THE CITY COUNCIL OF WATERLOO, IOWA
WORK SESSION TO BE HELD AT
Harold E. Getty Council Chambers
Monday, May 19, 2025
4:50 PM

RULES FOR WORK SESSION PUBLIC COMMENT

Iowa Code Chapter 21 gives the public the right to attend council meetings, but it does not require cities to allow public participation except during public hearings.The city council shall not receive any public comment during a work session.

Roll Call.

Agenda, as proposed or amended.

Approval of Minutes of the April 21, 2025, Council Work Session, as proposed or amended.

4:50 p.m. **Discussion of a sewer rate increase and Waste Management Department update.**

Submitted by: Bridgett Wood, Finance Director, Randy Bennett, Public Works Division Manager

ADJOURNMENT

Kelley Felchle
City Clerk

April 21, 2025

COUNCIL WORK SESSION
Harold E. Getty Council Chambers

Roll Call.

Members present: Mayor Quentin Hart in the Chair. Mr. Boesen, Mr. Nichols, Mr. Chiles, Mr. Simon, Ms. Wilder and Mr. Feuss. Ms. Creighton-Smith was absent.

Agenda, as proposed or amended.

Nichols/Wilder
that the agenda as proposed be approved. Voice vote-Ayes: Six. Motion carried.

Approval of Minutes of the April 7, 2025 work session as proposed or amended.

Nichols/Wilder
that the minutes of the April 7, 2025 Council Work Session, as proposed or amended, be approved. Voice vote-Ayes: Six. Motion carried.

Update from the Sanitation Department.

Randy Bennett, Public Works Division Manager, provided an overview of the structure of the Sanitation Department. Scott Brunson, Sanitation Director, provided an overview of the Waterloo WYRE App and the improvements and benefits it provides.

Mr. Chiles questioned if the city would look to bring recycling in-house in the future.

Randy Bennett explained that the city is currently under contract with recycling services. However, before the contract expires, they can look at the pros, cons, and costs of a change.

Mr. Boesen questioned when the go back charges would begin.

Randy Bennett explained that it will take a while but hopefully by fall.

Mr. Boesen questioned how long the dumpster locking ordinance has been in effect.

Randy Bennett explained that, unfortunately, he was not aware it was in the ordinance until recently.

Mr. Nichols questioned how to report waste alongside the road.

Randy Bennett explained that citizens can use the app to report an issue.

Mr. Simon commented that, for example, what happens if someone reports a nuisance, like a chair sitting out in front of someone's house.

Randy Bennett explained that a clean-up like that would first go through code enforcement to give them a chance to rectify the problem.

ADJOURNMENT

Feuss/Chiles
that the council adjourn at 5:09 p.m. Voice vote-Ayes: Six. Motion carried.

_____
Kelley Felchle
City Clerk

CONSENT DECREE FINALIZATION/ CRITICAL PROJECT LIST CITY OF WATERLOO WASTE MANAGEMENT SERVICES

CITY OF WATERLOO
Waste Management

Sewer Rates after Increase

- Minimum monthly charge $22.15 (includes first 3 CCF)
- Minimum quarterly charge $66.44 (includes first 9 CCF)
- Per CCF over minimum monthly charge $3.55 per CCF

