



KINGSTON REGIONAL STORMWATER TREATMENT FACILITY

Kingston Community Advisory Council Update

February 09, 2022

Kitsap County Public Works - Stormwater Division



TEAM

Shawn Alire – KCPW Stormwater Asset Manager

Tim Beachy, P.E. – KCPW Capital Project Manager

Phil Struck – consultant team Project Manager





PRESENTATION OVERVIEW

- ▶ Project Purpose and History
- ▶ Regional Plan and Service Area
- ▶ Design and Construction
- ▶ Connection Process and Costs
- ▶ Questions



PROJECT PURPOSE AND HISTORY

PURPOSE:

- ▶ Improve water quality
- ▶ Address stormwater treatment system deficiencies

HISTORY:

- ▶ Regional Plan completed in 2019
- ▶ State grant obtained 2021

WHY A REGIONAL FACILITY?

- ▶ Serve larger basin not just one property or site
- ▶ Economies of scale: less costly to design, build and maintain
- ▶ Effectiveness - typically perform better over time



REGIONAL PLAN FRAMEWORK

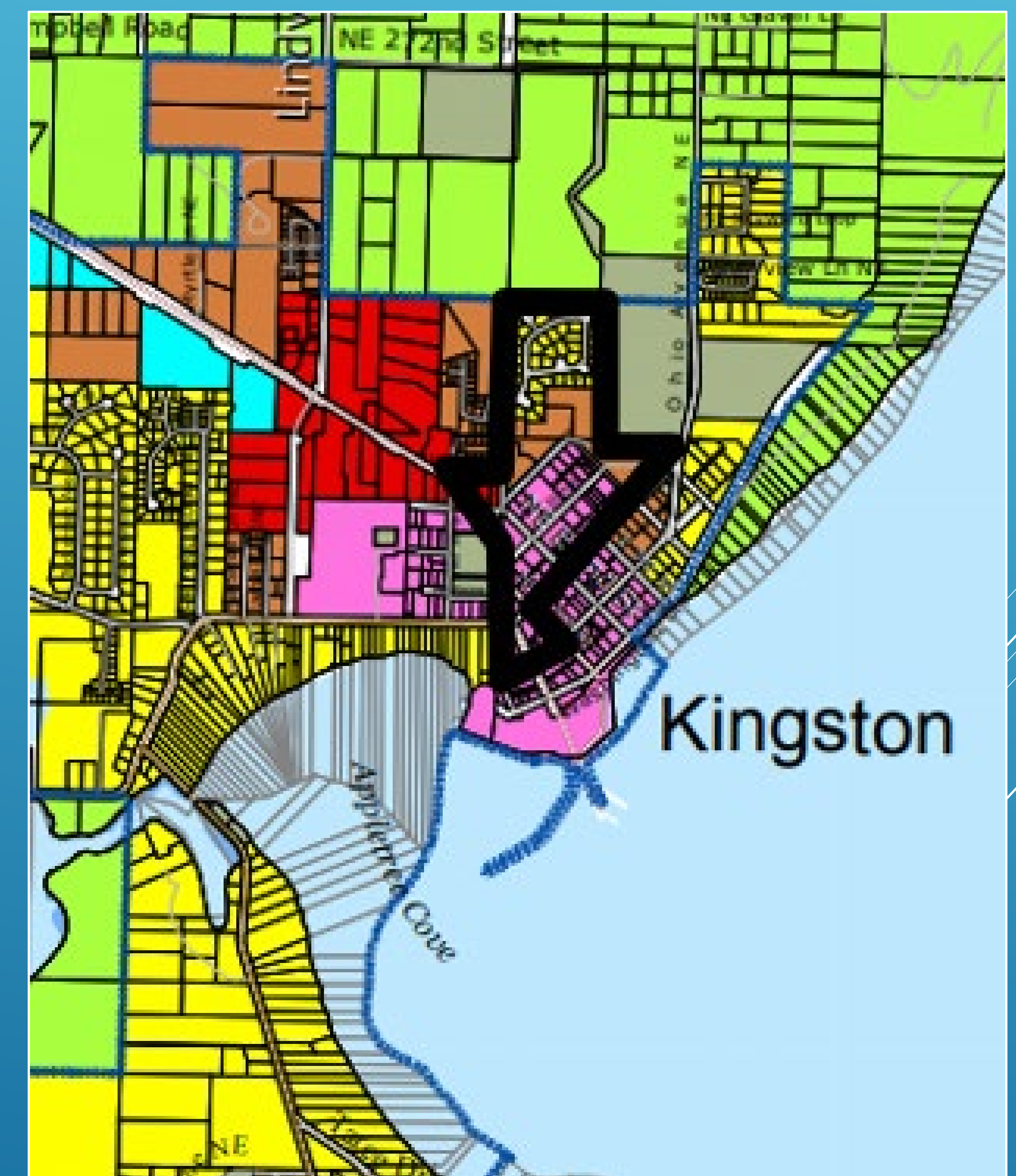
- ▶ Kitsap County constructs, maintains and owns
- ▶ Majority of treatment capacity (~75%) for existing streets and development
- ▶ 25% of capacity available for new development and re-development within service area
- ▶ New development uses County regional facility in lieu of private on-site facilities
- ▶ New/re-development pays Kitsap County a connection charge based on impervious surface



