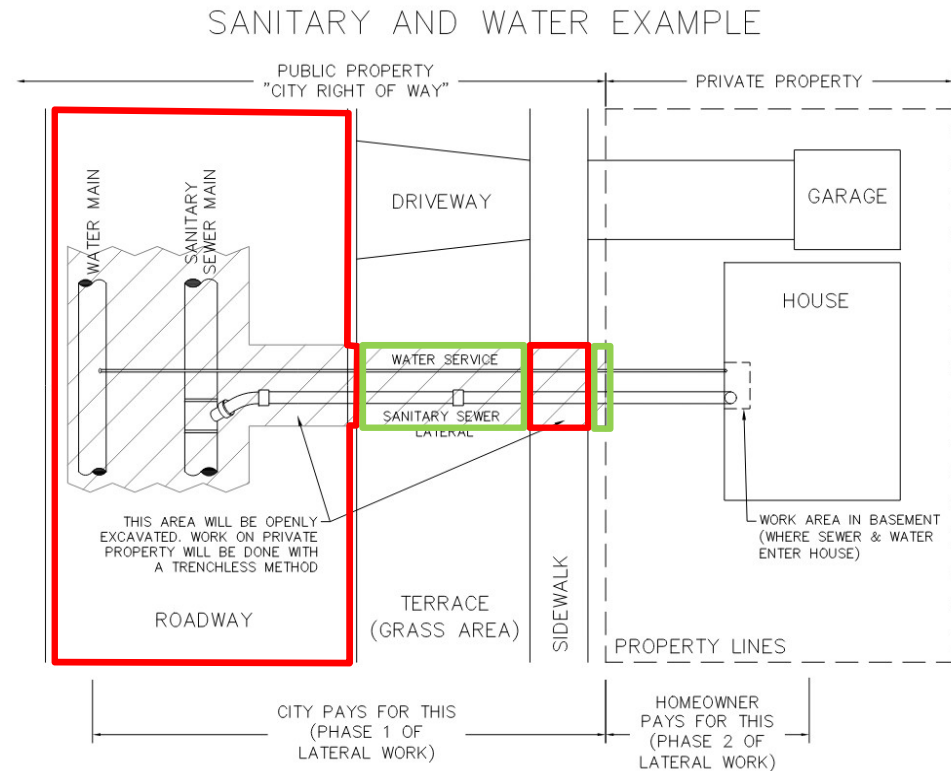
# Trenchless Sewer Repair Process





# CONSTRUCTION PHASES

- Paving & Restoration
  - Takes place after all work in the roadway has been completed
  - First step is to bring in a milling machine to remove the top 2 inches in the roadway
  - Next they adjust the surface grade per plan
  - Then 2" of asphalt is placed on everything (roads, driveways, and sidewalks)
  - Grass areas restored with soil, grass seed, and fertilizer











# PRIVATE SEWER LATERAL REPLACEMENT

- Replacement Standards

- Acceptable Pipe Materials:

- PVC
    - HDPE
    - CIPP Liner

- Must be Replaced:

- Clay
    - Cast Iron
    - Ductile Iron
    - Asbestos
    - Transite
    - Deformed/Thin Plastic

- Why must it be replaced?

- City Ordinance Requires that the unacceptable pipe materials must be replaced as part of a larger initiative to cut back on ground water infiltration into the public sewer, resulting in unnecessary costs to treat clean water.

- Other reasons to replace

- Old pipes become brittle and very fragile the longer they stay in the ground.
  - They risk breaking and collapsing, resulting in sewer backups and expensive repairs needed urgently.
  - Tree roots get in old pipes reducing flow and causing back-ups.
  - There are more than 100 houses on this project, meaning the cost of work is significantly lower on the city contract opposed to hiring a contractor to complete the work on a single property.

# PRIVATE WATER SERVICE REPLACEMENT

- Replacement Standards

- Acceptable Pipe Materials:
  - Poly/Plastic
  - Copper
- Must be Replaced:
  - Lead

- Why must lead be replaced?