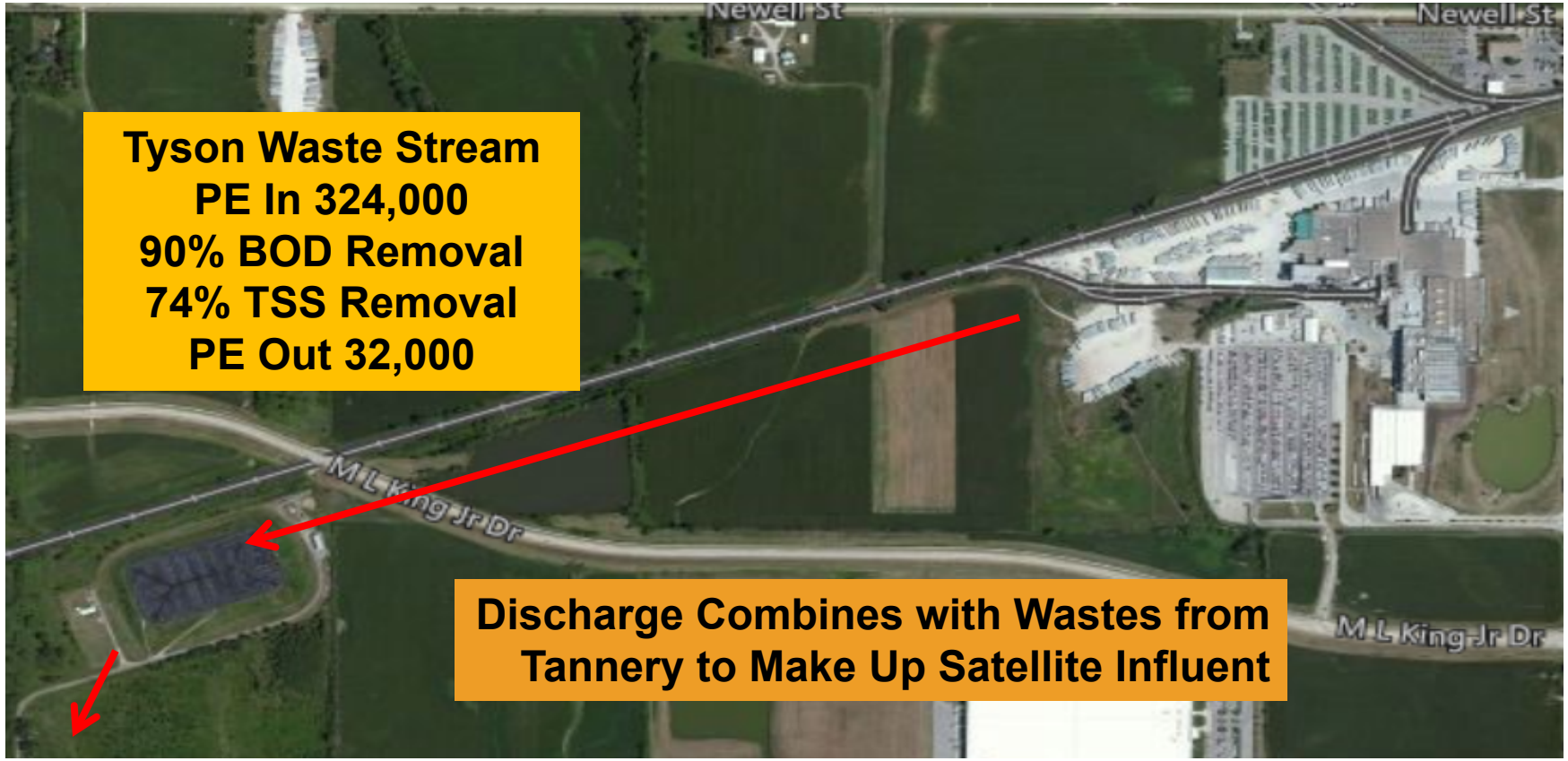
The average residential user cost will rise by $1.90 per month, while the minimum quarterly charge will rise by $3.16.

Concent Decree Background

- Consent Decree October 2015
- Master Plan Submitted to EPA December 2017
- Amended Master Plan 2020
- Final Amended Master Plan 2023
- 1 Year Demonstration Period began August 2023
- Demonstration Period extended to May 15, 2025
- Termination Request sent to EPA May 13, 2025

Project #1 the Anaerobic Lagoon

The Anaerobic Lagoon is a critical Asset to WMS treatment capabilities. It treats a Population Equivalent of 324,00 People. The Anaerobic Lagoon takes effluent waste from Tyson Fresh Foods. Without a properly functioning Anaerobic Lagoon Downstream Wastewater Treatment would be overwhelmed with pollutants.



