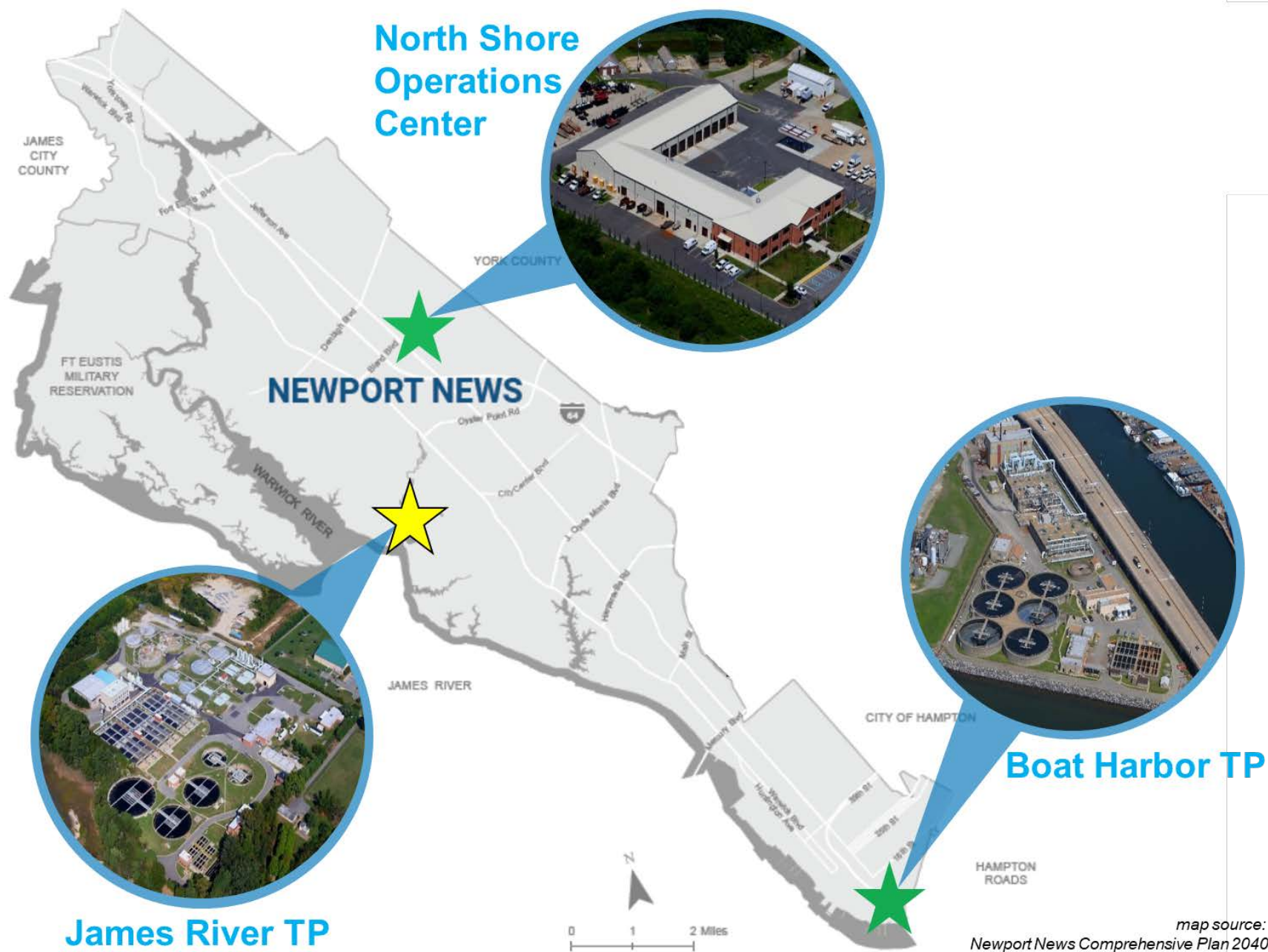




James River SWIFT and ANRI Project Update

**Potomac Aquifer Recharge
Oversight Committee
September 26, 2022**

**Lauren Zuravnsky, P.E.
Chief of Design & Construction - SWIFT**



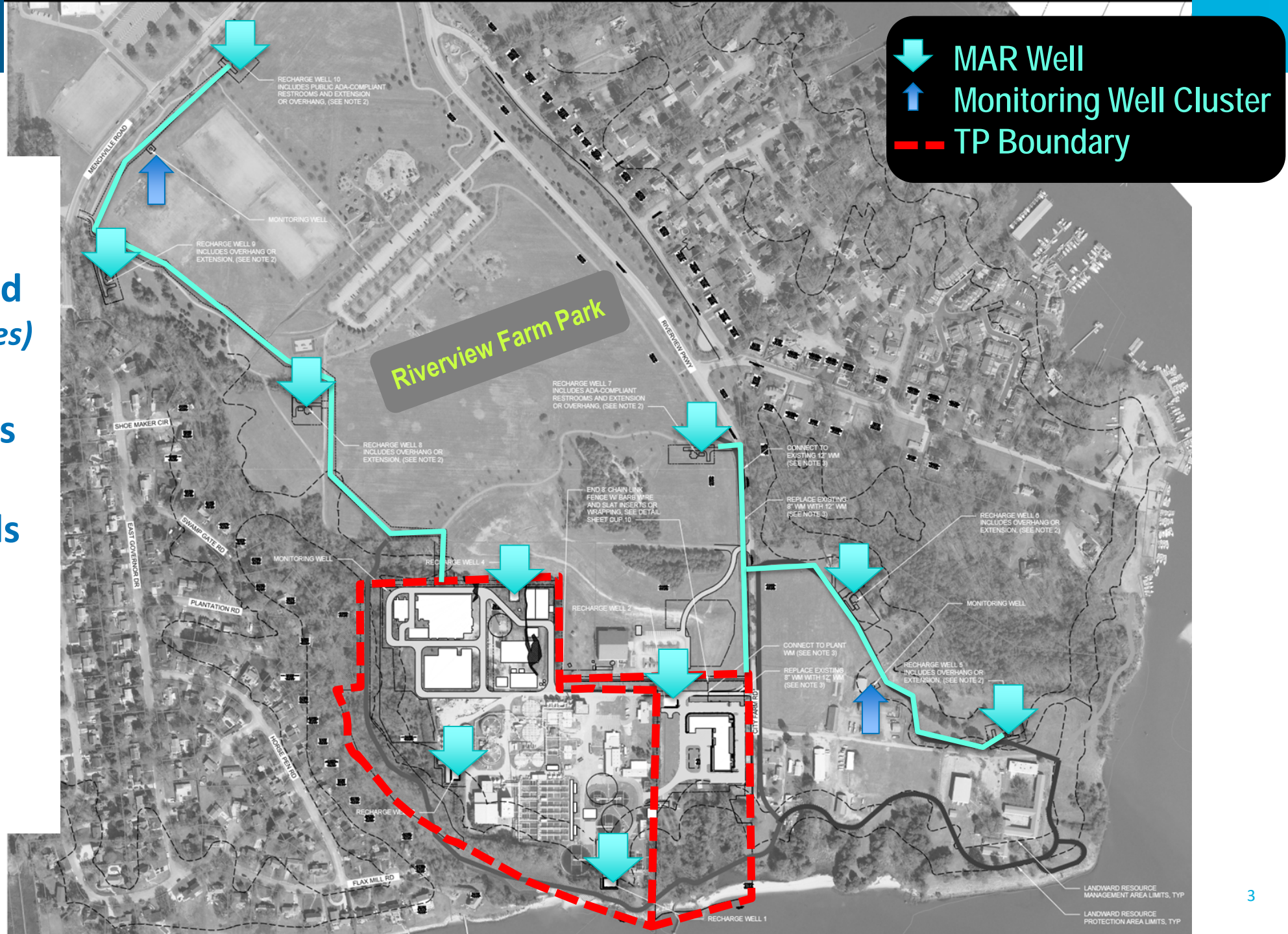
Current Projects

\$534 M Design Build
(*SWIFT + ANRI Upgrades*)

