

PROJECT 9-25
LINDA COURT UTILITY RELAY AND K4 STORMWATER BASIN IMPROVEMENTS
PUBLIC INFORMATION MEETING

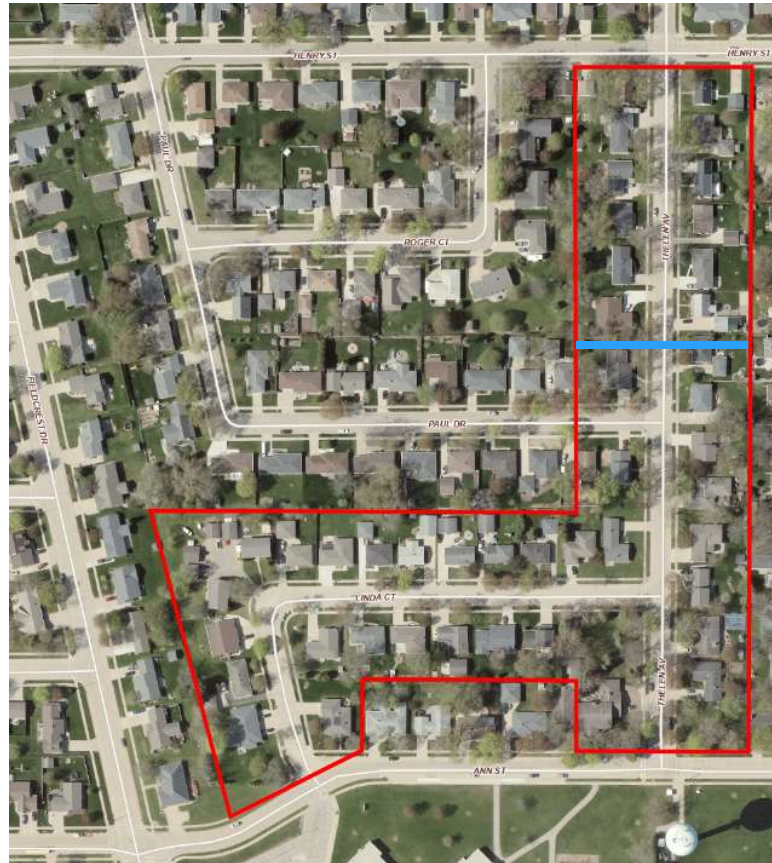


Taylor Conger
Project Engineer
City of Kaukauna

MAY 5TH, 2025

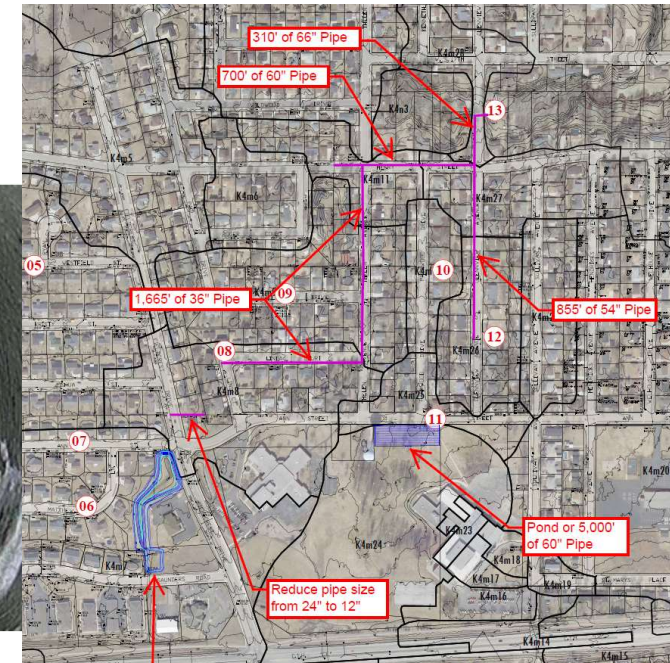
PROJECT AREAS – SANITARY & STORM SEWER AND WATER MAIN REPLACEMENT

- Linda Court
 - Ann Street to Thelen Avenue
- Thelen Avenue
 - Ann Street to Henry Street
 - Storm Sewer relay will stop between Paul and Henry



CONSTRUCTION – WHY NEEDED?

- Sewer Pipes in the area are anywhere are old, brittle, and prone to collapsing.
- Pipe Videos show cracks, holes, and other damages that warrant replacement.
- Old water mains are susceptible to breaking, resulting in urgent repairs.
- Flooding present during decent rainfall, existing storm sewer capacity can not take enough water.



