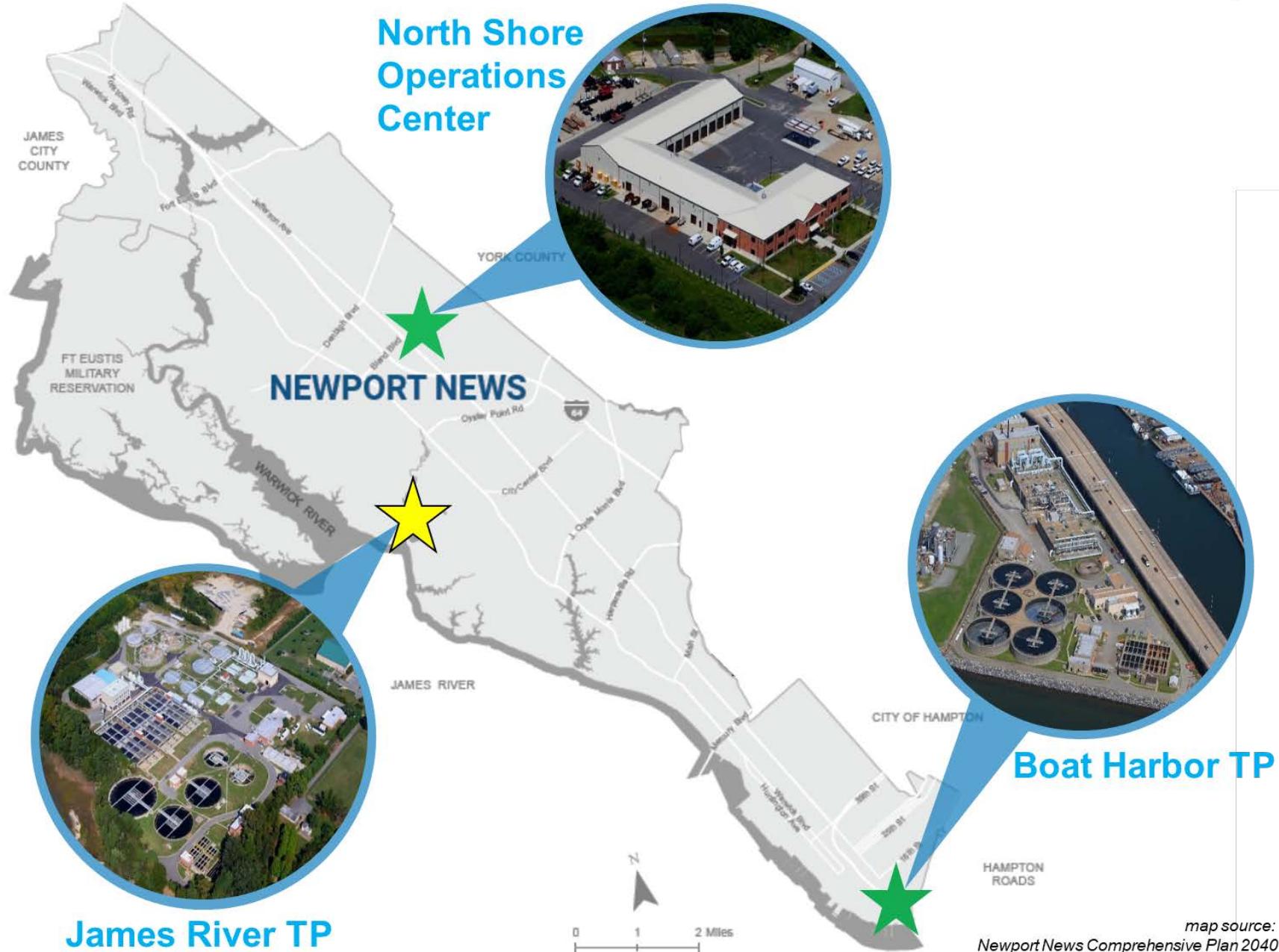




James River SWIFT and ANRI Project Update

Potomac Aquifer Recharge
Oversight Committee
September 26, 2022

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



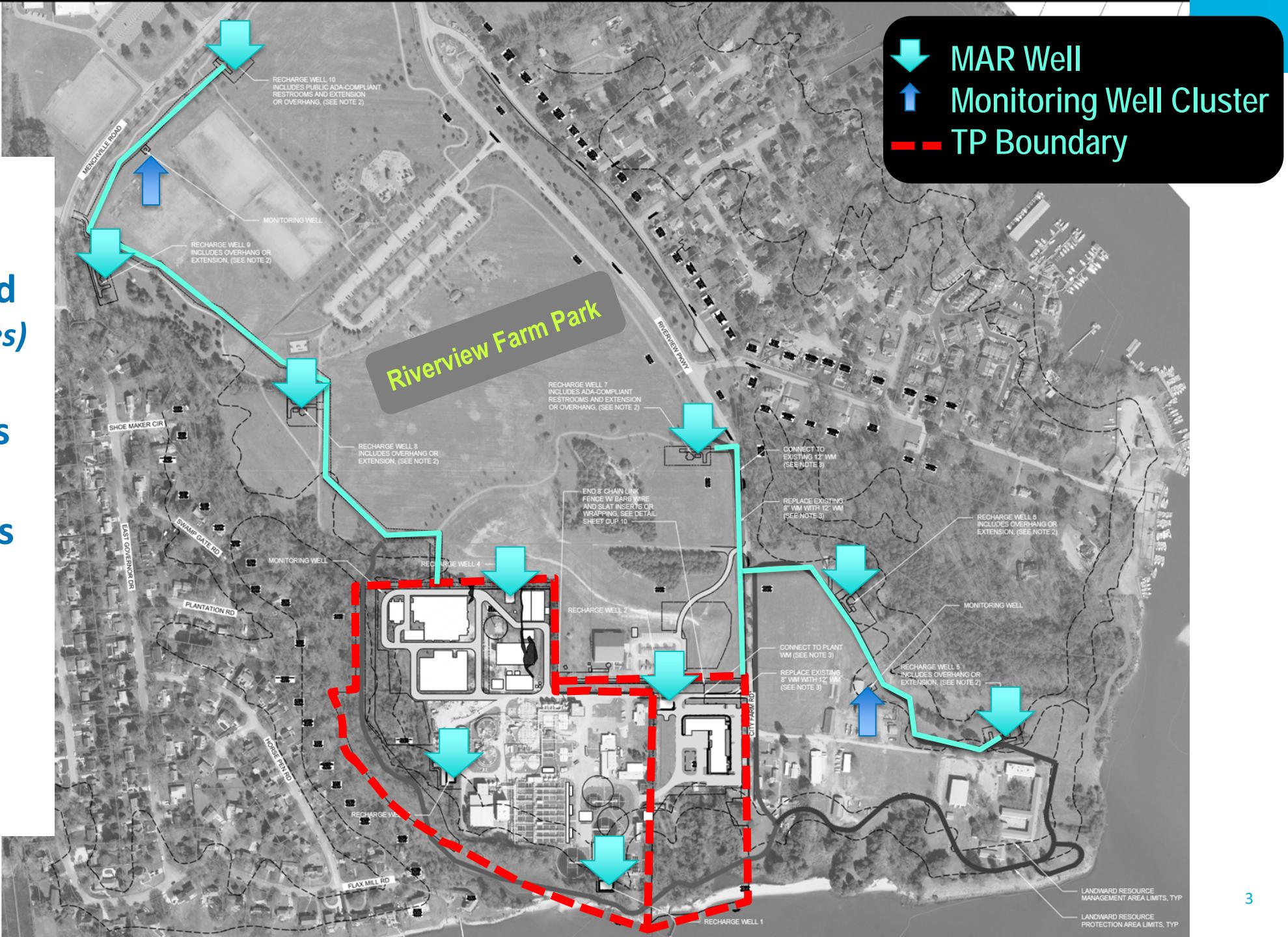
Current Projects

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

\$14 M On Site Wells