- A 2019 Ordinance passed requires Lead Service Lines to be replaced in the interest of public health.

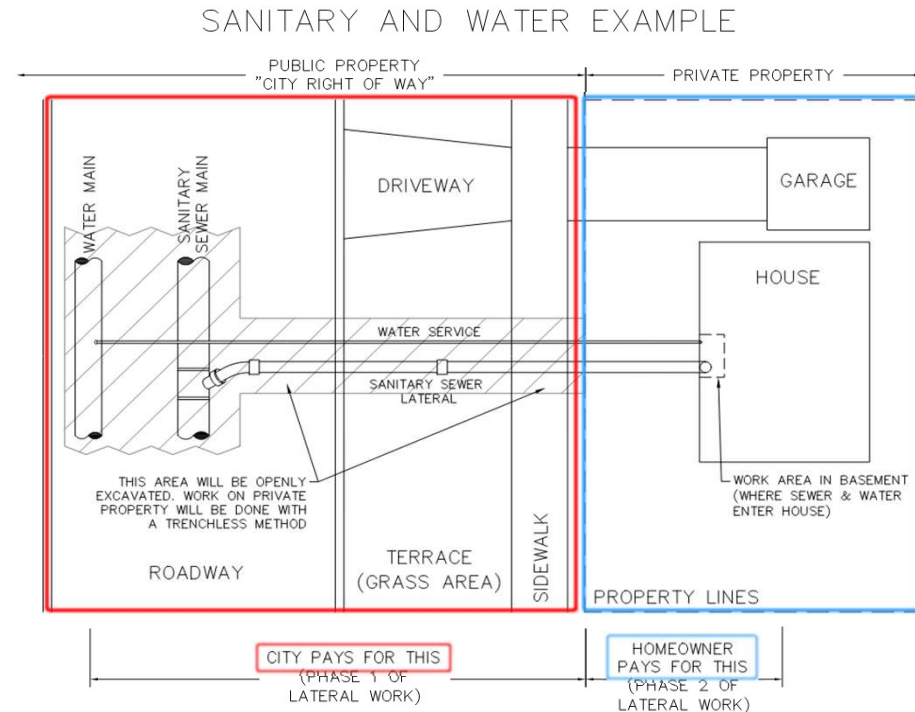
- Other reasons to replace

- Although Copper pipes are acceptable, they do not have the same long term durability that plastic services offer.
- Copper pipes tend to sweat, leaving condensation on the exterior of the pipe.
- Copper pipes are OPTIONAL to replace.



# PROJECT COSTS AND ASSESSMENTS

- City Pays for:
  - All work in the roadway including:
    - Sewer Main
    - Water Main
    - Paving Operation
    - Public Laterals (Main to Sidewalk)
    - Restoration (Grass, driveway, etc.)
- Homeowner Pays for:
  - All utility work on private property:
    - Sewer Lateral
    - Water Service
    - Interior Connections
    - Any extra Interior work as needed



Sewer Laterals are owned by and are the responsibility of the Homeowner from the basement to the sewer main in the roadway.

Water Services are owned by and are the responsibility of the Homeowner from the basement to the shutoff valve near the sidewalk.

# PROJECT COSTS & ASSESSMENTS



## SANITARY SEWER LATERAL REPLACEMENT

- \$ 2,525 for Interior work and Connections
- \$ 100 for Floor Drain (as needed)
- \$ 5/Foot for new 4" Pipe
- Average of \$ 2,775 for a house 30' back

SEWER	Description of Work	Base Fee (Includes Permits and Interior Connections)	Cost Per Foot of Lateral (Invoiced for actual footage installed)	Average Estimated Special Assessment (based on 30' house setback)	Extra Work Please Check the box if you would like this done
		4" Sanitary Sewer Lateral Pulled Into Basement	\$ <u>2,525</u>	\$ <u>5.00</u> Per Foot	\$ <u>2,675</u>



## WATER SERVICE REPLACEMENT

- \$ 2450 for Pipe Pulling Preparation
- \$ 150 for Interior Connections
- \$ 420 for new Grounding
- \$ 3/Foot for new 1" Service
- Average of \$ 3,110 for a house 30' back