Alternative Trial U: Single New 66" Outlet, route location 08 through Thelen Ave, place dry pond in Tot Park

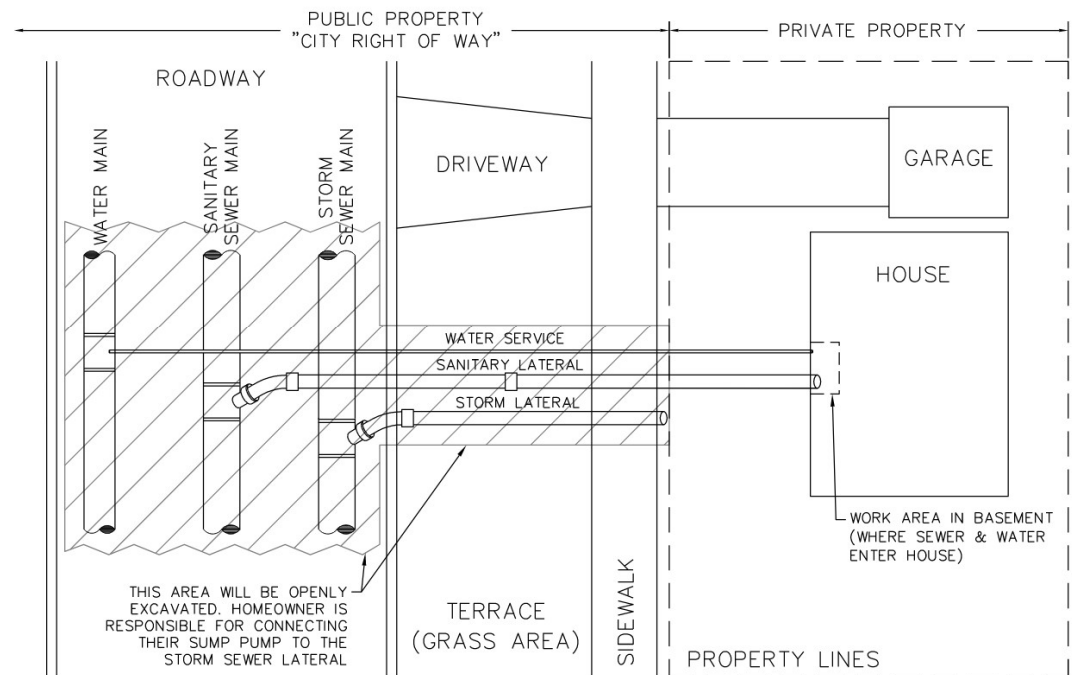
Water Surface Elevations of Stream at Pipe Outfall: 10-year WSEL / 100-year WSEL

Area of Interest	SWMM Node ID	Description	Inlet Flowline Grade	Water Surface Elevations					FLOODING DEPTH (feet)					Reduction in Flooding Depth				
				1-year	2-year	5-year	10-year	100-year	1-year	2-year	5-year	10-year	100-year	1-year	2-year	5-year	10-year	100-year
01	K4m2a	Ann Street, 150' east of Saunders Road	716.92	715.06	715.27	715.47	715.83	718.18	-	-	-	-	1.26	0.08	0.47	1.33	1.63	0.30
02	K4m3a	Travis Lane, 400' North of Ann St.	716.00	713.17	713.69	714.42	714.94	717.43	-	-	-	-	1.42	1.77	2.43	2.20	1.98	0.24
03	K4m3b	Joshua Street, 110' west of Cobblestone Court	712.95	713.80	714.03	714.37	714.63	715.15	0.85	1.08	1.41	1.68	2.20	0.04	0.04	0.04	0.04	0.01
04	K4m4a	Kristy Street, at Westfield Street	711.75	712.41	712.50	712.79	713.02	713.79	0.66	0.75	1.04	1.27	2.04	0.01	0.00	0.02	0.01	0.01
05	K4m4b	Westfield Street, between Melissa Ct. & Ryan Ct.	711.45	712.00	712.36	712.78	713.02	713.79	0.55	0.91	1.33	1.57	2.34	0.06	0.07	0.02	0.01	0.01
06	K4m7a	Matthew Lane, 400' south of Ann Street	717.70	716.99	717.93	718.56	718.98	719.85	-	0.23	0.85	1.28	2.15	0.00	0.10	0.09	0.05	0.01
07	K4m7b	Ann Street, 250' west of Matthew Lane	716.30	714.03	714.80	716.43	717.10	718.19	-	-	0.13	0.80	1.89	0.22	0.88	0.39	0.11	0.29
08	K4m8c	Linda Court, northwest corner	710.15	707.62	707.95	710.33	711.62	713.45	-	-	0.18	1.47	3.30	3.63	3.74	2.22	1.48	0.26
09	K4m9a	Paul Drive, 500' west of Thelen Avenue	709.65	706.58	707.35	709.90	710.74	711.91	-	-	0.25	1.09	2.26	3.09	2.86	1.01	0.72	1.71
10	K4m10	Parkwood Drive, mid block	710.75	707.75	709.37	711.41	711.76	712.29	-	-	0.66	1.01	1.54	1.47	1.67	0.17	0.11	0.02
11	K4m22-25	Parkwood Drive, at Ann Street	713.95	709.60	711.97	713.50	715.41	716.30	-	-	-	1.46	2.35	6.03	3.98	2.57	0.74	0.01
12	K4m26	Glenview Drive, 400' north of Ann Street	709.30	706.17	706.88	710.09	711.52	715.24	-	-	0.79	2.22	5.94	4.60	4.87	3.27	3.03	0.37
13	K4m28	Glenview Drive, 250' north of Henry Street	704.50	702.60	703.20	704.55	705.10	706.22	-	-	0.05	0.60	1.72	0.61	0.34	(0.53)	(0.61)	0.33