\$14 M On Site Wells

\$40 M Off Site Wells

**other capital projects*

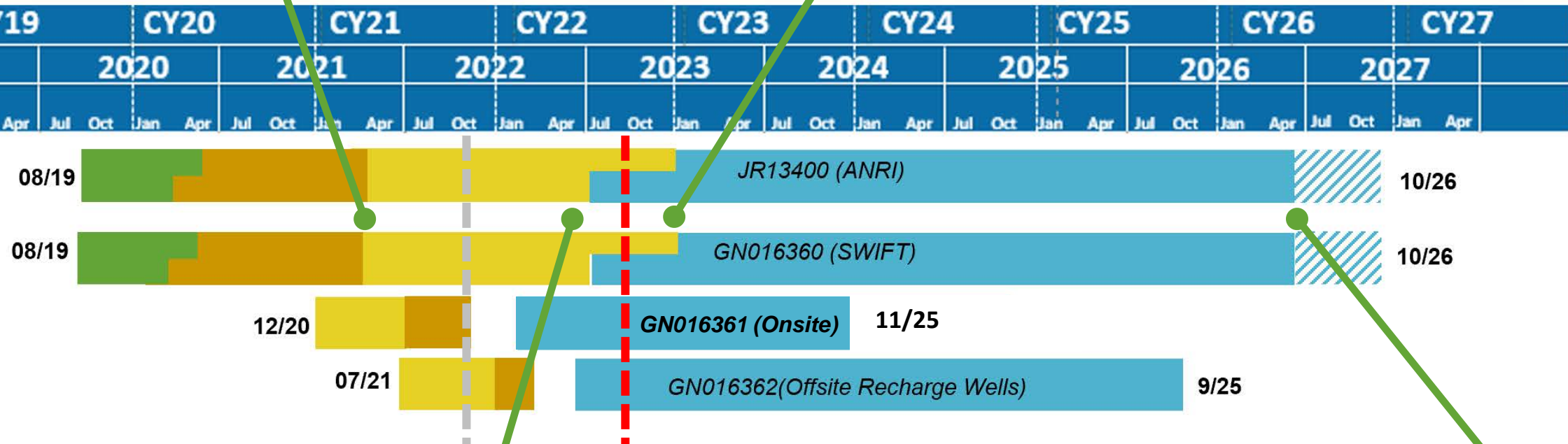


Projects have transitioned from design to construction

Data Date: August 31, 2022

Notice to Proceed
March 2021

Design Complete
December 2022



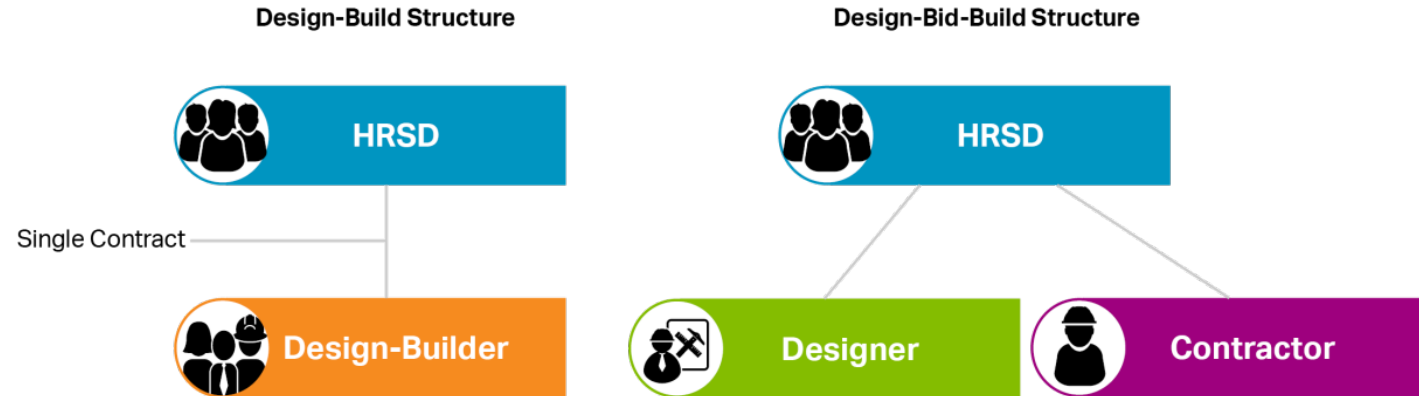
Agreed to Stipulated Price
Initiated Construction
May 2022

Substantial Completion
Expected April 2026

Design-Build project delivery

Single point of accountability (Design-Builder) for this large and complex project.

Shortened schedule by overlapping the design and construction phases.



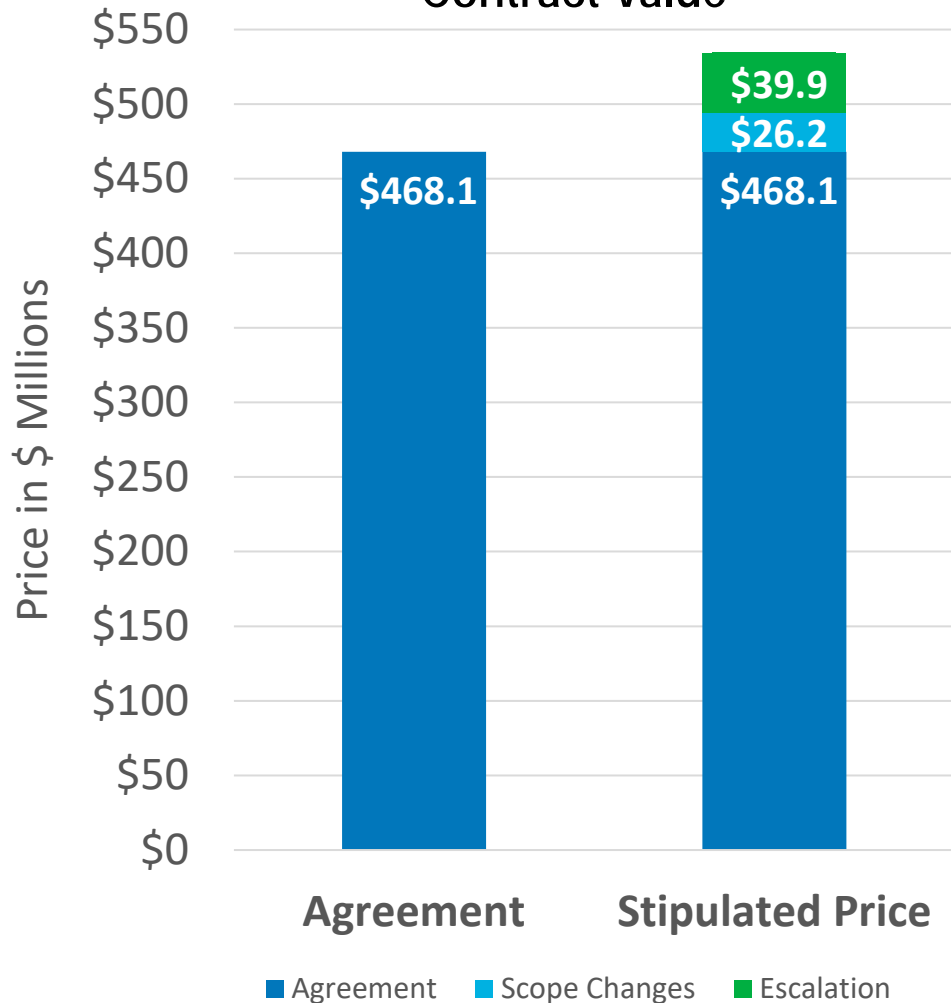
Design-Bid-Build Sequence



Design-Build Sequence



Contract Value



Stipulated Price reflects a total cost increase of 14 percent.