WATER	Description of Work	Base Fee (Includes Permits and Interior Connections)	Cost Per Foot of Lateral (Invoiced for actual footage installed)	Mid Pit (As Necessary to complete work)	Average Estimated Cost (based on 30' house setback)
		1" Water Service Pulled into Basement	\$ <u>3,020</u>	\$ <u>3.00</u> Per Foot	\$ <u>600</u>

# PROJECT COSTS & ASSESSMENTS



## Example

- SEWER LATERAL COST

- Sewer Assessment comes from the City
- Sent out upon Project Completion (any time from Fall of 2025 to Spring of 2026)
- 30 Days to pay full amount of portion of total bill
- After 30 day window passes, remaining assessment amount will automatically roll onto property taxes
- Paid over 10 years
- Maximum interest rate of 6.00% will be applied to remaining amount
- Final interest amounts have not yet been determined

<u>Project Description</u>	<u>Amount</u>
2023 Sanitary Sewer - Kenneth Ave Area Utility Relay - Phase 3	\$2,975.00

You have the following options for payment of this special assessment invoice:

- 1) You may pay the invoiced amount in full on or before February 8, 2024, and you will not incur an interest charge. Methods of payment:
  1. Cash
  2. Check payable to City of Kaukauna
  3. Debit Card (\$3.50 fee)
  4. Credit Card (2.2% fee)

NOTE: If you pay any time after February 8, 2024, interest at the rate of 4.68% will be charged from 1/9/2024.

- 2) You may elect to use the deferred payment plan. If the invoiced amount and interest is not paid in full by February 8, 2024, you will automatically be placed on the deferred payment plan. This assessment will be amortized over ten (10) years along with interest at the annual rate of 4.68%. Your first installment will be placed on the property tax bill you receive in December 2024.

## City Ordinance 8.03 f (4)

*Reconstructed sanitary sewer laterals.* If the property owner authorizes city contractor to reconstruct the lateral from the lot line to the building(s) when the sewer main in front of the property is reconstructed, the property owner shall be assessed for 100 percent of the costs of reconstruction from the lot line to the building(s). There shall be no assessment for reconstruction of sanitary sewer laterals from the sanitary sewer main to the property line except in the case of collapse or serious defect.

# PROJECT COSTS & ASSESSMENTS



- **WATER SERVICE COST**
  - A bill for the water lead service cost will come from Kaukauna Utilities
  - Sent out upon Project Completion (any time from Fall of 2025 to Spring of 2026)
  - 30 Days to pay full amount of bill, or return a completed form requesting a financial assistance loan
  - Financial assistance loans are available on a first come, first serve basis, paid in annual installments over 10 years at an interest rate of 4.0%
    - These loans are ONLY for LEAD Service replacement, no loans are offered for copper water service replacement.
  - After 30 day window passes without payment or request for financial assistance, full bill amount will roll onto property taxes