\$40 M Off Site Wells

***other capital projects**

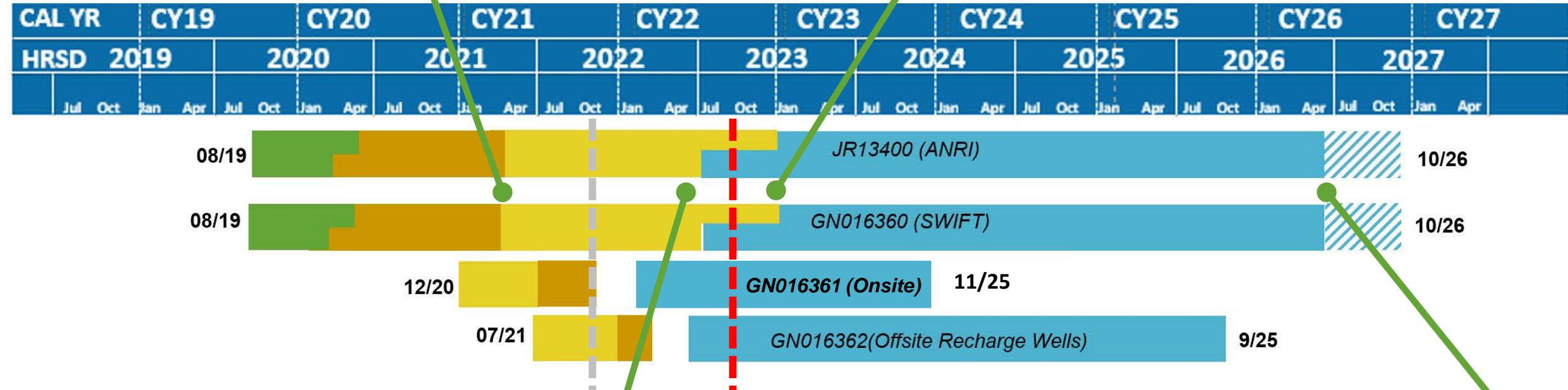


Projects have transitioned from design to construction

Notice to Proceed
March 2021

Design Complete
December 2022

Data Date: August 31, 2022



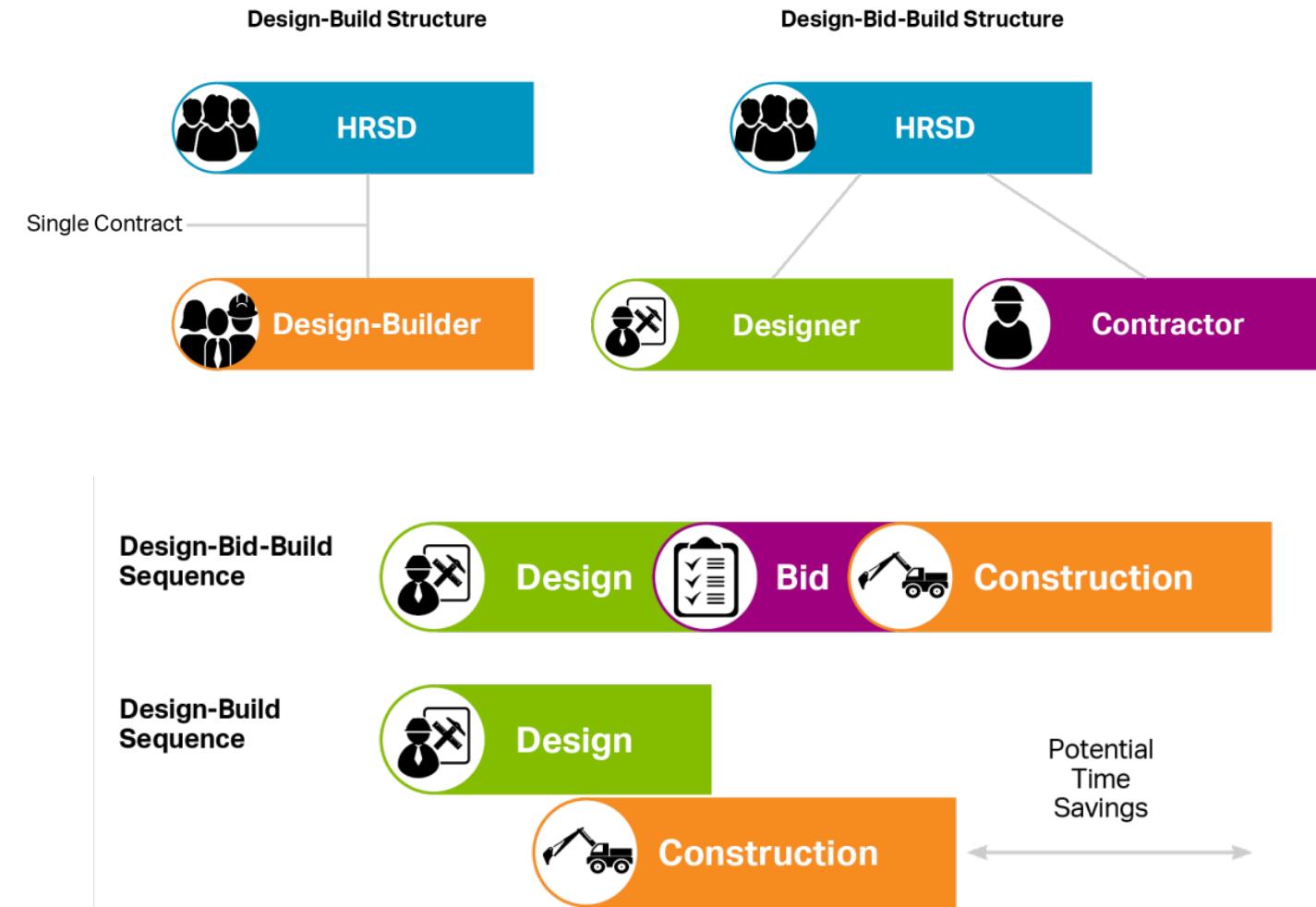
Agreed to Stipulated Price
Initiated Construction
May 2022