Requested Escalation (8.5%)

Scope Changes (5.6%)

Scope Included in Agreement

Project funding sources include WIFIA and CWRLF loans;
team will apply for WQIF grant funding.



Programmatic loan



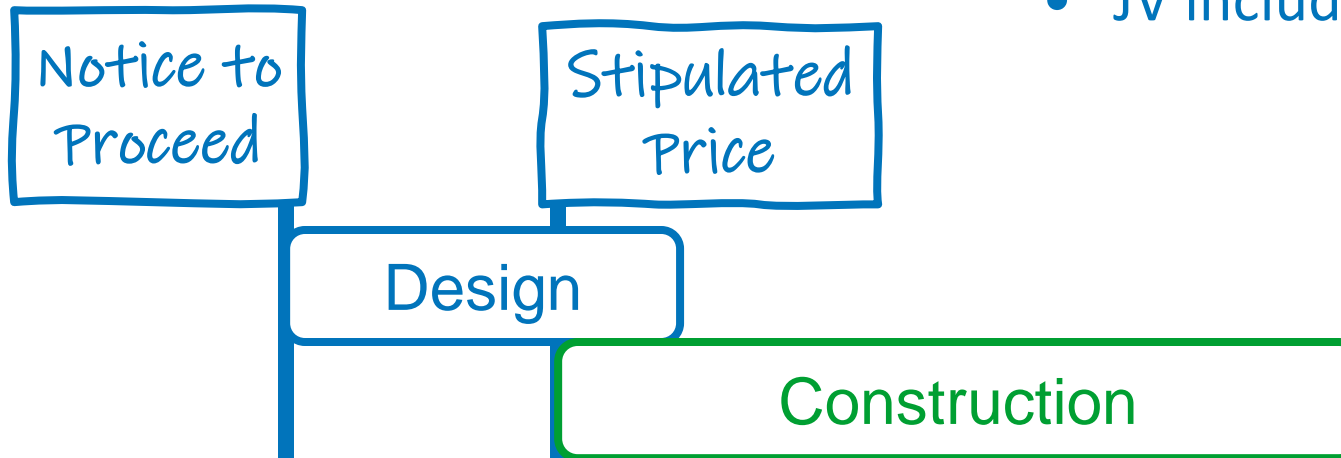
Programmatic loan



Will apply for grant

James River Design Build Project Status

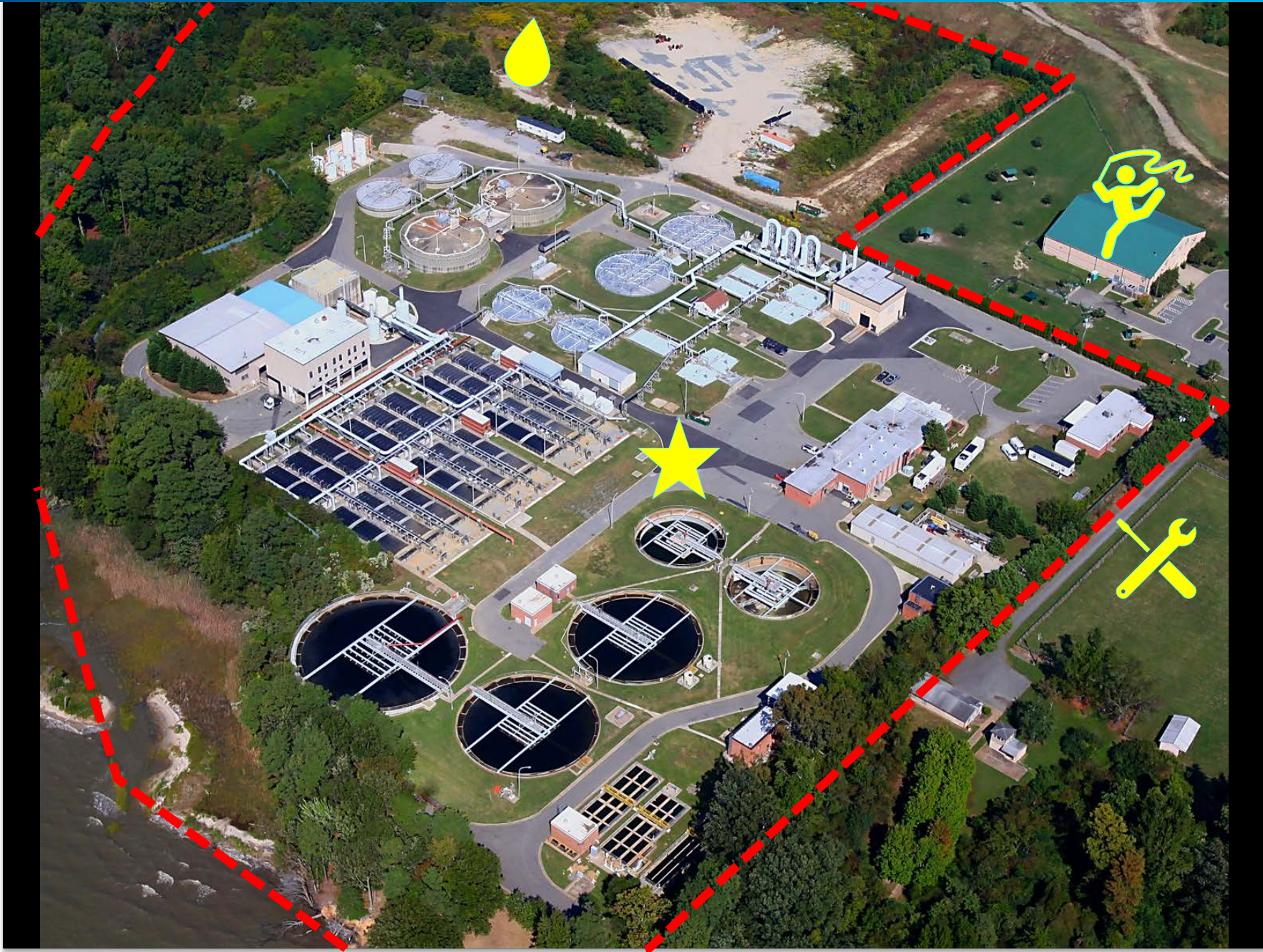
- SWIFT + Nutrient Improvements project has started construction
- Recharge expected in 2026
- JV includes HDR and Black & Veatch