- **13.066 Lead Water Service Line Replacement**
- *Replacement of lead service lines.*
- *Owner to replace lead service.* The owner shall, at the owner's expense, replace the lead service. In all cases, the city shall supply an appropriate connection point as part of its work. The owner may elect to:
  - Contract with State of Wisconsin licensed plumbing contractor to complete the repair. All work needed to accomplish the repair shall be done at the expense of the owner. Within 30 days of the giving of notice of deficiency under subsection (2)(a) of this Section, proof of arrangements for repair shall be provided to the Kaukauna Utility Water Department or its designee and within 30 days of the giving of notice the repairs shall be completed.
  - Have the City's retained State of Wisconsin licensed plumbing contractors, if available, complete the repair.
  - The city may, as part of any project, request unit bid prices for the calculation of the cost of making appropriate repair to the private building water laterals.
  - If available, and should the owner select this option, the owner will be charged the entire cost of making the repair. The owner may elect to pay the entire amount upon completion of the work, or the owner may request to be billed in ten annual installments or less at 4% interest, as provided and administered by Kaukauna Utilities.
- *Water system reconstruction.*
- *Inspection required.* The Kaukauna Utility Water Department or its designee shall inspect all private connections to the public water mains at the time that the utility system is to be reconstructed:
  - Any existing private lead water lateral shall be considered illegal.
  - Prior to the actual reconstruction of the water main and lateral system, each property owner shall be given written notice of the project. Such notice shall be made not less than 30 days prior to commencement of the actual work.
  - As the reconstruction progresses, the Kaukauna Utility Water Department or its designee shall inspect each private water lateral connection for the presence of lead or, in the event inspection had been made previously, determine the condition of the private water connection from inspection records.
  - In the event that the private water lateral does not contain lead, the city shall reconnect the same to the utility system at an appropriate point near the right-of-way line.
  - In the event that the private water lateral is found to contain lead, the utility water superintendent or his designee shall immediately notify the owner in writing of that fact.
- Pursuant to Section 13.066(3), the owner shall, at the owner's expense, replace the lead service. In all cases, the city shall supply an appropriate connection point as part of its work. The owner may elect to:
  - Contract with licensed contractor to complete the repair. All work needed to accomplish the repair shall be done at the expense of the owner. Within 30 days of the giving of notice of deficiency under subsection (2)(a) of this section, proof of arrangements for repair shall be provided to the Kaukauna Utility Water Department or its designee and within 30 days of the giving of notice the repairs shall be completed.
  - Have the city contractors, if available, complete the repair.
    - The city may, as part of any project, request unit bid prices for the calculation of the cost of making appropriate repair to the private building water laterals.
    - If available, and should the owner select this option, the owner will be charged the entire cost of making the repair. The owner may elect to pay the entire amount upon completion of the work, or the owner may request to be billed in ten annual installments or less at 4% interest, as provided and administered by Kaukauna Utilities.
- *Authority to discontinue service.* As an alternative to any other methods provided for obtaining compliance with the requirements of this Code regarding replacement of illegal private water laterals, the utility may, no sooner than 30 days after the giving of notice as provided in subsection (2)(a) of this section, discontinue water service to such property served by illegal private water lateral after reasonable notice and an opportunity for hearing before the city utility commission under Wis. Stats. Ch. 68.



# DECLINING PRIVATE WORK

- **Sanitary Sewer Lateral:**
  - Letter mailed the following Spring requiring lateral to be replaced per City Ordinance
  - Work would be at homeowners expense and must be completed by the deadline given
  - Failure to complete this work within the given time frame will result in a \$50/month service fee for violating the City Ordinance.
- **Lead Water Service**
  - Water service will be discontinued if not replaced. (Ordinance 13.066 [4] )
  - Copper services are acceptable and are not required to be replaced.

## Example

The City of Kaukauna has upgraded the sanitary sewer and water mains on your street within the right-of-way. Along with the mains the water service if lead and the sanitary sewer lateral if a substandard pipe material needs to be upgraded to your property located at 100 W. 1<sup>st</sup> Street. Our records indicate the second part of this work the water service and sanitary sewer lateral have not been replaced. If you have any questions about this needed work please call the Engineering Department and we can further explain this matter to you.

The following corrective measure must be completed within the next 90 days. A permit is required for this work with the City Building Inspection Department 766-6325.

- A contract must be signed with a licensed plumber or sewer and water contractor within 90 days.

The following corrective measure must be completed by June 30, 2023.

- The water service and sanitary sewer lateral must be replaced to your property before June 30, 2023

**This work shall be completed by JUNE 30, 2023.** If the work is not completed at that time, a Violation Service Fee will be assessed to the property. **A Violation Service Fee of \$50 per month** will be billed to the property owner with any unpaid balance transferred to the property taxes for violating the sanitary sewer ordinance.