CONSTRUCTION – OVERALL PROJECT

- Replace all Sanitary Sewer, Storm Sewer, 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.

SEWER LATERALS & WATER SERVICE EXAMPLE

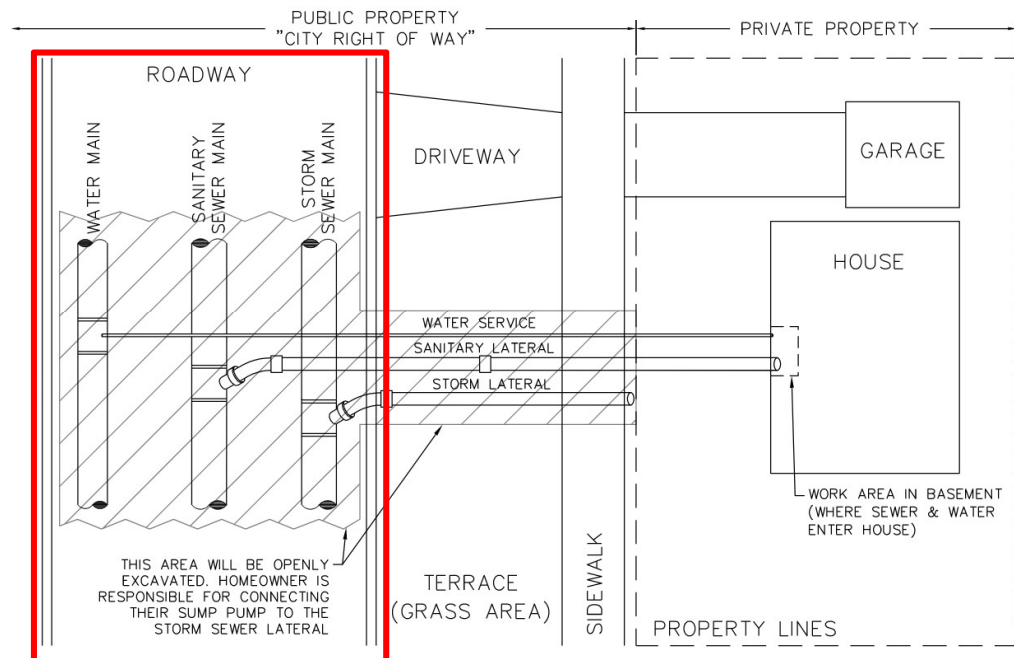


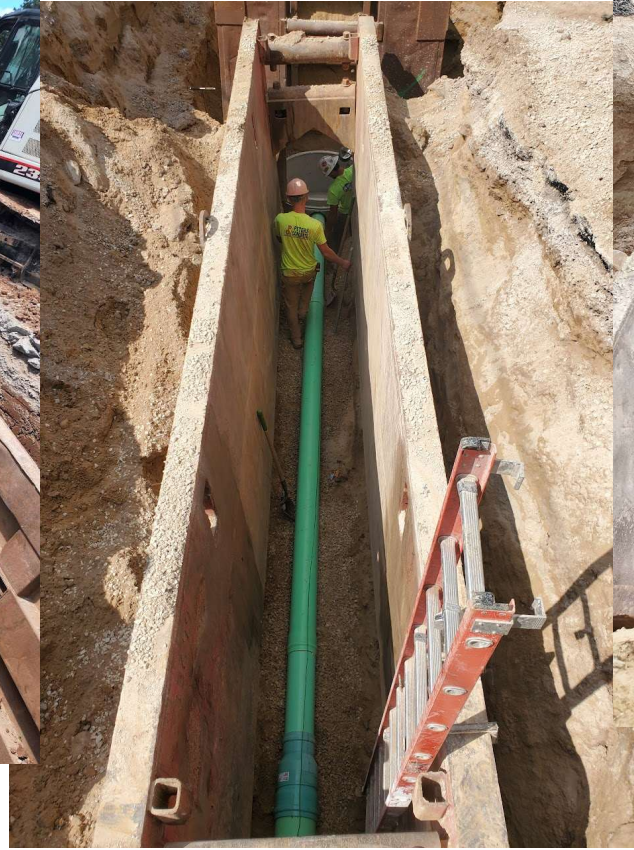
CONSTRUCTION PHASES

- **SEWER & WATER MAIN WORK**

- Work Located Primarily in the Road
- Sanitary Sewer down Centerline of Road
- Water either Left or Right of Sewer
- Storm Sewer opposite Water
- 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