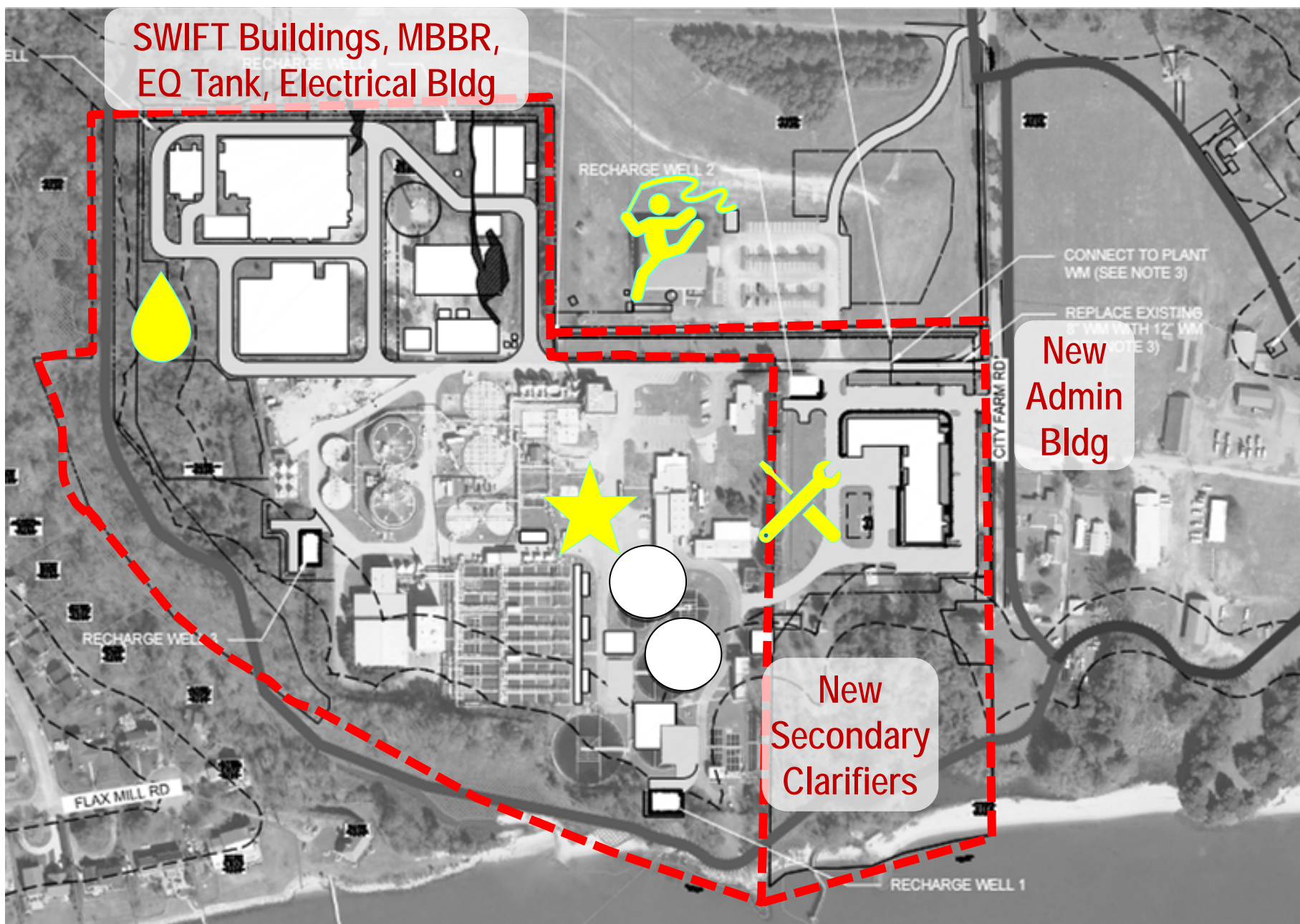


CAL YR		CY19				CY20				CY21				CY22		CY23				CY24				CY25				CY26				CY27				CY28				CY29			
HRSD		2019				2020				2021				2022				2023		2024				2025				2026				2027				2028				2029			
		Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr						