### City Ordinance 13.066 (4)

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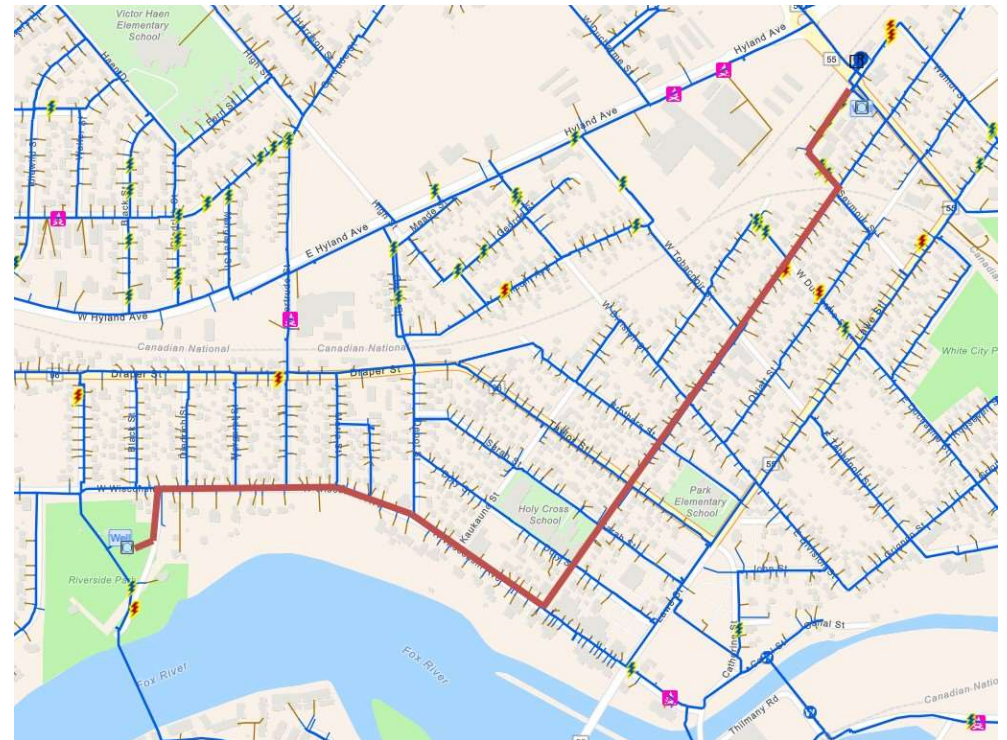
# OTHER WORK

- Gas Line Replacement:
  - WE Energies has determined that the Gas lines in this neighborhood are in need of replacement.
  - Since we will be disturbing the area they thought it would be a good time to get in, do their work, and get out before our project begins.
  - They will be starting some time in Early-April, and are anticipating being done in Mid-June.
  - They will be sending informational letters to residents in the affected areas.
  - The City will not be involved in this project. Contact WE Energies if you have any questions, comments, or concerns.



# FUTURE PROJECTS

- **Low Pressure Water Line**
  - Scheduled to take place from 2026 to 2027
  - Multiple construction methods to complete the work: Boring, bursting, and open cut
  - Any asphalt pavement from 2025 that is disturbed will be repaved following work, and any grass areas disturbed will be restored
  - Future information regarding project to come once design work is wrapping up and construction is close
  - There will not be assessments for this work
  - Kaukauna Utilities will administer the contract





# FUTURE PROJECTS

- **Concrete Street Paving**

- Takes place 5 years after completion of Utility Project
- Asphalt surface placed throughout project is temporary until concrete paving
- The Asphalt surface allows for the natural ground used to fill in the trenches during construction to settle
- You will notice spots where asphalt is not completely level after some time, this is normal and expected
- Any extreme areas of settling will be addressed within the warranty period
- Concrete Street Paving planned for 2030 in this area at this time
- There will be assessments for Concrete Street Paving at the time of construction
- Once Concrete Streets are paved, there will be no planned construction in these areas for decades



# COMMUNICATION – WEEKLY UPDATES

**PROJECT 2-23 (KENNETH AVENUE & 4TH STREET AREA UTILITY RELAY)**  
**WEEKLY SCHEDULE UPDATE FOR THE WEEK OF SEPTEMBER 18 - 22**