SEWER LATERALS & WATER SERVICE EXAMPLE

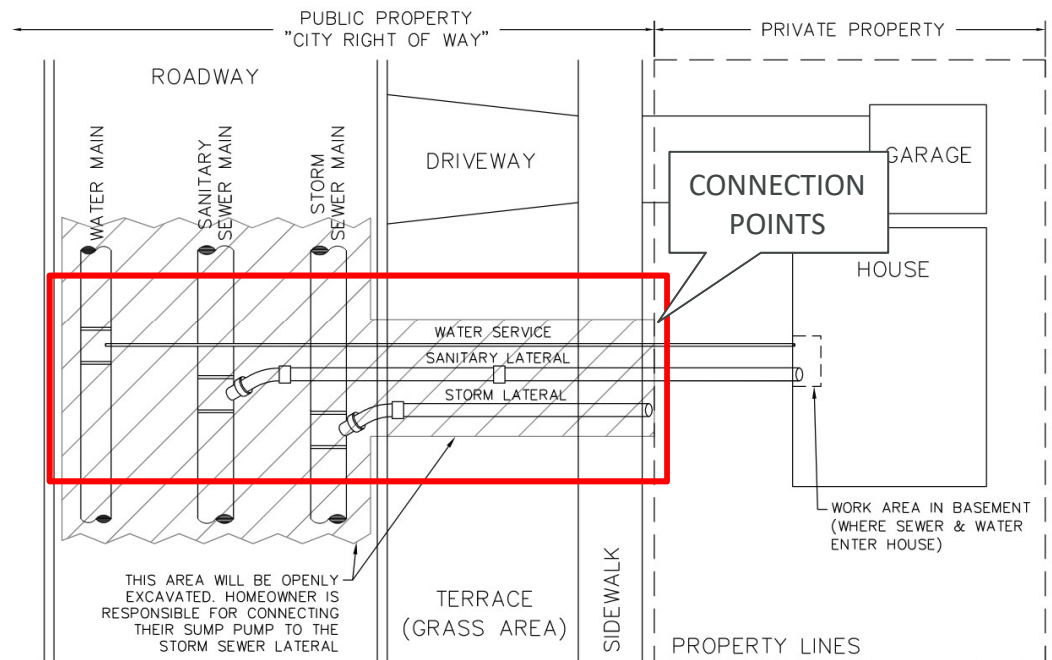




CONSTRUCTION PHASES

- **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

SEWER LATERALS & WATER SERVICE EXAMPLE

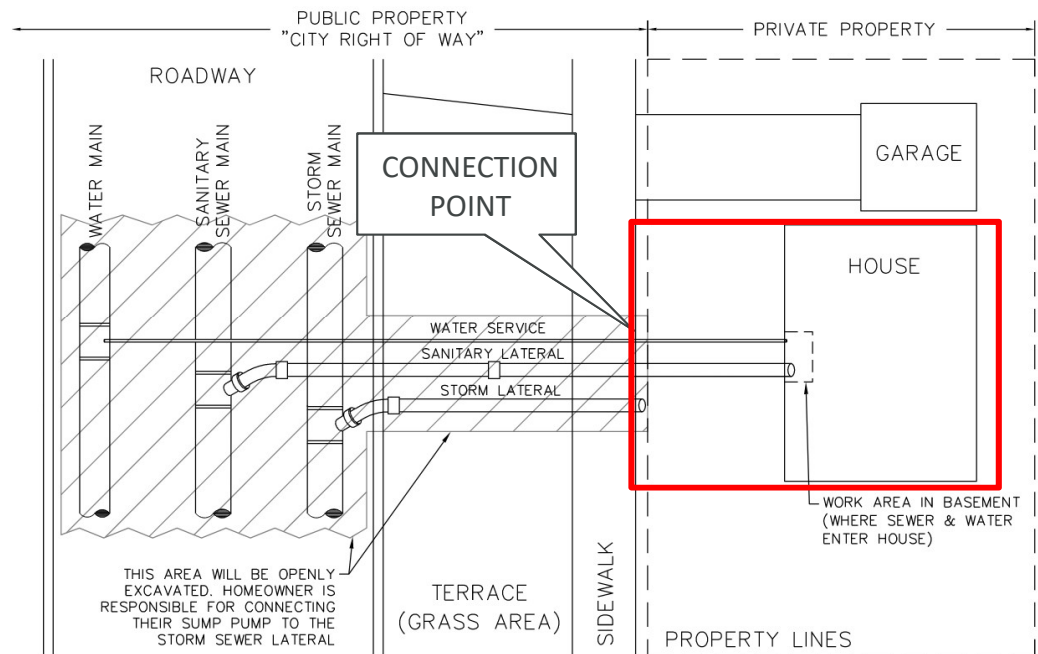




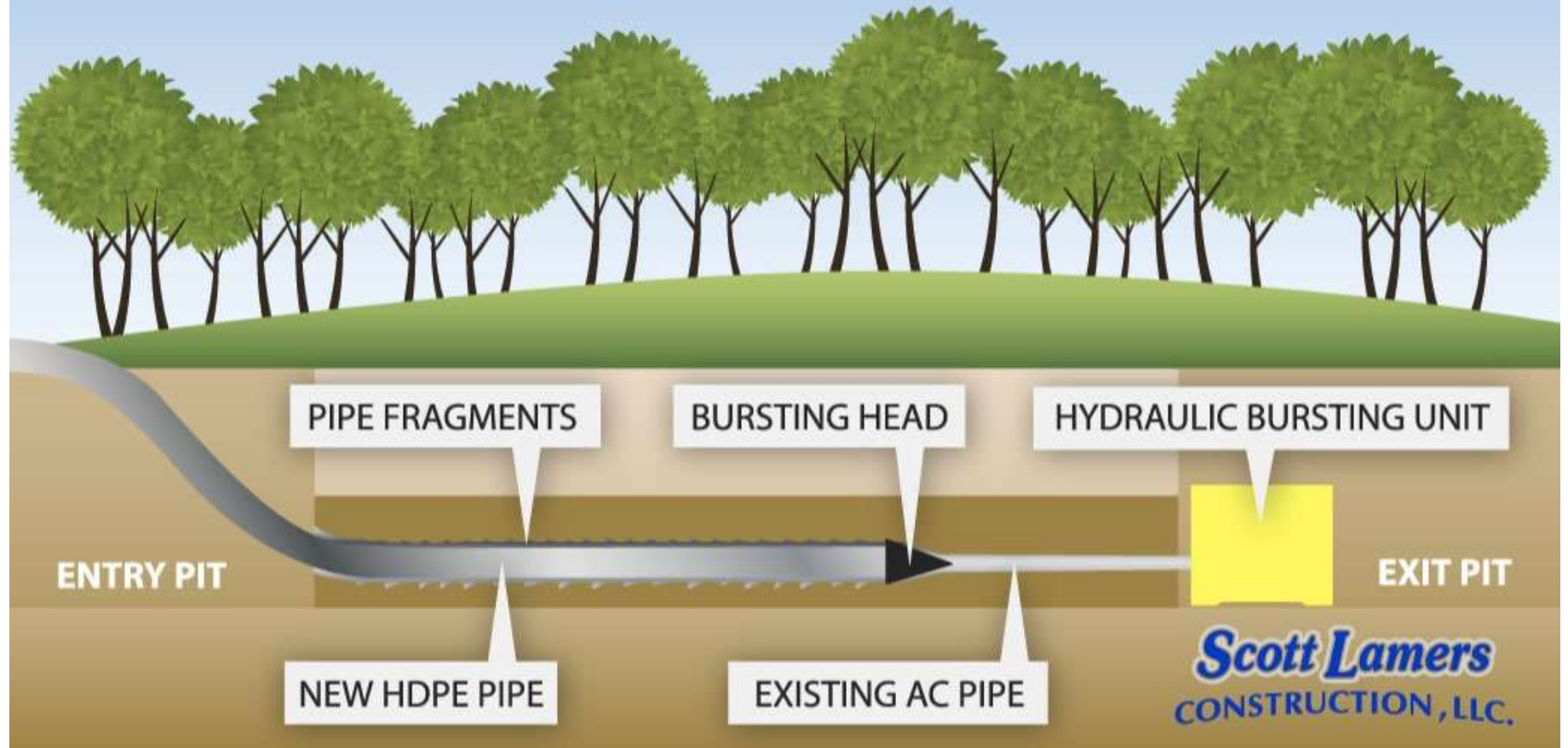
CONSTRUCTION PHASES