Substantial Completion
Expected April 2026

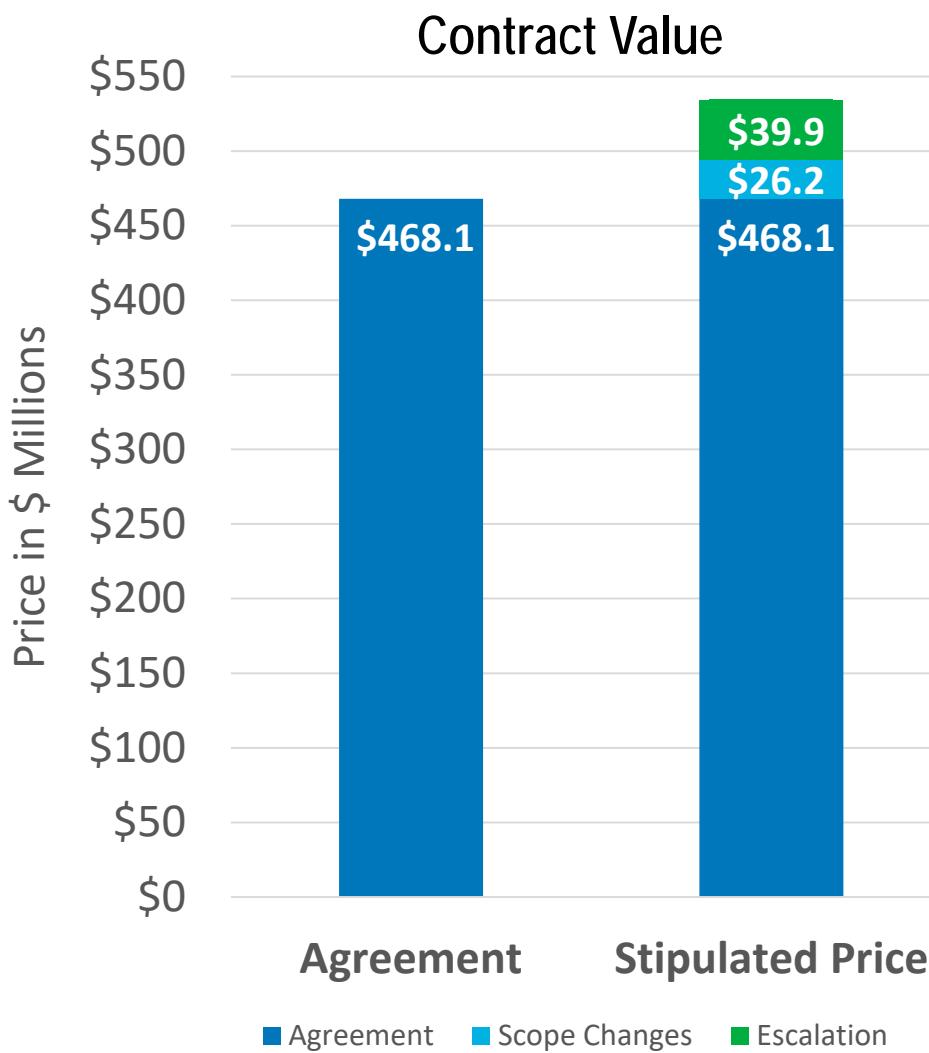
Design-Build project delivery

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

Shortened schedule by overlapping the design and construction phases.