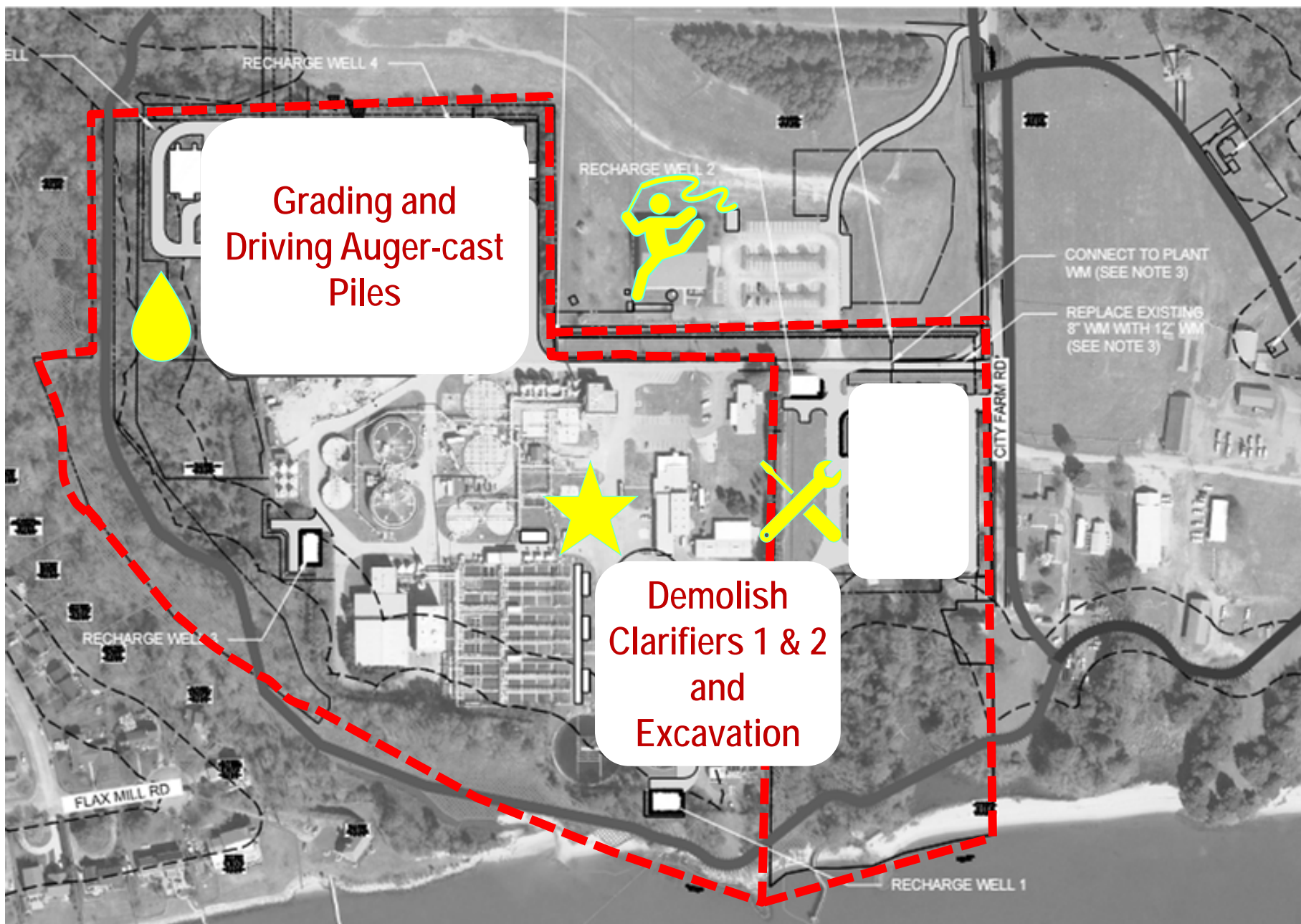


Existing James River TP Site

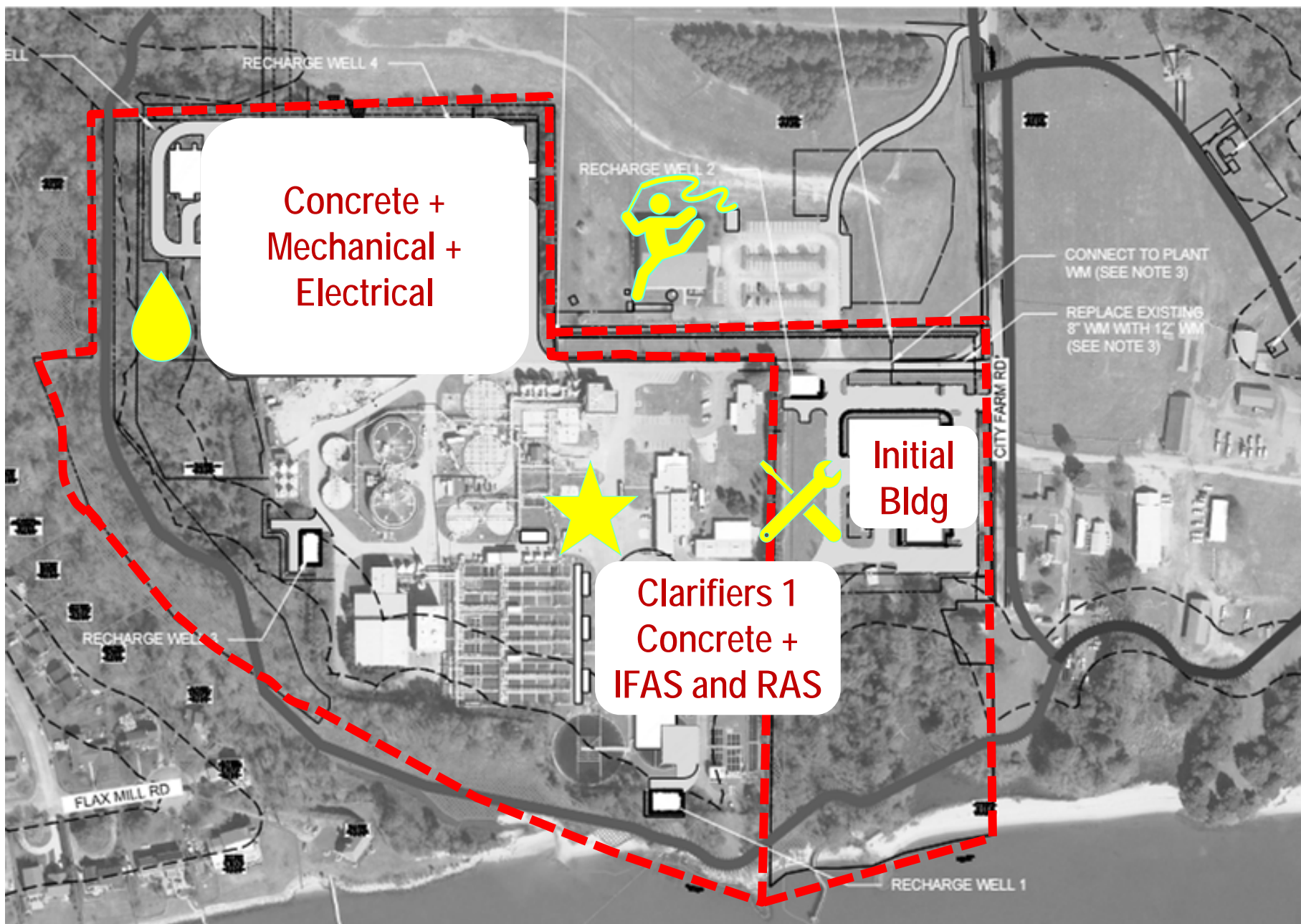




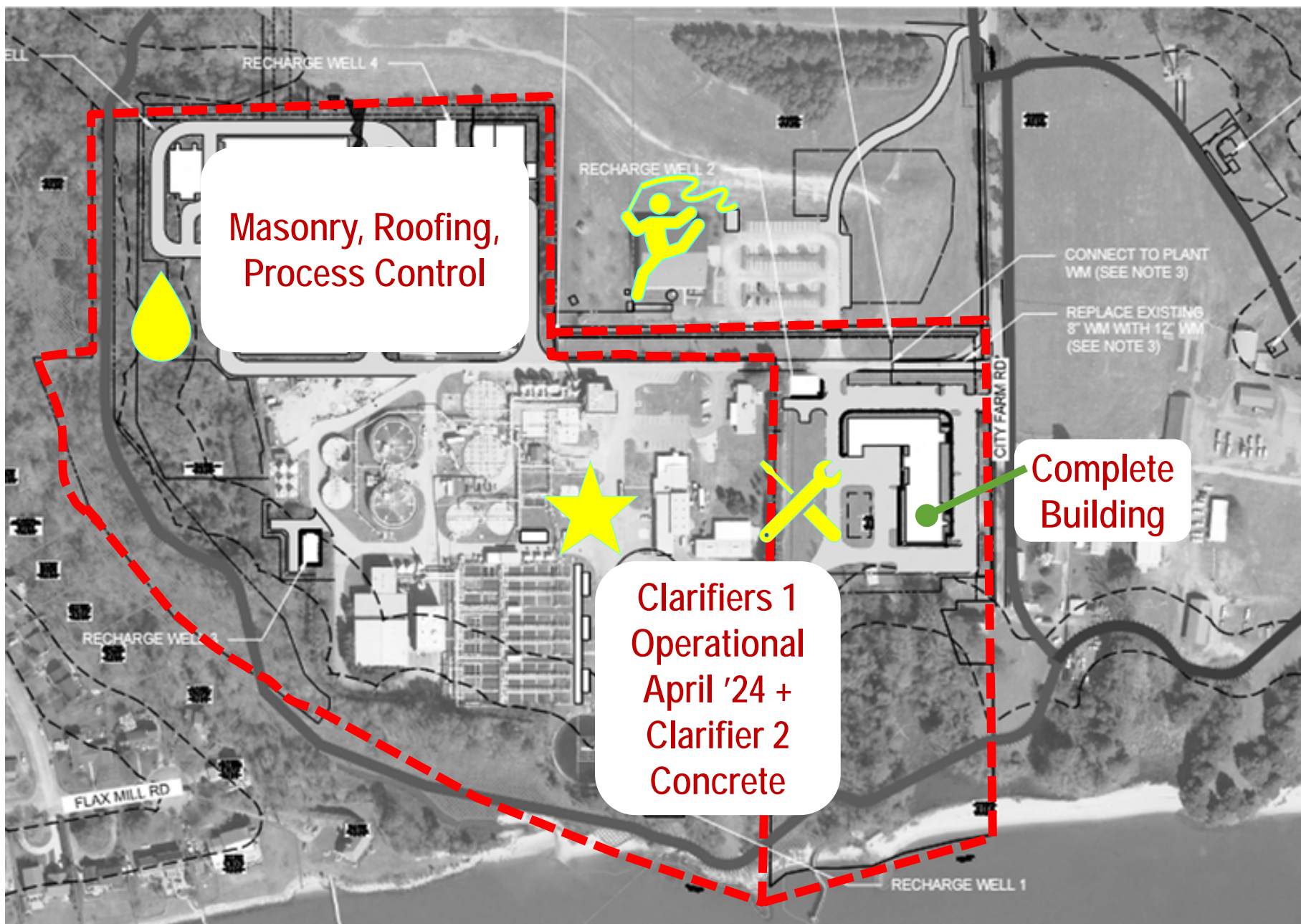
Construction
Activity
through the
end of 2022