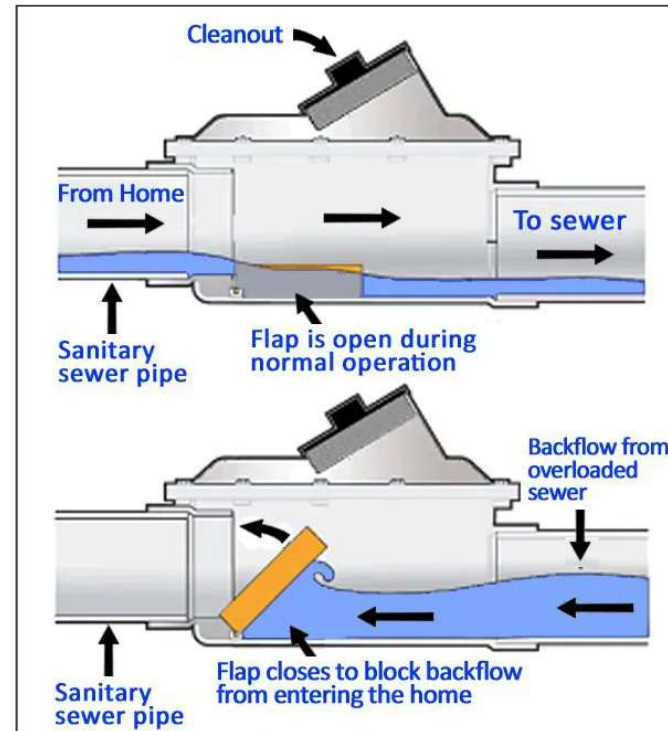
- PRIVATE Lateral Replacement
 - Work Located on Private Property
 - Connection from Public Lateral at sidewalk into Basement
 - Trenchless Repair Methods
 - One hole dug at Sidewalk, another area dug in basement
 - Basement Floor is patched with new concrete