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



Department of Environmental Quality
Virginia Clean Water Revolving Loan Fund

Programmatic loan



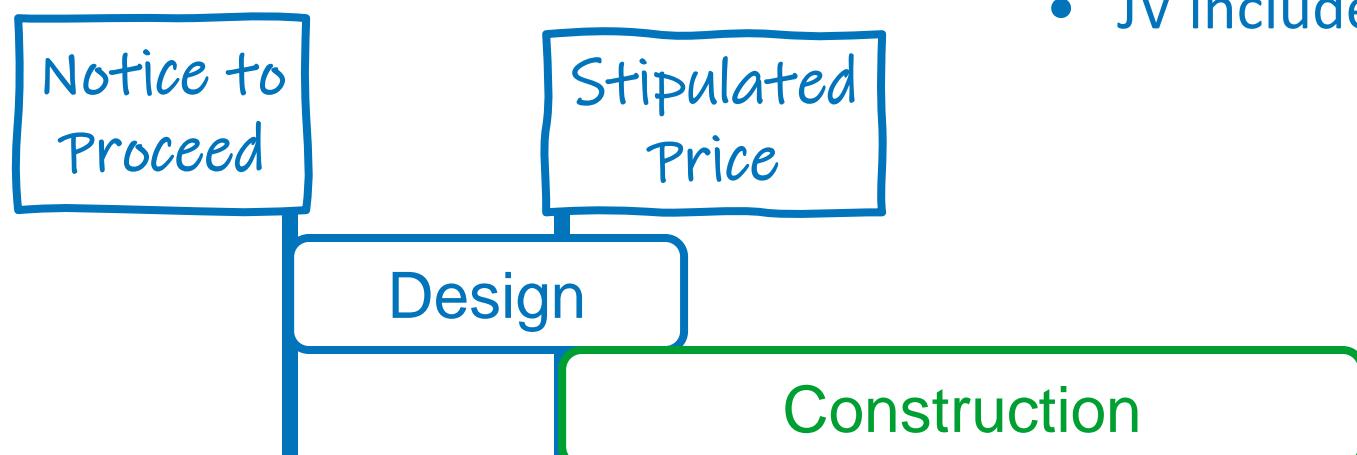
Will apply for grant



Ulliman Schutte –
Alberici Joint Venture

James River Design Build Project Status

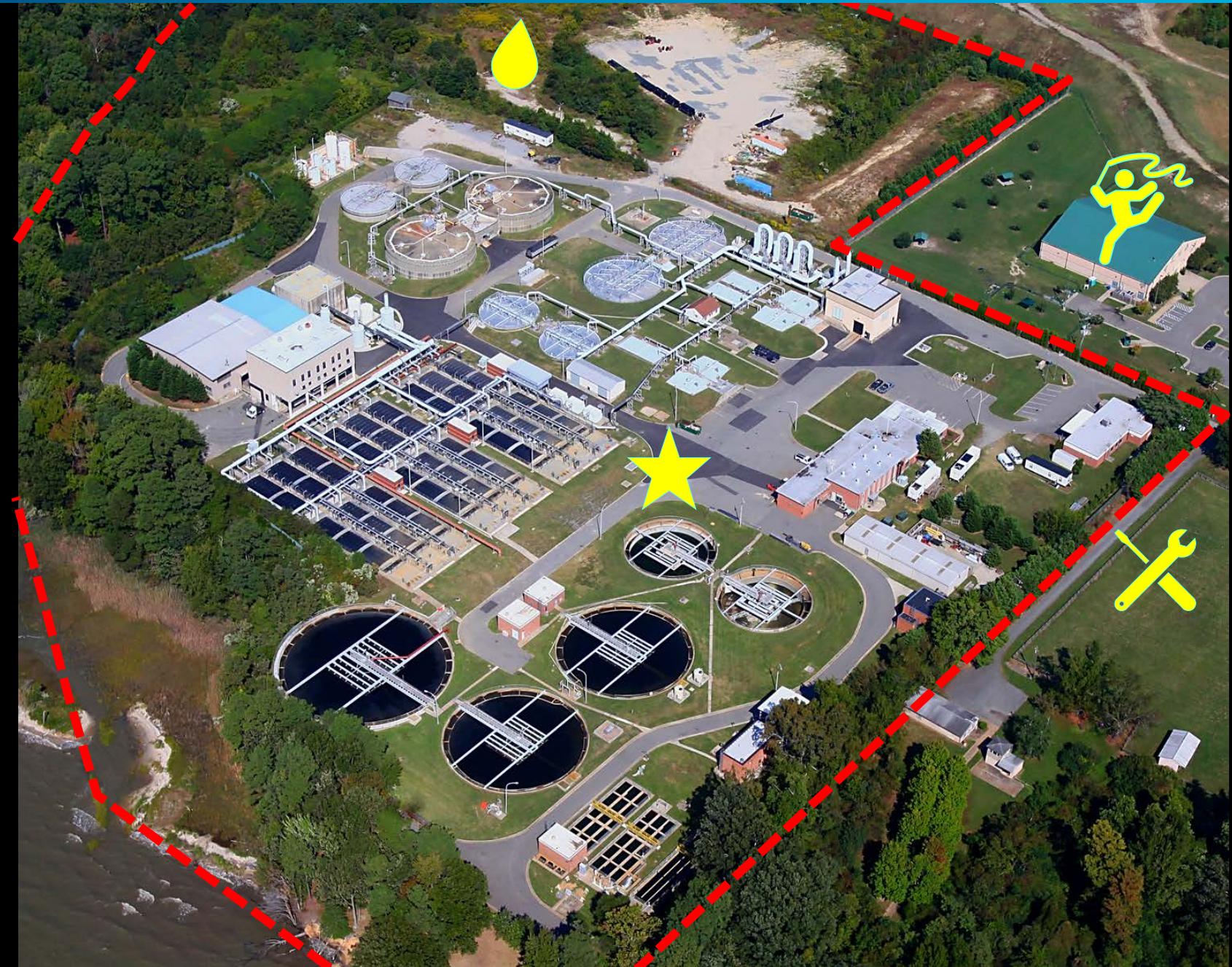
- SWIFT + Nutrient Improvements project has started construction
- Recharge expected in 2026
- JV includes HDR and Black & Veatch