Project #1 Capital Improvement Needs at Anaerobic Lagoon

Waterloo, Iowa

Anaerobic Lagoon Upgrades

5/13/2024

Funded by State Revolving Fund (SRF)

		Budget
Lagoon Cover Removal	$	300,000
Lagoon Cover	$	1,500,000
Lagoon Cleaning	$	1,000,000
Piping and Supports	$	800,000
Flare/Gas Safety Equipment	$	400,000
Bldg/Blower Upgrades	$	200,000
Electrical Upgrades	$	100,000
Site Work	$	50,000
subtotal	**$**	**4,350,000**
Contingencies @ 30%	$	1,305,000
subtotal	**$**	**5,655,000**
Planning, Design, Bidding, Construction Engr	$	1,131,000
Total	**$**	**6,786,000**

Project #2 Cattle Congress Lift Station/Force Main

The Cattle Congress Lift Station is a wet pit plus dry pit type wastewater pumping station originally constructed in 1961. This lift station is a major conveyor in the City of Waterloo collection system and is in dire need of replacement

Project #2 Cattle Congress Lift Station/Force Main

Take-Home Points:

- **Design Agreement in place with AECOM at cost of $250,000**
- **Construction Cost expected to be $3.2 Million**
- **Construction Related Services Expected to be $250,000**
- **Issues expected with Sovern Lands and Land Clearance**
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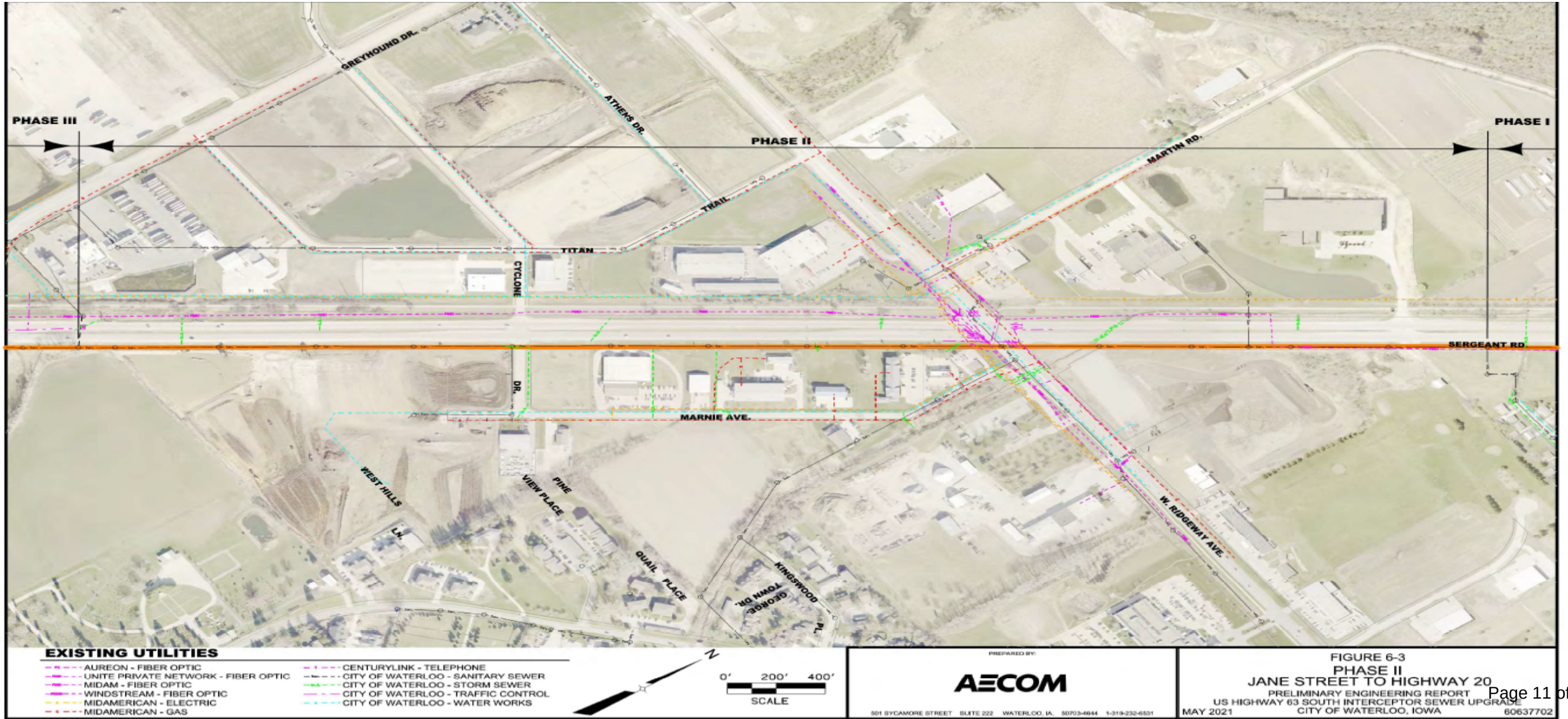
Project #3 Phase 2 Highway 63 Lift Station and Collection System Improvements