SERVICE AREA



- Older infrastructure
- Higher development density
- Minimal water quality treatment





CONNECTION PROCESS AND COSTS

- ▶ Capacity available for full build out of Service Area
- ▶ Cost based on impervious area; in range of \$1sf/TIA
- ▶ Final connection process and cost to be determined at project completion
- ▶ Kitsap County performs and pays for O&M
- ▶ Time and cost savings compared to on-site facility

Table 5-5. Cost Comparison for Typical Development Project (with 10,000 sq-ft new impervious surfaces).

COST ELEMENT	DEVELOPMENT AND STORMWATER MGMT. SCENARIO		
	RESIDENTIAL ON-SITE	COMMERCIAL ON-SITE	KINGSTON REGIONAL FACILITY
Engineering Design	\$20,000	\$21,000	\$5,000 ¹
Flow Control and Treatment ²	\$20,000	\$49,000	\$8,670
TOTAL	\$40,000	\$69,000	\$13,670
<i>Cost Savings Due to Regional Facility</i>	<i>\$26,330</i>	<i>\$55,330</i>	<i>-</i>

¹ Assumes abbreviated engineering report.

² Does not include costs to implement on-site stormwater management elements required under MR 5.



OTHER REGIONAL FACILITIES IN KITSAP COUNTY



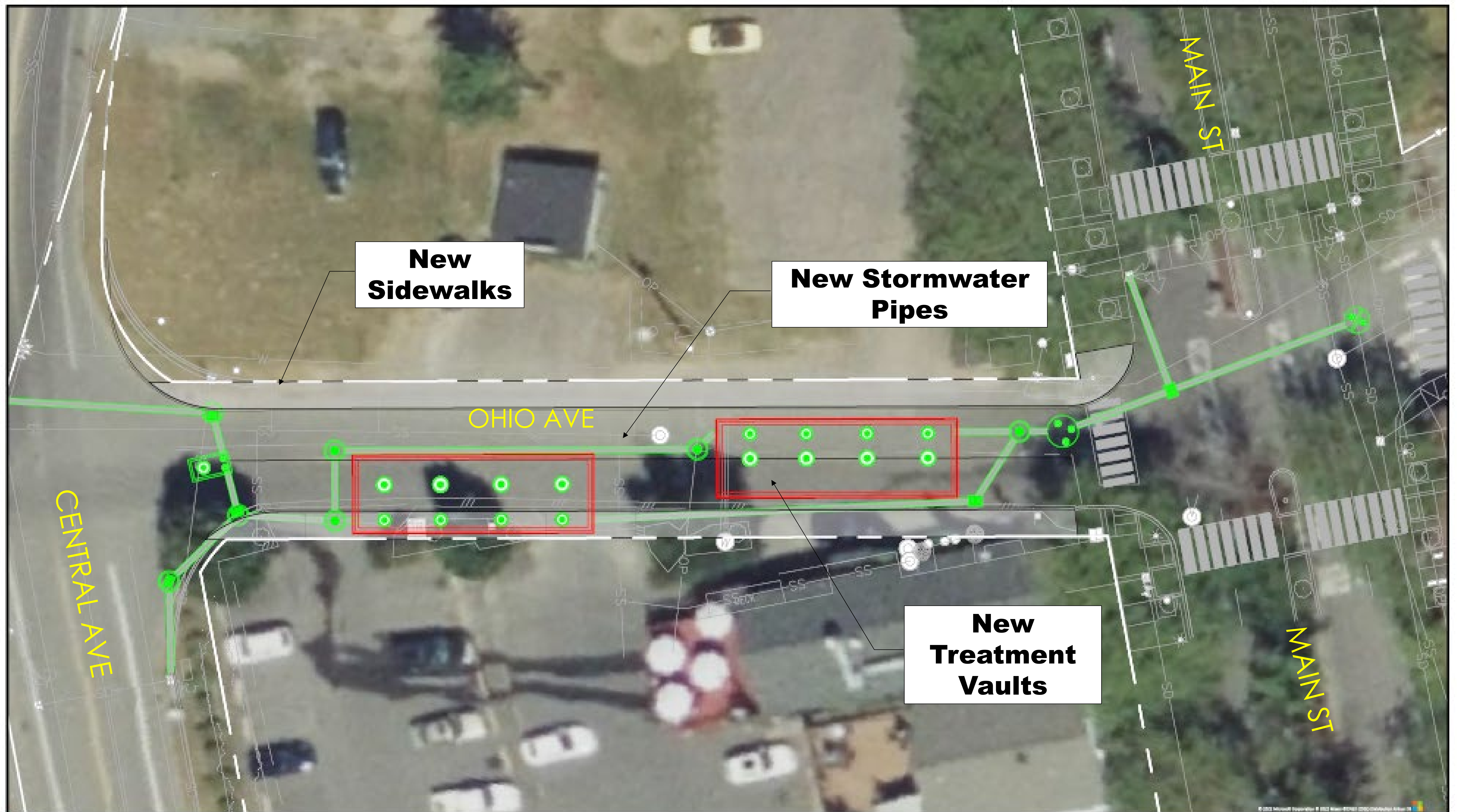


PROPOSED TREATMENT LOCATION

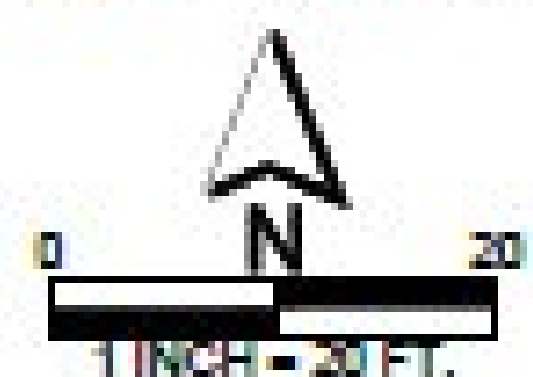




PROPOSED LAYOUT – OHIO STREET



Parametrix DATE: February 2, 2022 FILE: 2022-02-02_NO_MTD



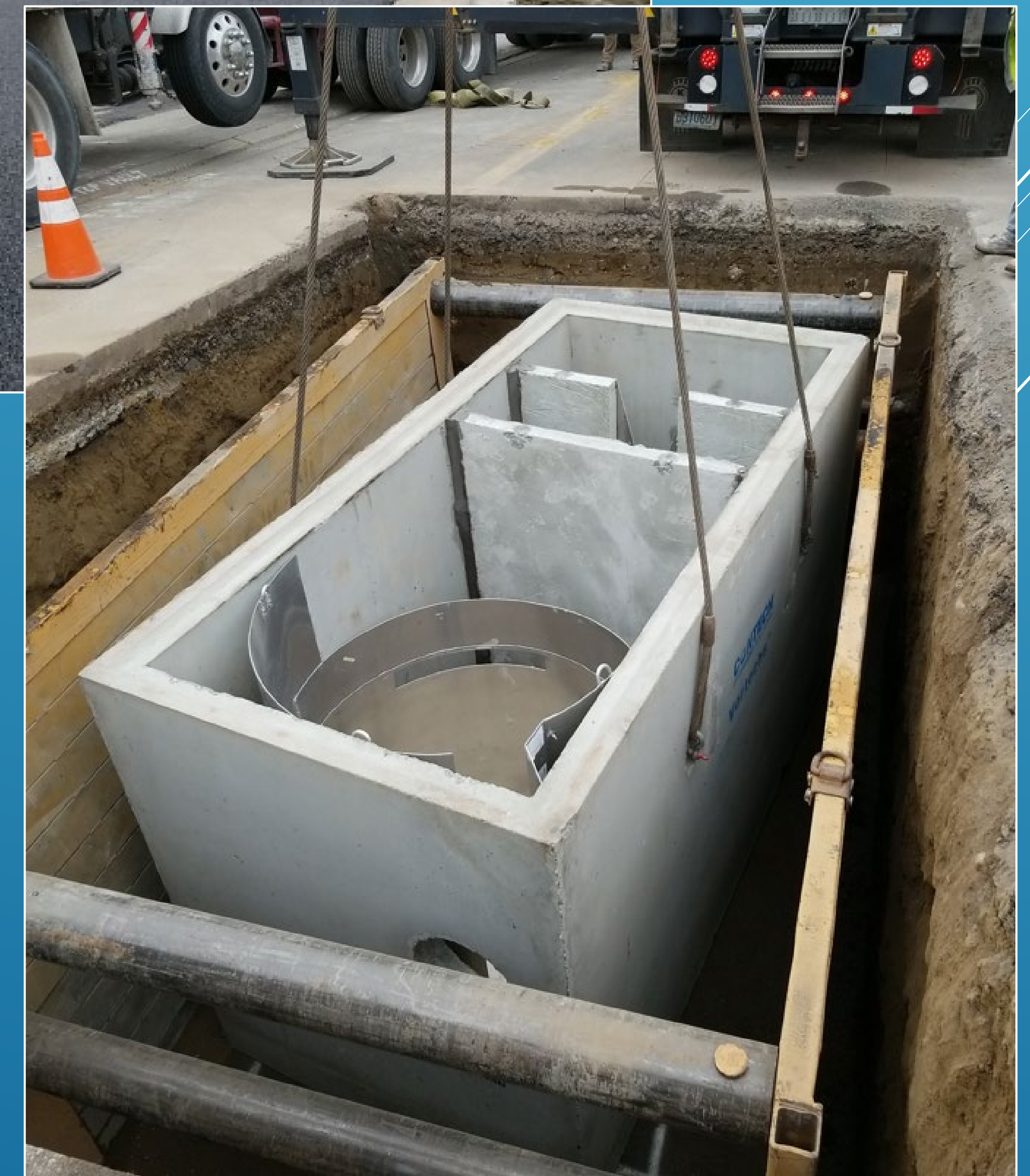
FEBRUARY 2, 2022 - PRELIMINARY

Ohio Street Configuration
KINGSTON REGIONAL STORMWATER TREATMENT



CONSTRUCTION PLAN

- ▶ Construction 2023
- ▶ 60 days
- ▶ Traffic control to minimize travel disruptions
- ▶ Future community updates prior to construction





SUMMARY

- ▶ Improves water quality
- ▶ Supports sustainable economic development
- ▶ Construction 2023
- ▶ Available to connect fall 2023
- ▶ Future community updates in 2022 and 2023





NEXT STEPS

ACTIVITY	ESTIMATED COMPLETION
Final Design	Summer 2022
Advertise for Construction	Fall 2022
Construction	2023
Connection charge approved By County Commissioners	Summer 2023
Develop connection permitting process	Summer 2023
Available for Connection	Fall 2023
Community Updates	Fall 2022, Spring 2023



QUESTIONS?

For Further Information:

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