SEWER LATERALS & WATER SERVICE EXAMPLE



Trenchless Sewer Repair Process



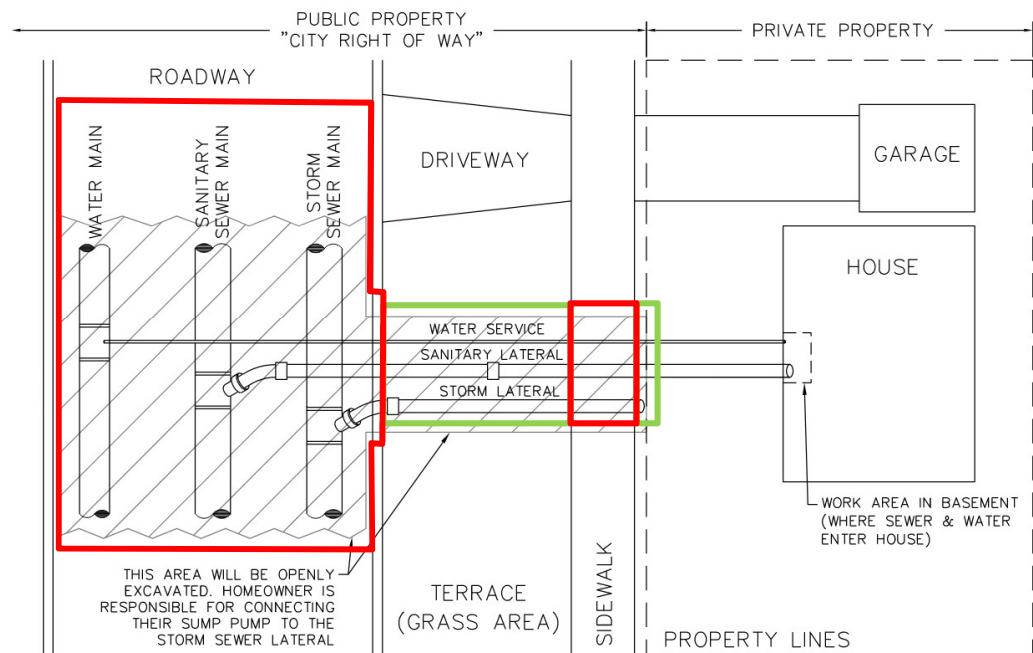


CONSTRUCTION PHASES

- **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

SEWER LATERALS & WATER SERVICE EXAMPLE







PRIVATE SANITARY 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

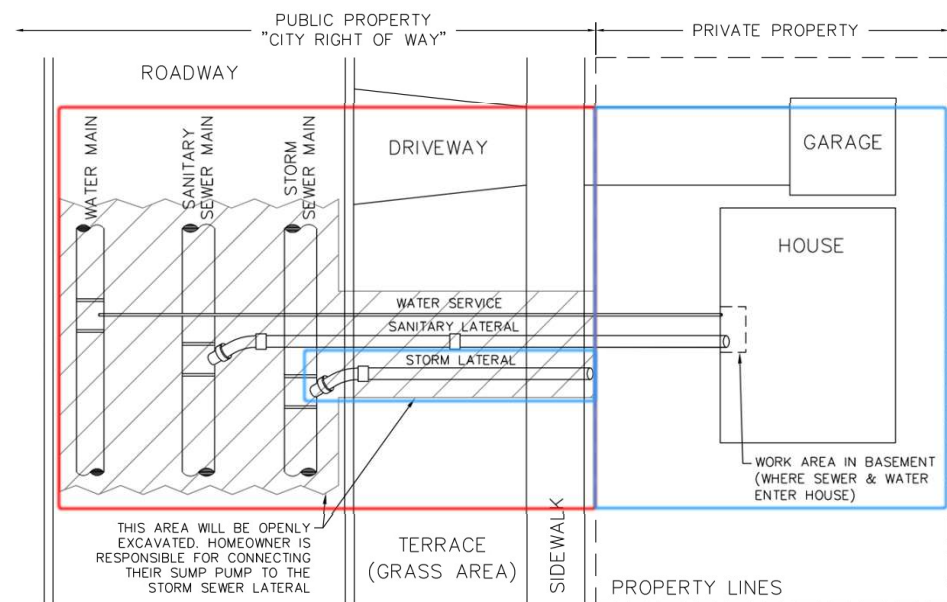
- Replacement Standards
 - Acceptable Pipe Materials:
 - Poly/Plastic
 - Copper
 - Must be Replaced:
 - Lead (none anticipated)

- 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 Sanitary Laterals (Main to Sidewalk)
 - Public Water Service (Main to Sidewalk)
 - Restoration (Grass, driveway, etc.)
- **Homeowner Pays for:**
 - All utility work on private property:
 - Sewer Lateral
 - New Storm Lateral (if applicable)
 - Water Service
 - Interior Connections
 - Any extra Interior work as needed

SEWER LATERALS & WATER SERVICE EXAMPLE



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

- \$ 2,575 for Interior work and Connections
- \$ 78.75 for Floor Drain (as needed)
- \$ 5.25/Foot for new 4" Pipe
- Average of \$ 2,735 for a house 30' back

SEWER

Description of Work	Base Fee (Includes Set-Up, Operation, 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>2,575</u>	\$ <u>5.25</u> Per Foot	\$ <u>2,735</u>	Sanitary Sewer Backflow Valve <input type="checkbox"/> Add \$105.00



WATER SERVICE REPLACEMENT

- \$ 2575 for Pipe Pulling Preparation
- \$ 158 for Interior Connections
- \$ 441 for new Grounding
- \$ 3.15/Foot for new 1" Service
- Average of \$ 3,270 for a house 30' back

WATER

Description of Work	Base Fee (Includes Set-up, Operation, and Interior Connections)	Cost Per Foot of Lateral (Invoiced for actual footage installed)	Service Reconnection & Grounding	Average Estimated Cost (based on 30' house setback)
1" Water Service Pulled into Basement	\$ 2,575	\$ <u>3.15</u> Per Foot	\$ <u>599</u>	\$ <u>3,270</u>

PROJECT COSTS & ASSESSMENTS



Example

- **SANITARY 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 <u>on or before</u> 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 <u>any time after</u> 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 <u>automatically</u> 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



Example

- **STORM SEWER LATERAL COST**

- Only newly constructed storm laterals where new storm sewer is being installed
 - Existing storm lateral reconnections are not assessed
- 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
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City Ordinance 8.03 g (4)

New storm sewer laterals. Property owners will be assessed 100 percent of the cost of installation of storm sewer lateral from the sewer main to the property lot line. Property owners are responsible for all costs of installation of sewer laterals from the lot line to their building(s).