Phase 2 Highway 63 Sanitary Sewer Improvements improves Highway 63 Sanitary Sewer Collections from Jane Street to the Highway 20 Intersection. Phase 2 is critical to economic growth to this area in Greyhound Park and residential sewer conveyance to the East of Ridgeway Ave



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Take-Home Points:

- **Need to enter into Engineering Design Agreement with at cost of $600,000**
- **Construction Related Services Cost expected to be $600,000**
- **Construction estimated at $6.0 Million**
- **Total Construction Cost expected $7.2 Million**
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Project #4 Airline Highway Lift Station and Collection Systems Improvements to No Name Creek;

With the recent economic developments on Leversee Road, (Northwest Industrial Park), downstream Lift Station Improvements are necessary at Airline Highway Lift Station and Collection System to No Name Creek

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Take-Home Points:

- **Need to enter into Engineering Design Agreement for lift station only with a cost of $300,000**
- **Construction Related Services Cost for lift station only expected to be $300,000**
- **Construction for lift station only estimated at $3.0 Million**
- **Total Construction Cost for Lift Station expected $3.6 Million**
- **Cost for Collection system improvements downstream still being vetted by consulting engineer**
- **Funded by TIF Funds**

Project #5 Titus Lift Station/Force Main

Expected finish
Summer 2025

This is the last required element of the Consent Decree. Construction started March 2024. Construction of this new Lift Station and Force Main redirects wastewater conveyance down Broadway and relieves pressure on smaller lift stations like Virginia. This lift station will eliminate SSO's and will address very old infrastructure. Picture below is current lift station to be demolished.

Project #5 Titus Lift Station/Force Main

Expected finish
Summer 2025

Take-Home Points:

- **Design with AECOM at cost of $470,000**
- **Construction Related Services Cost expected to be $595,000**
- **Construction bid at $6.2 Million**
- **Total Cost $7.265 Million**
- **Picture below is representation of what newly**

Project #6 Ongoing Cure in Place Pipe.

This is the annual targeted area to perform CIPP on existing infrastructure.

- Annual CIPP Budget Currently @ $1,000,000 a year
- Assists in reducing infiltration and inflow (I & I)

Project #7 Liquid Improvements/Nutrient Reduction Engineering Design Phase 2

WWTP History

- 1990s: Most of the facilities were constructed
  - Two plants were constructed side-by-side
  - ~20 year life (+/-)
- 2012: One plant was “mothballed” because the capacity wasn’t needed and it was costly to operate.
- 2024 Plans in place to re-activate “mothballed” Satellite plant to meet DNR Requirements
- 2017/18: Major planning effort in conjunction with DNR required nutrient removal study
  - Phased WWTP upgrades recommended
  - Ultimately combine the two plants to provide capacity while meeting DNR requirements for Nutrient Reduction
  - $101 million in three phases. Phase 1 Biosolids Improvements Completed at cost of $18 Million
  - Phase 2 Cost in 2024 Dollars at $51 million

Project #7 Liquid Improvements/Nutrient Reduction Engineering Design

Take-Home Points:

- **WWTP capacity needs to be expanded or Economic growth/industry/jobs will be impacted**
- **Lowest cost plan is still to combine the plants while achieving nutrient reductions per DNR requirements**
- **~$94 million total cost (2023 dollars)**
- **Next phase is to increase capacity while removing nutrients ~ $51 million (2024 dollars)**
- **Timing is becoming critical as the next phase will take 5 years to provide the needed capacity**
- **COST TO BEGIN DESIGN $ 3,060,000 2024 Dollars**
- **Easton Plant Built -1998**
- **Satellite Plant Built - 1996**