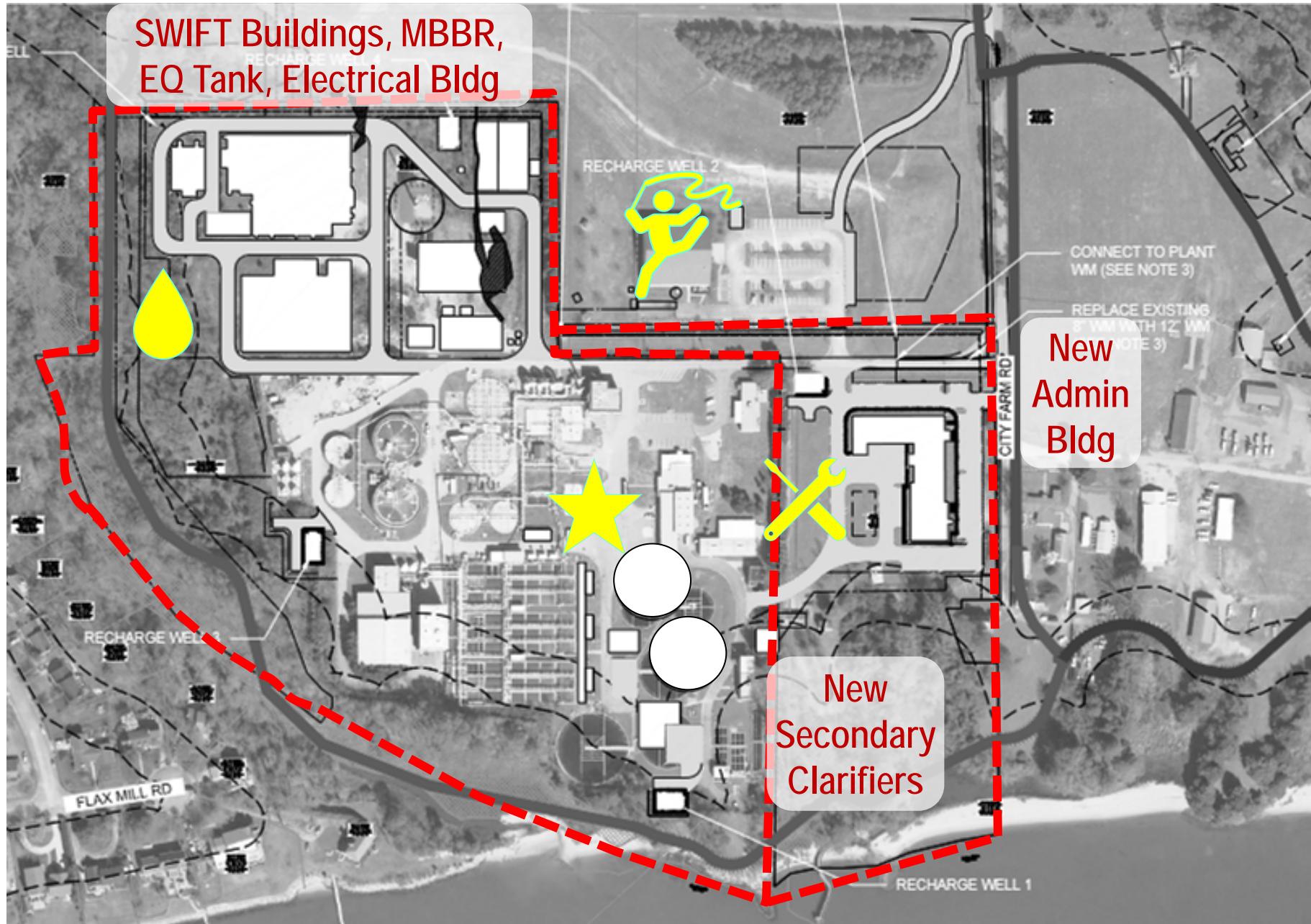


CAL YR	CY19		CY20		CY21		CY22		CY23		CY24		CY25		CY26		CY27		CY28		CY29				
HRSD	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr																	
	2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029				