**PLEASE NOTE THAT THIS WORK AND SCHEDULE CAN CHANGE DUE TO WEATHER OR UNFORESEEN CONSTRUCTION DELAYS. THESE UPDATES ARE TO AID THE COMMUNICATION PROCESS AS WE ALL WORK TOGETHER TO COMPLETE THIS PROJECT.**

- NO ACTIVE WORK
- SANITARY SEWER WORK
- WATER MAIN WORK
- PRIVATE LATERALS/SERVICES
- PUBLIC LATERALS/SERVICES
- RESTORATION
- GRADING & PAVING
- NO STREET PARKING - - - - -

**NOTES:**  
 Carl Bowers will be bringing the 2nd crew back to the job site next week. The Main crew will be working on the Sanitary Sewer Main on 5th Street, then on Klein, then up Sullivan. The 2nd crew will be working on Public Laterals & Services on 5th Street between Crooks and Reaume.  
 Scott Lamers will continue working on Private Laterals & Services on 4th Street.

Thank You for joining the weekly email list! Encourage your neighbors to join too by sending an email to Taylor Conger at [tconger@kaukauna.gov](mailto:tconger@kaukauna.gov)

**PROJECT 2-23 (KENNETH AVENUE & 4TH STREET AREA UTILITY RELAY)**  
**WEEKLY SCHEDULE UPDATE FOR THE WEEK OF OCTOBER 2 - 6**

**PLEASE NOTE THAT THIS WORK AND SCHEDULE CAN CHANGE DUE TO WEATHER OR UNFORESEEN CONSTRUCTION DELAYS. THESE UPDATES ARE TO AID THE COMMUNICATION PROCESS AS WE ALL WORK TOGETHER TO COMPLETE THIS PROJECT.**

- NO ACTIVE WORK
- SANITARY SEWER WORK
- WATER MAIN WORK
- PRIVATE LATERALS/SERVICES
- PUBLIC LATERALS/SERVICES
- RESTORATION
- GRADING & PAVING
- NO STREET PARKING - - - - -

**NOTES:**  
 Carl Bowers will continue to have 2 crews on site. Both will be performing Public Sanitary Sewer Lateral and Water Service Replacement on Klein, Sullivan, and Park Street. There will be some additional water work at times that may result in water being shut off to your house.  
 Scott Lamers will NOT be on site next week.  
 Northeast Asphalt will be on site TOMORROW to mill the areas shown in Black. Next week they will be working to grade these areas with gravel, then place the asphalt pavement for a new, smooth roadway. Please stay off of the asphalt until it has had a chance to cool down. It gains its strength by being steamrolled and cooled down. Allow for an hour or two to pass before driving on it.

Thank You for joining the weekly email list! Encourage your neighbors to join too by sending an email to Taylor Conger at [tconger@kaukauna.gov](mailto:tconger@kaukauna.gov)

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# FREQUENTLY ASKED QUESTIONS

- Will Driveway Access Be Restricted?
  - Due to necessary equipment and excavation, driveways and on-street parking may be limited or restricted throughout the project
  - If Driveway and on-street parking is unavailable, park on the nearest side street
  - Contractor is required to notify residents 24 hours in advance of any driveway obstruction or street closures
  - While construction happens on your street, the road will be closed to traffic. Try to plan accordingly if you need to come and go
  - Driveways should be open on a nightly basis once construction has ended for that day
  - If you need special accommodations for parking, please reach out as we can arrange different parking options. This includes anyone with disabilities, recent surgeries, expecting mothers, and mothers with newborns that have appointments. Unfortunately, there is no “one size fits all” for parking and property access. The fewer cars that the contractor has to work around, the safer it is for everyone and the faster they can get the work done on your block.