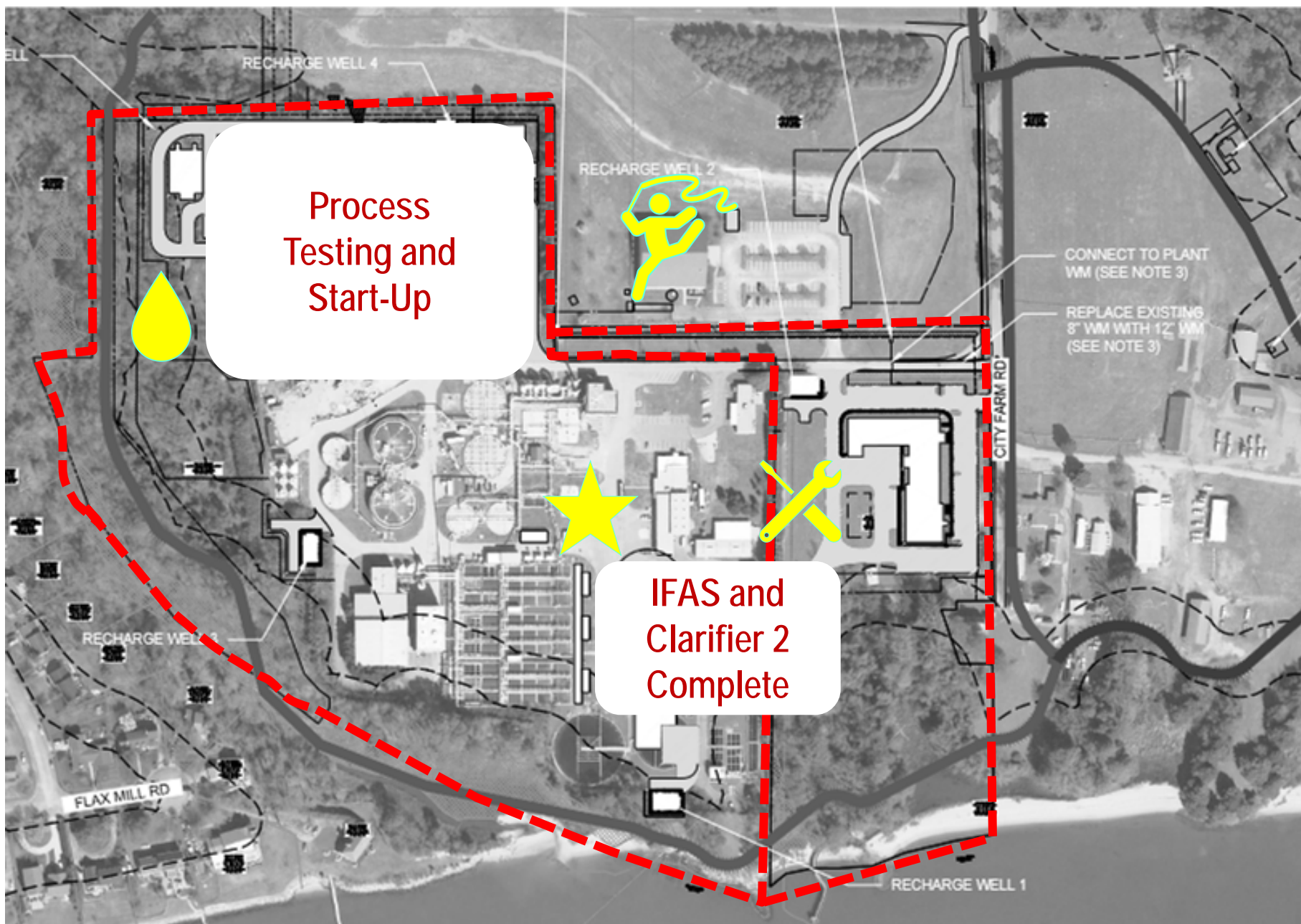
Construction
Activity
through the
end of 2023



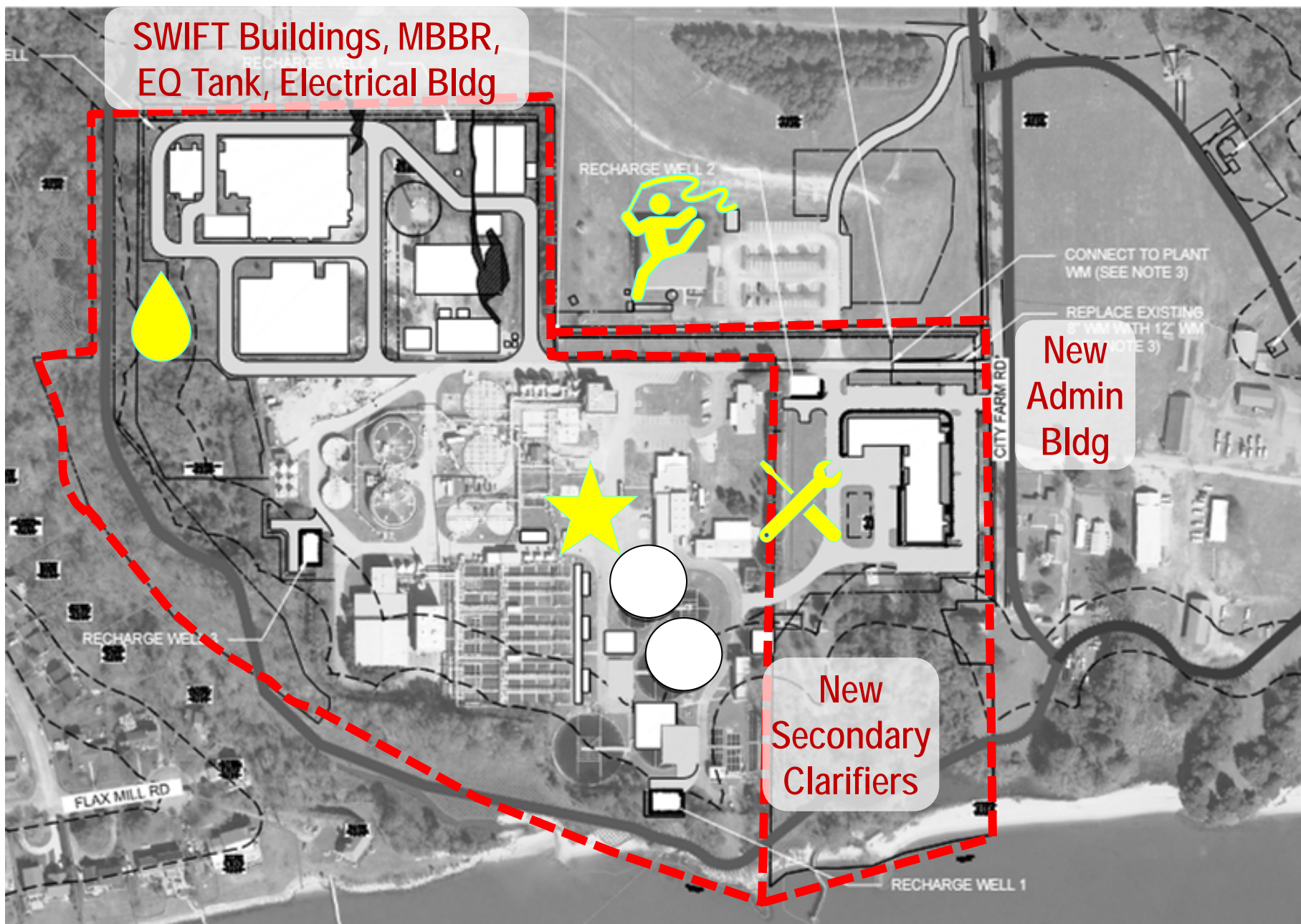
Construction
Activity
through the
end of 2024