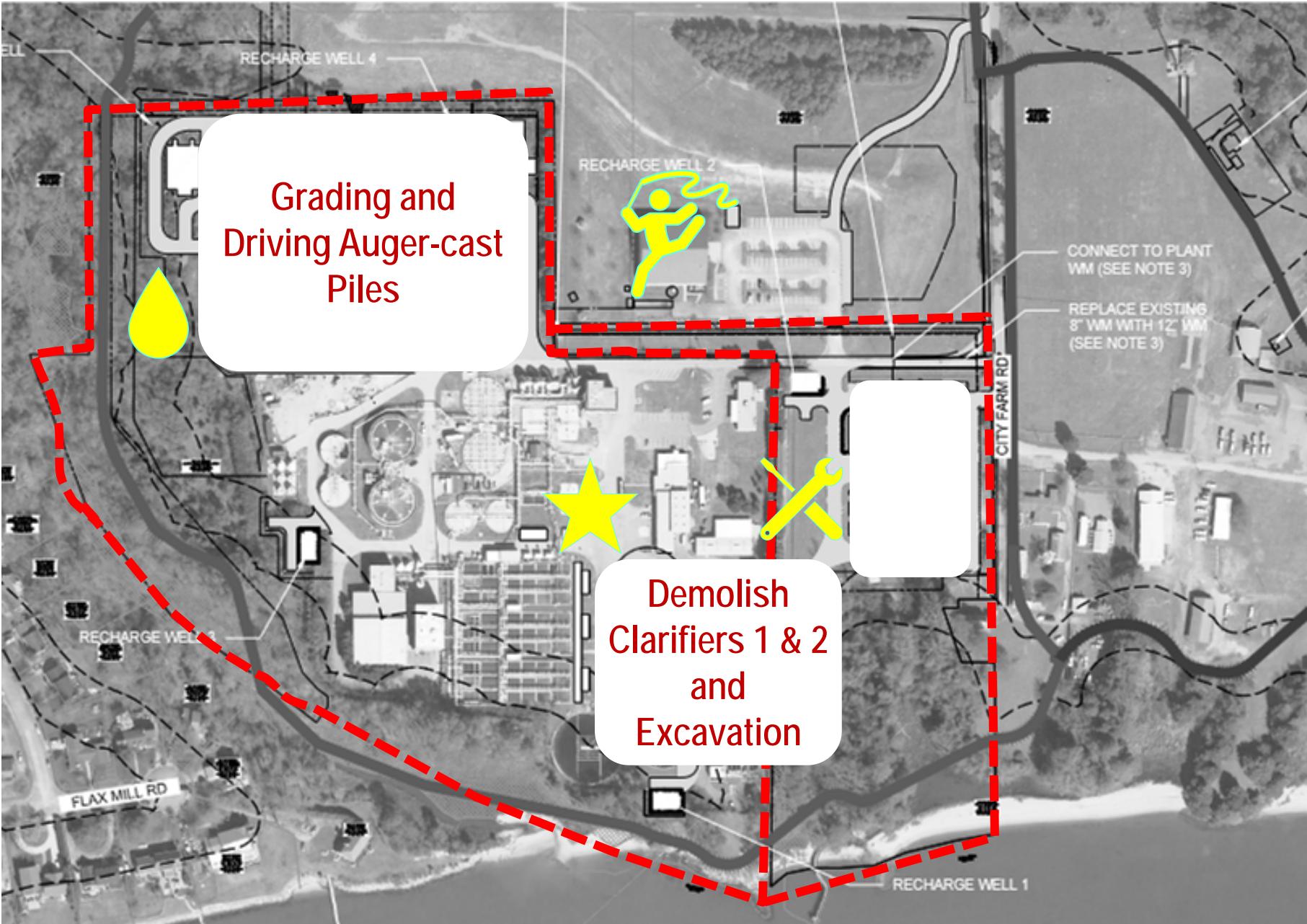


Existing James River TP Site

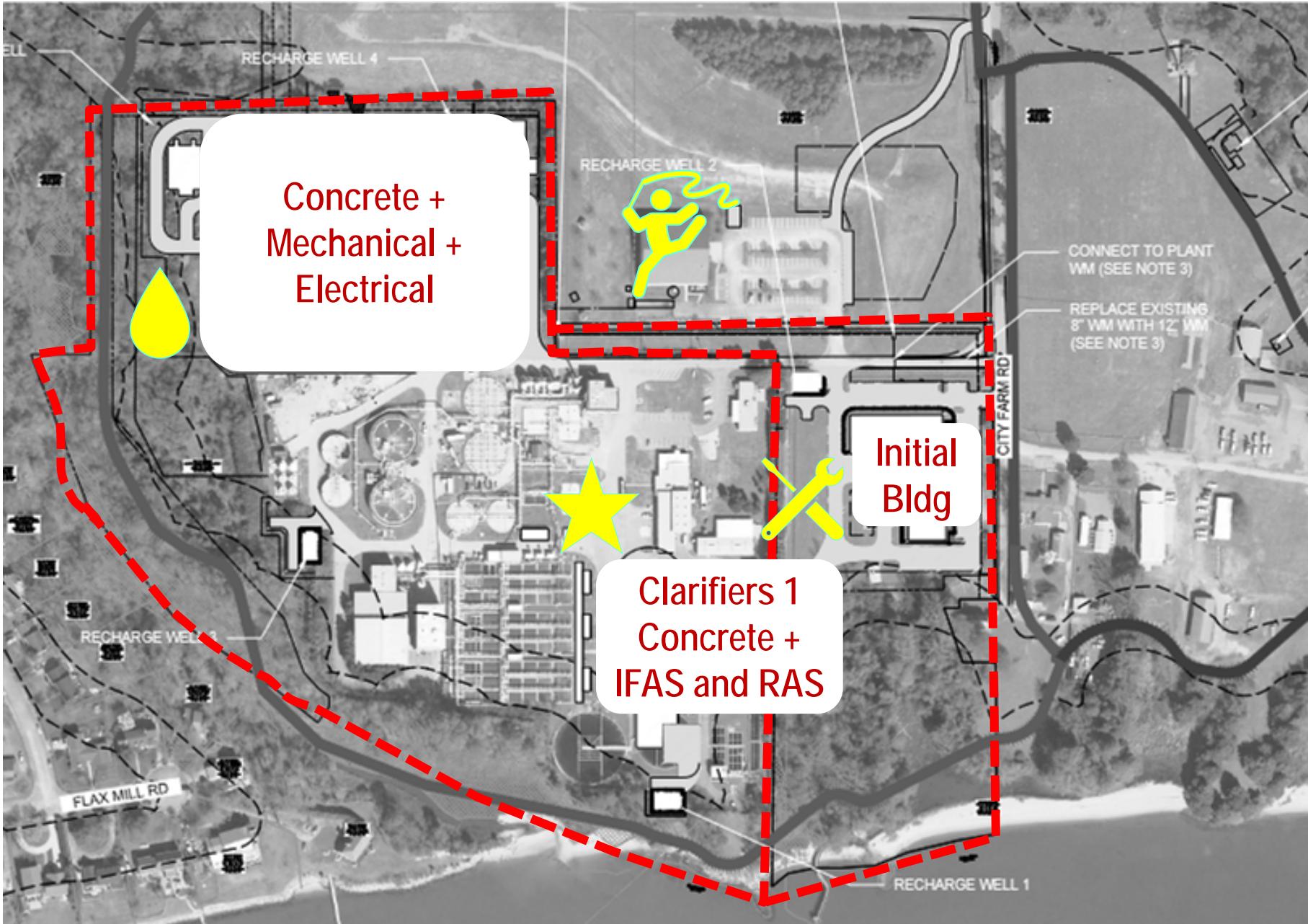




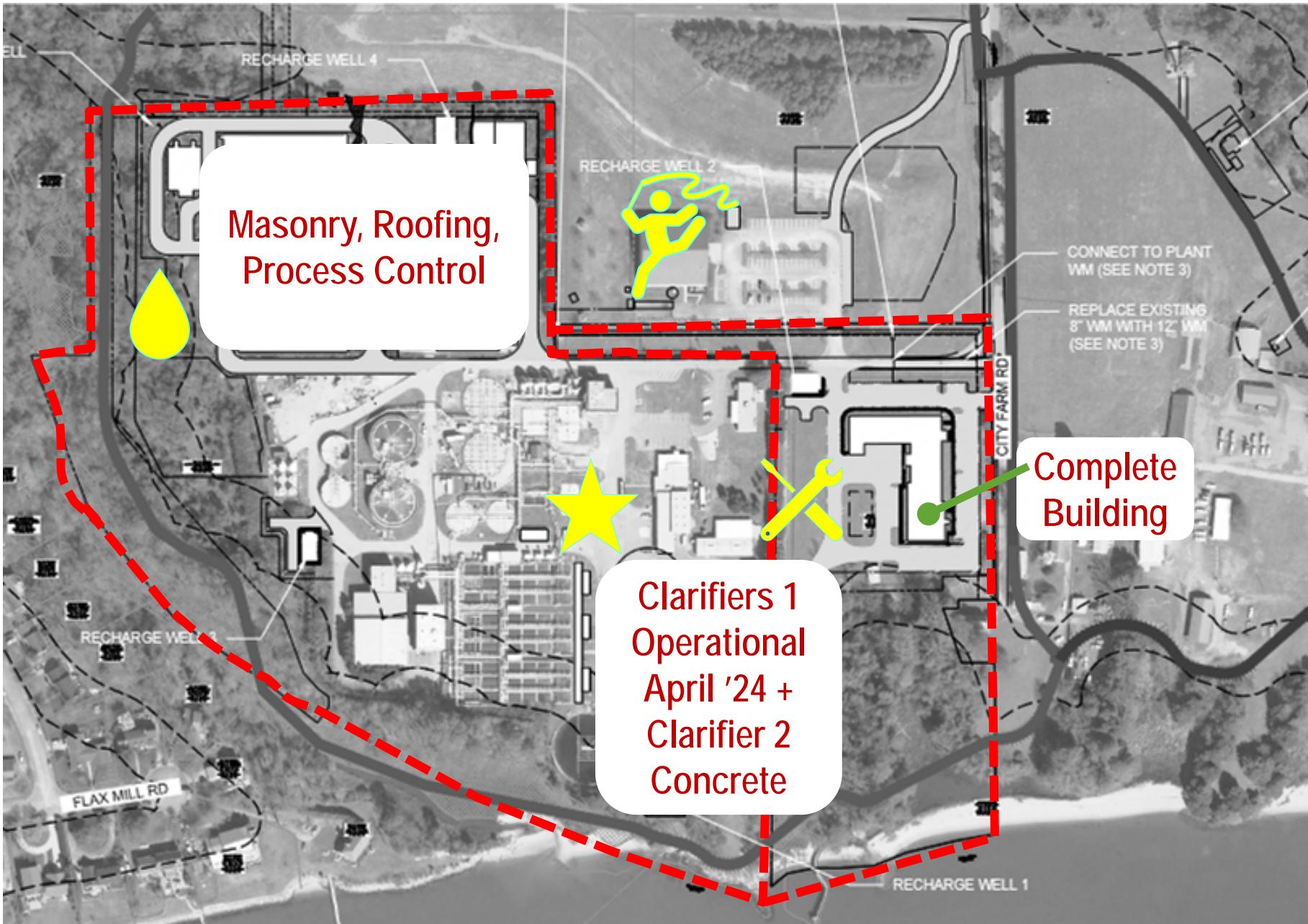
**Construction
Activity
through the
end of 2022**