# FREQUENTLY ASKED QUESTIONS

- Will My Lawn be Disturbed?
  - The grass area between the Sidewalk and the Road (the Terrace) will be disturbed during construction
  - There may be a need for some excavation on private property depending on existing layout and conditions of sewer and water lines. There may need to be a halfway pit dug to complete the process, or a hole may need to be excavated just outside of the house to accommodate a unique sewer pipe layout
  - Any grass areas disturbed during the project will be restored by the contractor with fresh topsoil, grass seed, fertilizer, and erosion mat
  - Watering of new grass seed will be the responsibility of the resident. An informational flyer will be provided outlining best practices for establishing new grass
  - Coordinate with the City and the Contractor regarding any decorations, landscaping, and underground dog fences
  - Restoration costs will be covered by the City

# FREQUENTLY ASKED QUESTIONS

- What will happen with Garbage & Recycling Collection?
  - The schedule for Garbage and Recycling Collection will not change
  - In order to ensure all bins are collected, the City and Contractor will provide extra help to bring bins toward the garbage truck when not easily accessed
  - Place bins in the same spot you normally would leave them
- What will happen with Mail Delivery?
  - Mail service will not be interrupted during the project

# FREQUENTLY ASKED QUESTIONS

- Will I lose Water Service during Construction?
  - There will be times where your water service will need to be turned off to complete needed work
  - Contractor will notify residents of Water Interruption 24-48 hours before that interruption begins
- Will I lose Sewer Service during Construction?
  - While the Public part of the project is happening you will not lose sewer service
  - The Private work Contractor will ask that you do not use any sewer related items while they are actively working on your sewer line. Anything that goes down the sewer lines during that work will come out at the workers



# FREQUENTLY ASKED QUESTIONS

- Will this Project be Noisy?
  - Yes. There will be times where the required construction may be very loud. Saws, excavators, and compacting machines will be running continuously throughout the life of the project
  - The Project Requirements related to noise will be followed during construction:
    - No construction related noise may be made before 7:00 am or after 6:00 pm
- Will this Project be Messy?
  - Yes. Utility and Street Construction is not easy. There will be dirt, mud, dust, equipment, and workers everywhere. The Contractor will be asked to limit the extent of scattered supplies.
  - The Contractor is required to monitor the amount of dust on the project and will be asked to use means and methods to reduce that dust. The most common practice is the use of a water truck on site during periods of limited rainfall.

# FREQUENTLY ASKED QUESTIONS

- How can I tell if my Water Service needs to be replaced?
  - Visual appearance of existing water pipe can usually determine replacement need.
  - Check your basement near the water meter. If the pipe going through the wall/basement floor is a blue, plastic material or an orange/brown copper color, you have an acceptable water service material.
  - If it is gray and has a metallic look to it, it is most likely lead and would need to be replaced.
- How can I tell if my Sewer Lateral needs to be replaced?
  - Visual appearance of existing pipes may determine replacement need, but is not always conclusive.
  - In your basement you need to find the exit point where your sewer leaves your basement.
  - If you can see a white, plastic pipe going through the basement floor, the sewer lateral may already be an acceptable sewer pipe material.
  - If the pipe exiting the floor is black and looks metallic, it is most likely cast iron in the house, and probably clay outside the house. These pipes would need to be replaced.
  - If you are unsure about the current pipe materials to your house, the City and/or Kaukauna Utilities will gladly meet with individual property owners upon request to determine if work is needed or not.

# FREQUENTLY ASKED QUESTIONS

- Will my Basement or Personal Property be destroyed?
  - It is the Contractor's responsibility to restore everything to an equal or better condition once the work is completed. This involved sweeping or cleaning up any dirt or debris tracked into and through the house during the work.
  - They have performed this work in thousands of houses under all sorts of different conditions.
  - They will ask to set up multiple appointments during the project.
    - At the first appointment they will look at the existing conditions related to the work they need to perform. Doing this gives them a good idea of what they will need to complete the work, as well as how to restore everything once they are done. Please mention any concerns you may have during this meeting with the Contractor. The more they know, the easier it will be to get the work completed and put everything back the way it was.
    - The second appointment is when they will come to perform the work needed.
  - If something is misplaced or damaged, please reach out to me or Scott Lamers Construction to resolve the matter. The work can be quite intensive and things happen from time to time.





**QUESTIONS?**



**THANK YOU**