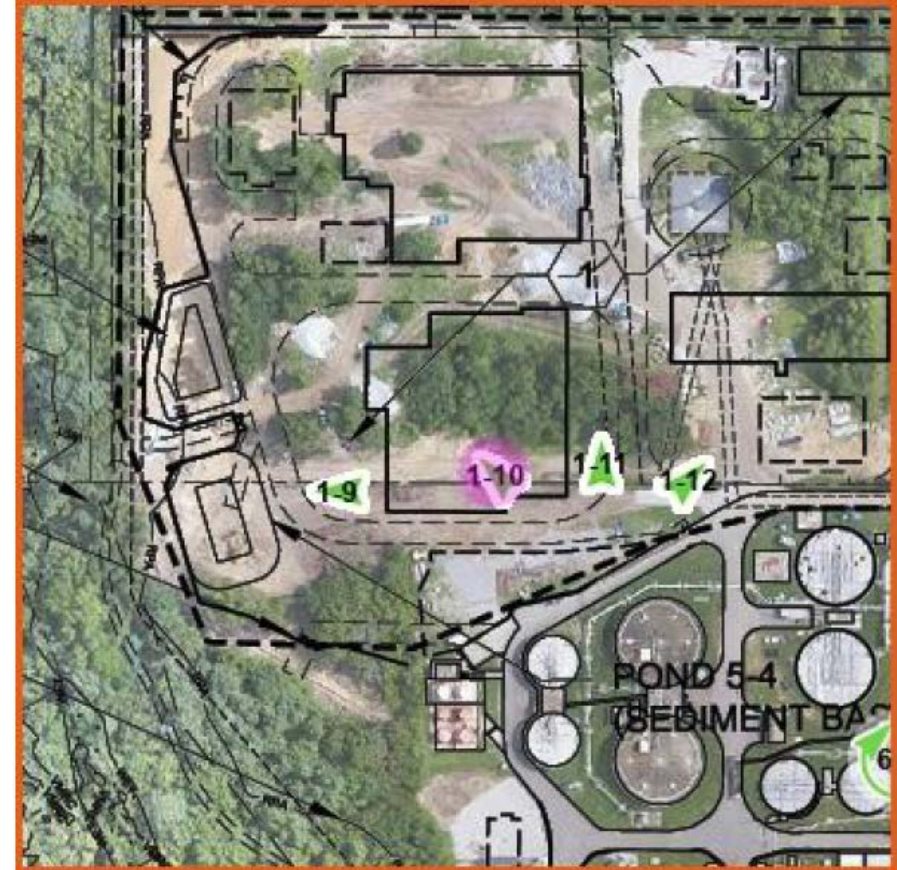
Construction
Activity
through the
end of 2025



Performance Testing in 2026



Site work is on-going in the SWIFT area.

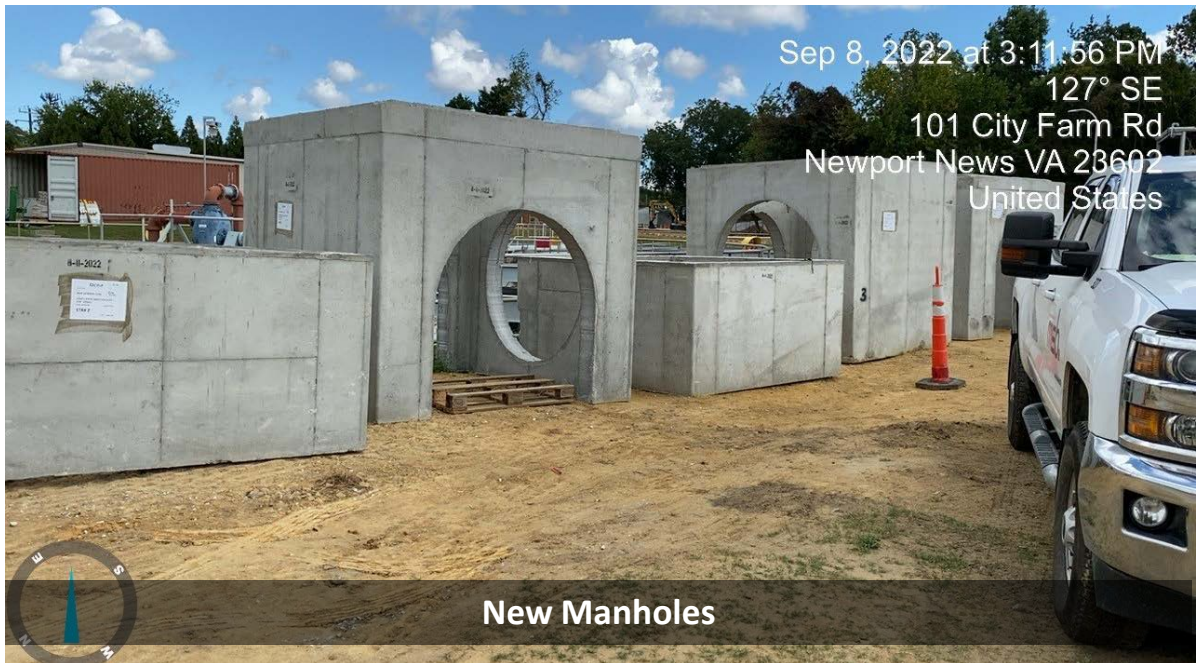


















CAL YR	CY19				CY20				CY21				CY22				CY23				CY24				CY25				CY26				CY27											
HRSD	2019				2020				2021				2022				2023				2024				2025				2026				2027											
	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr												
08/19																																												
08/19																																												
12/20																																												
07/21																																												