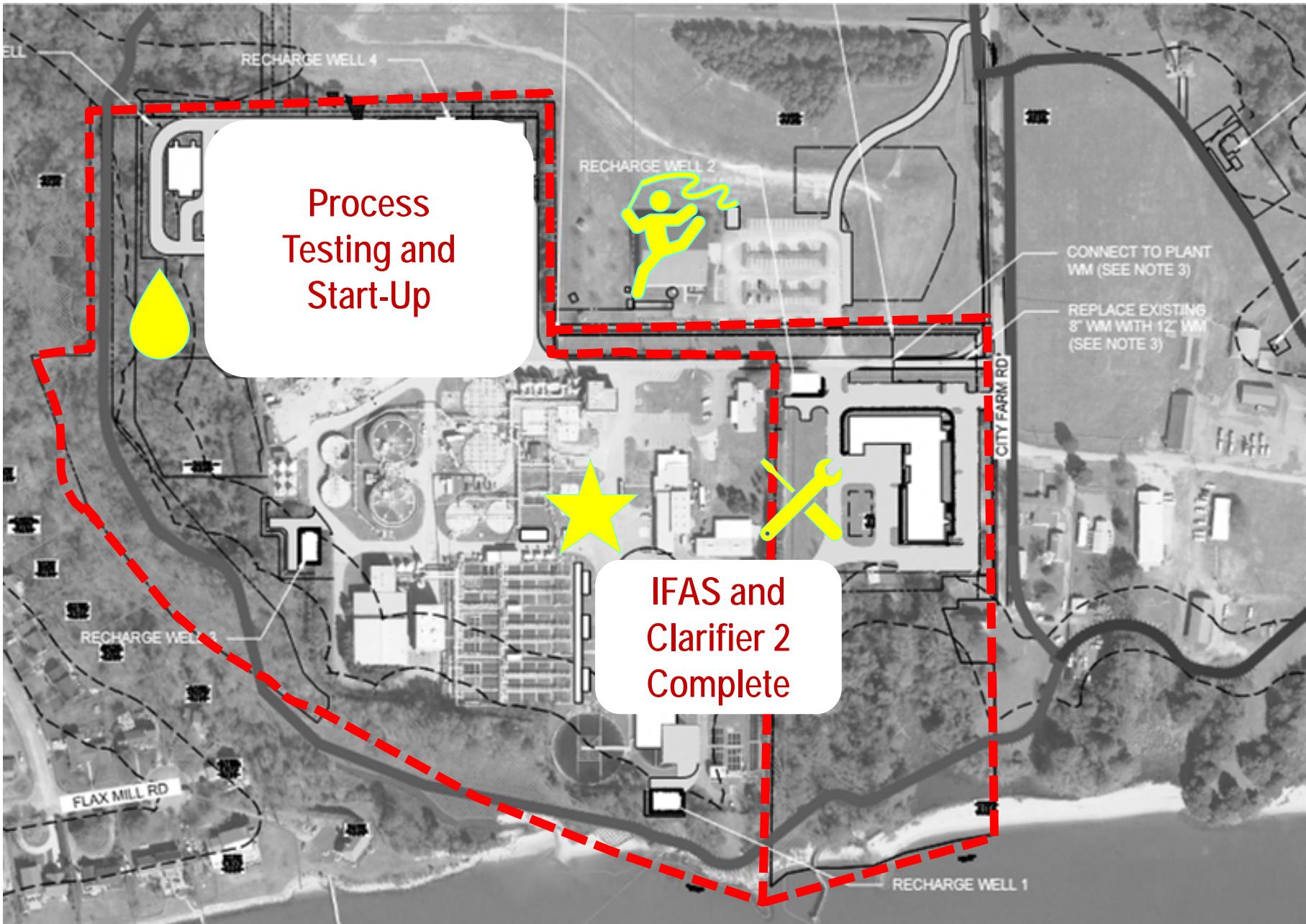
**Construction
Activity
through the
end of 2023**