In House rehabilitation of Lift Stations

- Updating electrical controls, alarm systems and Programmable Logic Controllers (PLC)
- PLC will integrate with Fiber Backbone to allow stations to be visible via city's current Supervisory Control and Data Acquisition (SCADA) system
- Replacement of outdate mechanical systems (pumps, valves, piping)
- Bringing equipment up to present day standards

In House rehabilitation of Sanitary Lift Stations

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- Sewer Cleaning equipment aging
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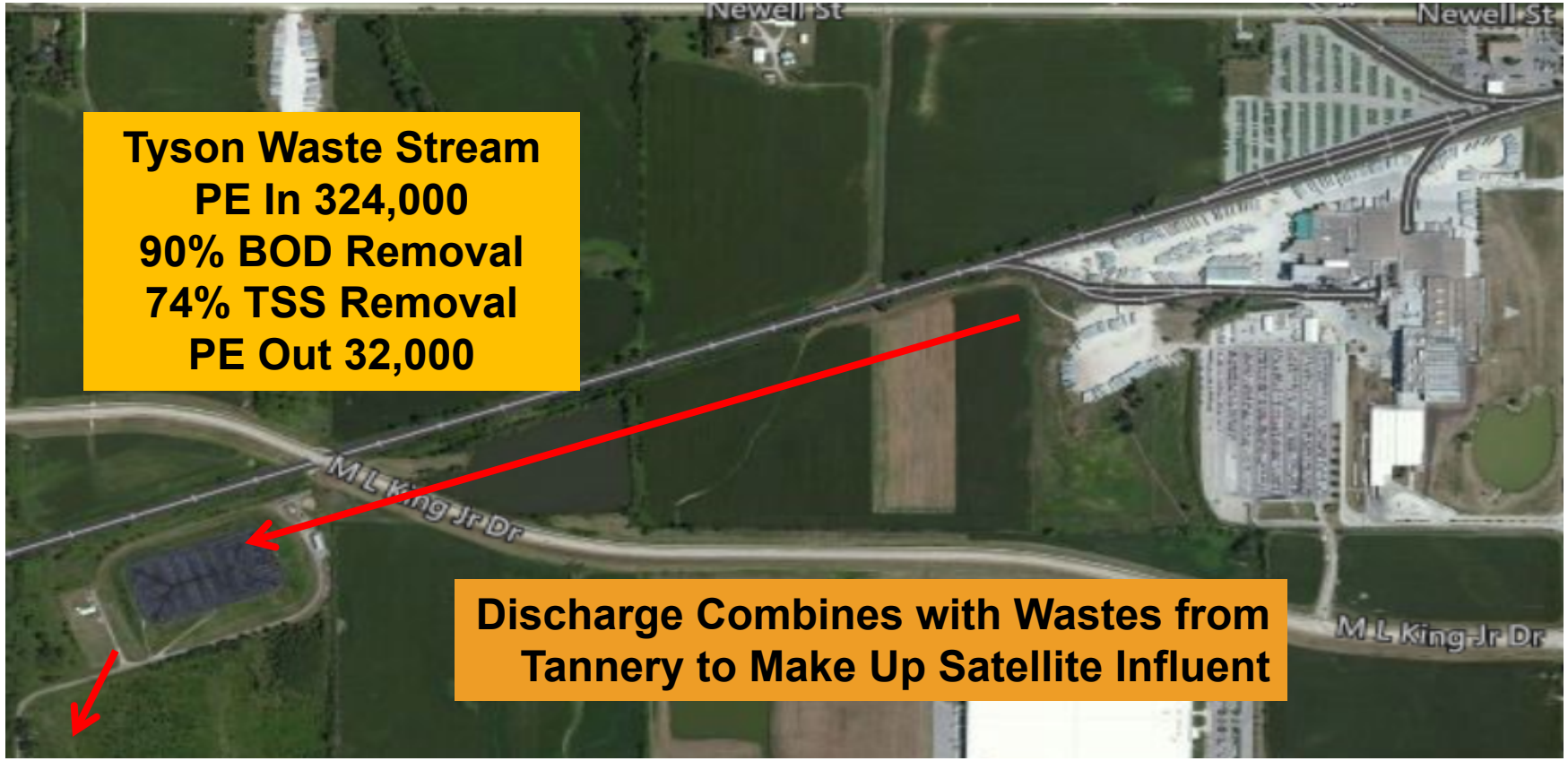