On Site Wells

Feb 2022

Off Site Wells

May 2022

PER

Design

Procurement

Construction NTP-SC

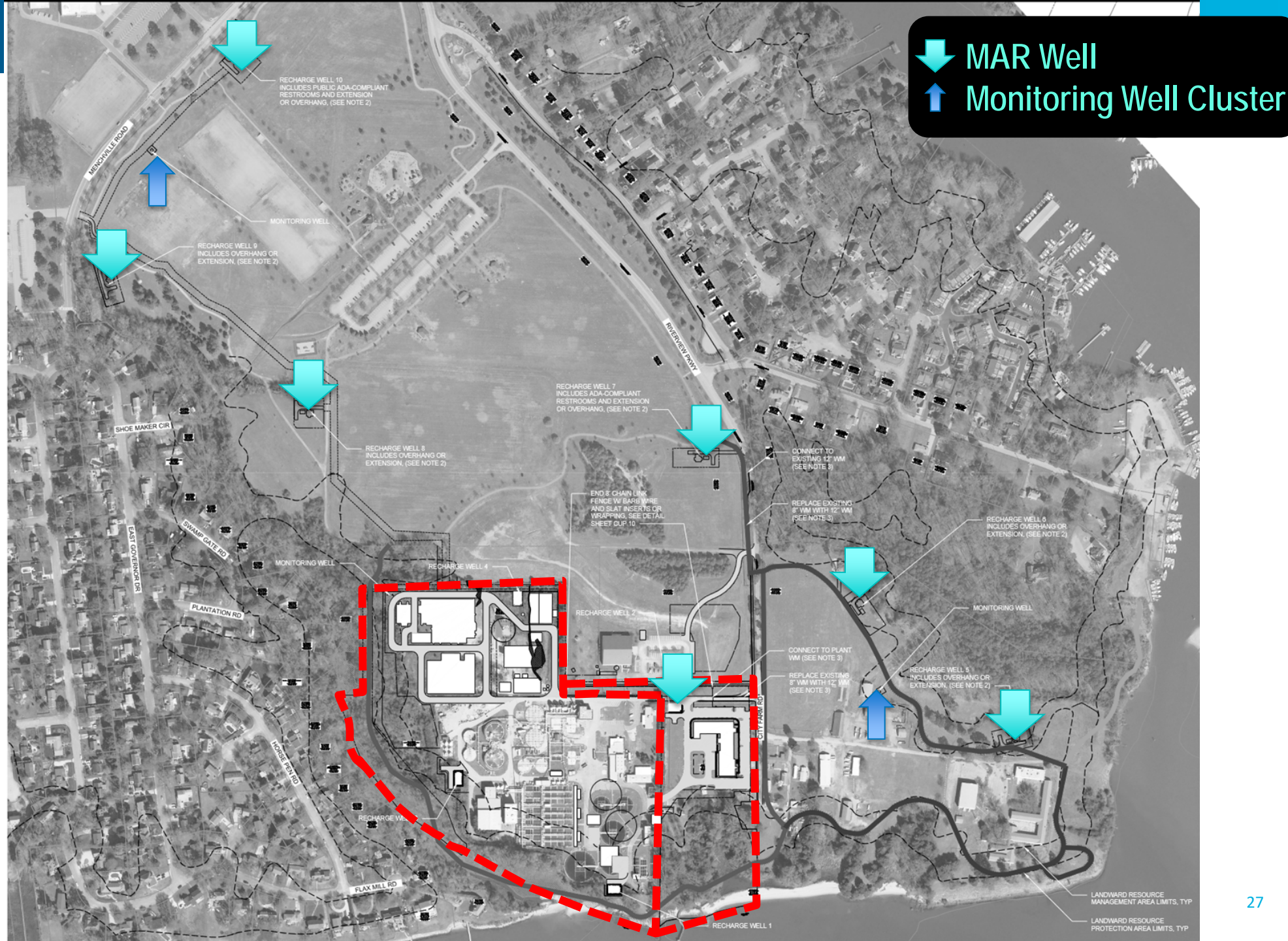
Construction SC-FC

25

On Site MAR Wells

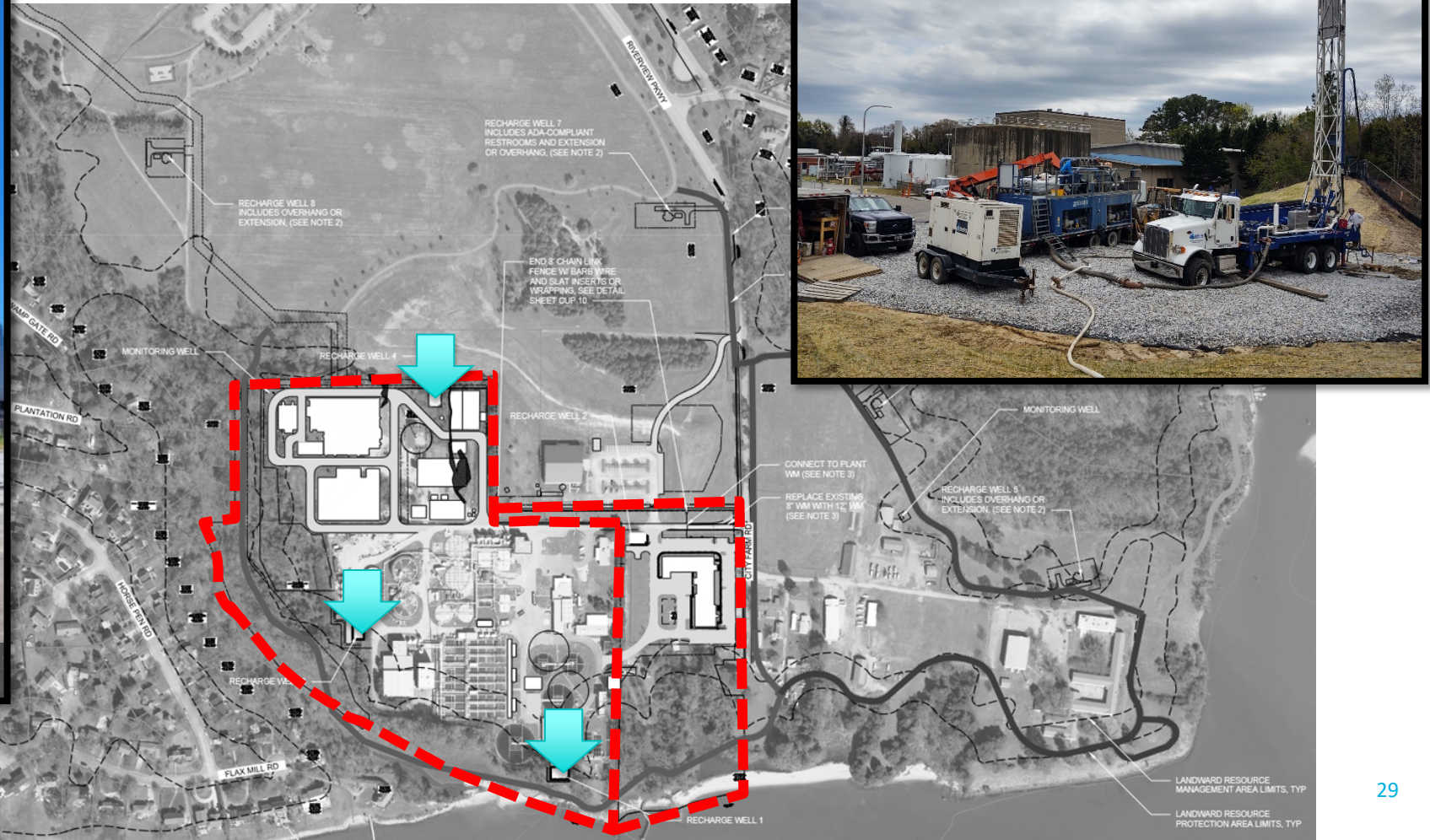


Off Site MAR Wells and Monitoring Wells





All three on-site wells have been initiated.
Screens for the first well are expected on site in October 2022.





Off-site wells are starting with geophysical borings at Well 9 & 10.

Drilling at JR_MAR_01