PROJECT COSTS & ASSESSMENTS



- **WATER SERVICE COST**
 - A bill for the water service replacement cost will come from Kaukauna Utilities
 - Sent out upon Project Completion (any time from Fall of 2025 to Spring of 2026)

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.

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. 1st 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.

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-June, and are anticipating being done by the end of 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.

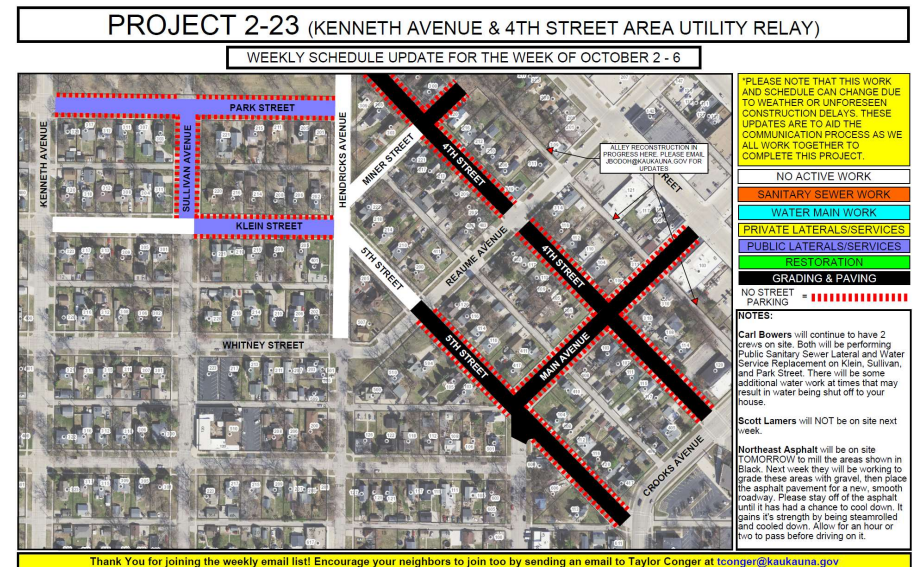
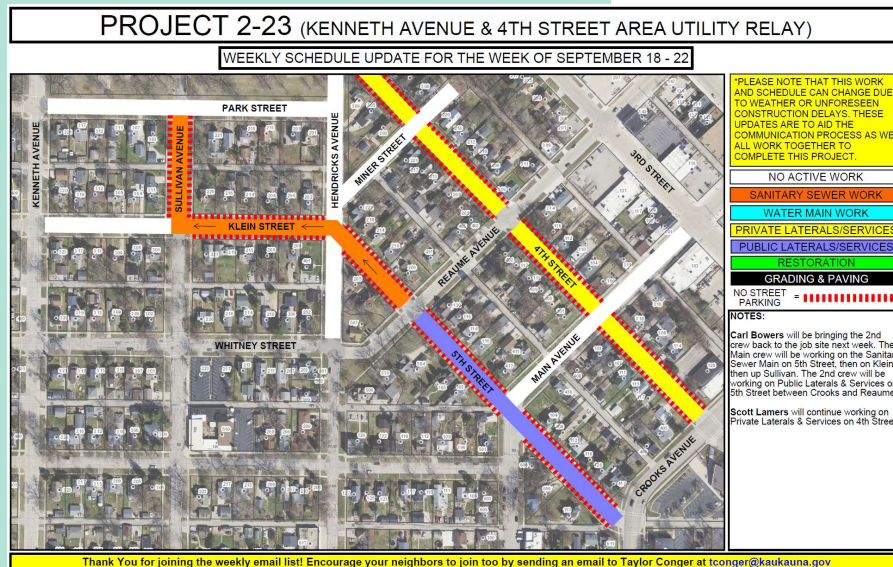


FUTURE PROJECTS

- **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



tconger@kaukauna.gov

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?
 - No water services on this job should be lead. There should be no need for mandatory replacement of any water services on this job, all replacements are optional.
- 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