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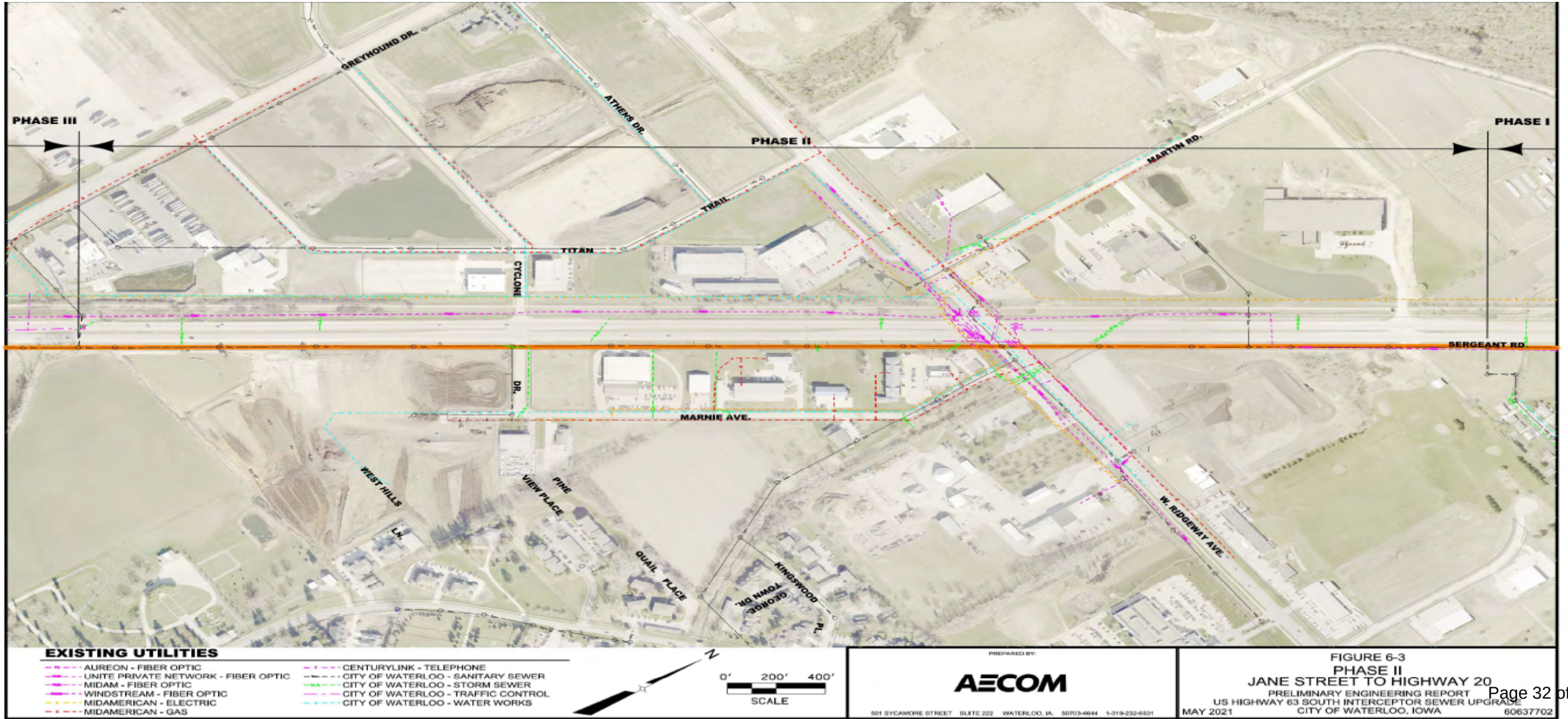

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