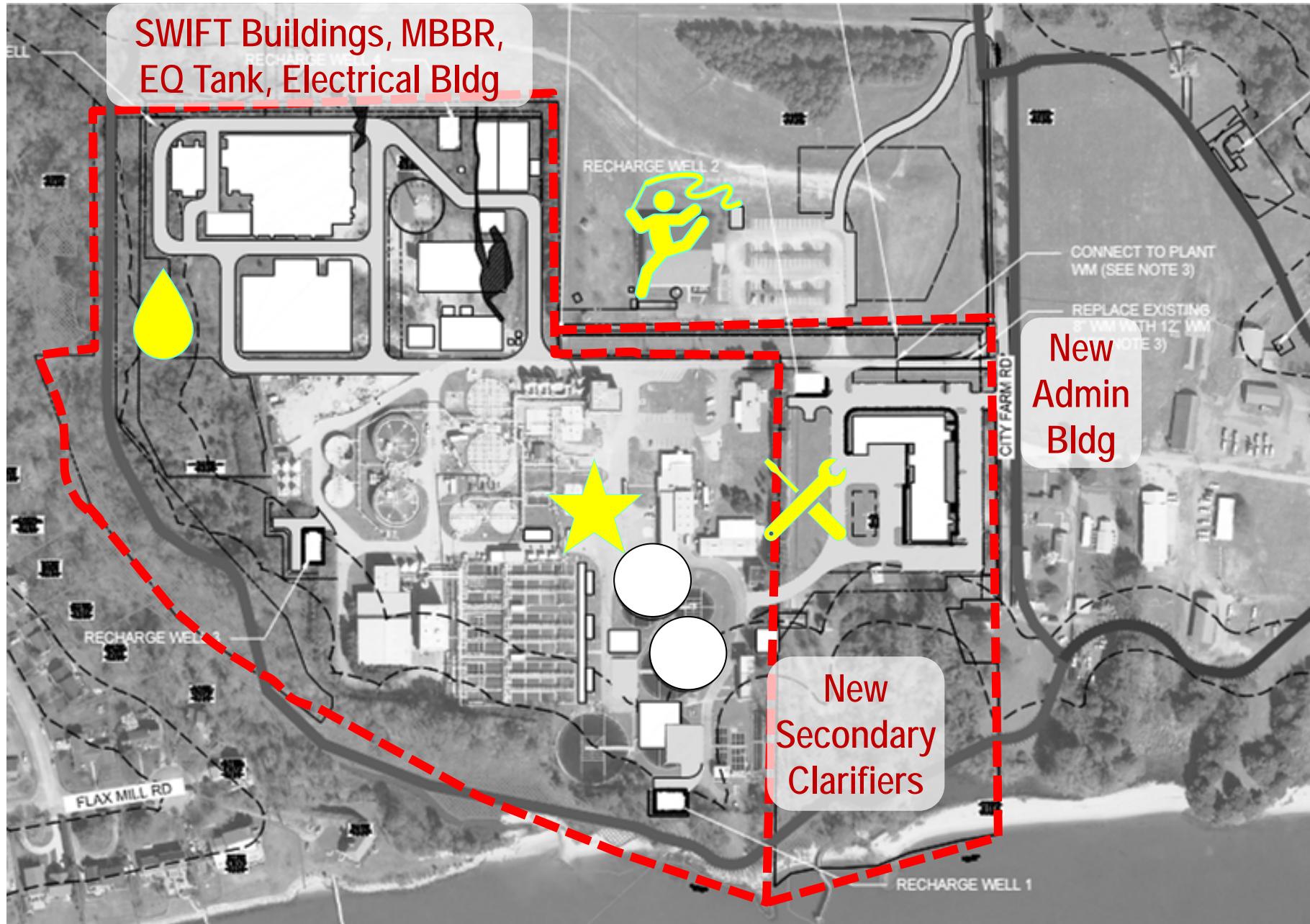


**Construction
Activity
through the
end of 2024**

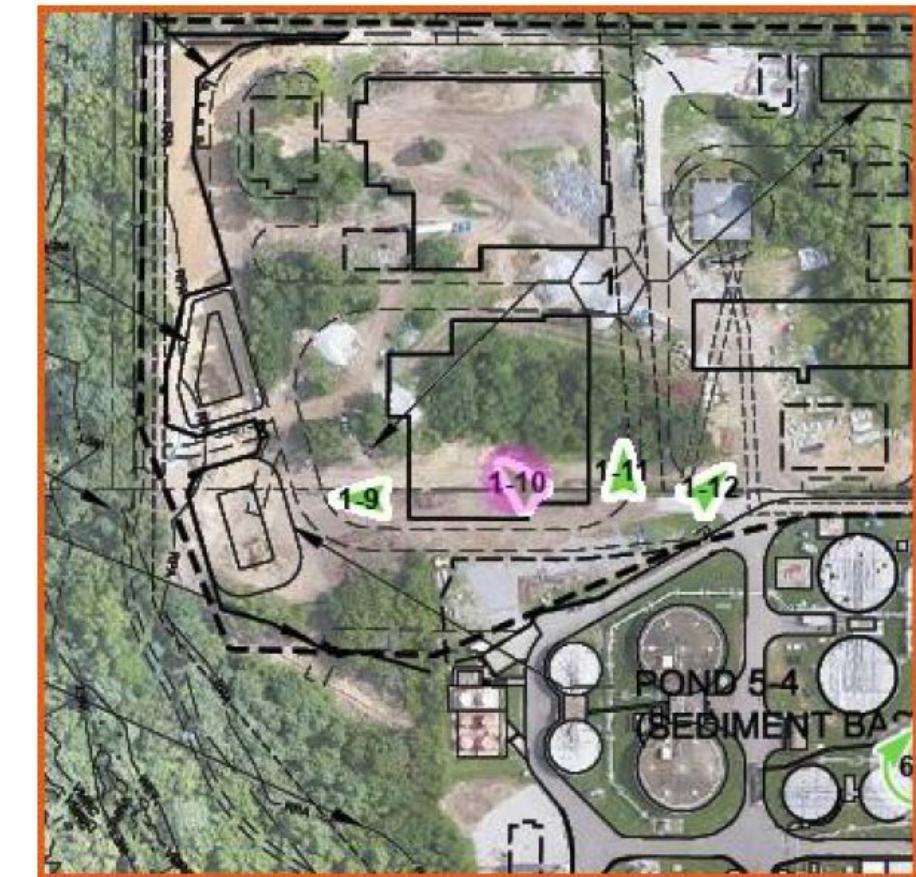


Construction Activity through the end of 2025





Site work is on-going in the SWIFT area.

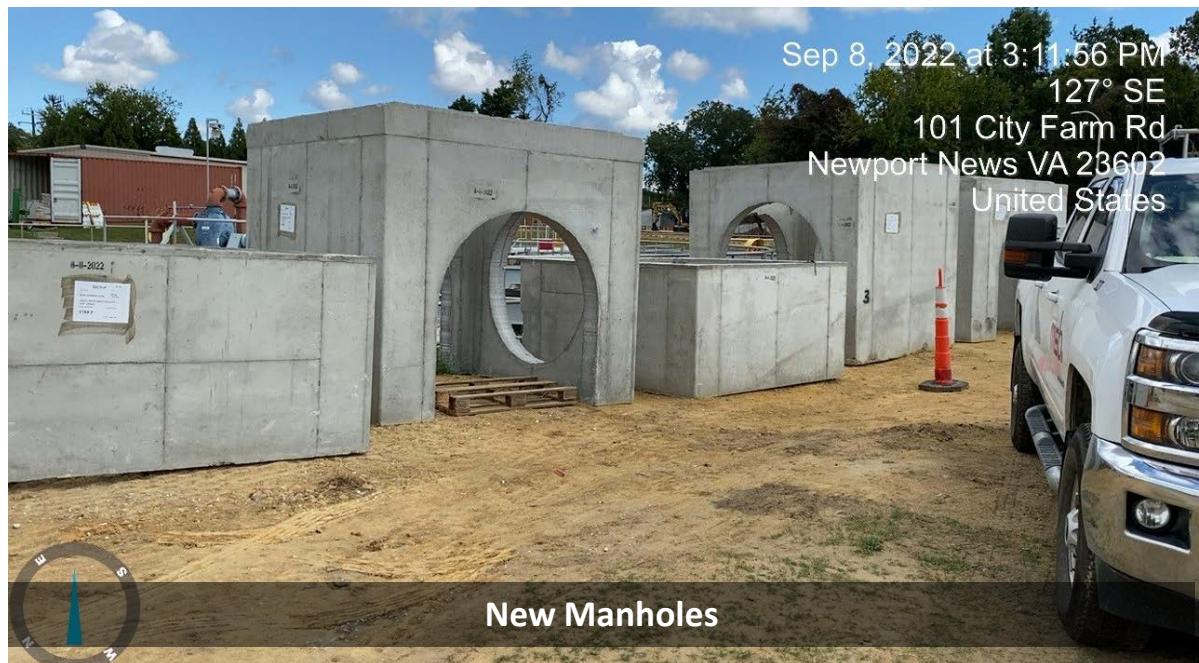












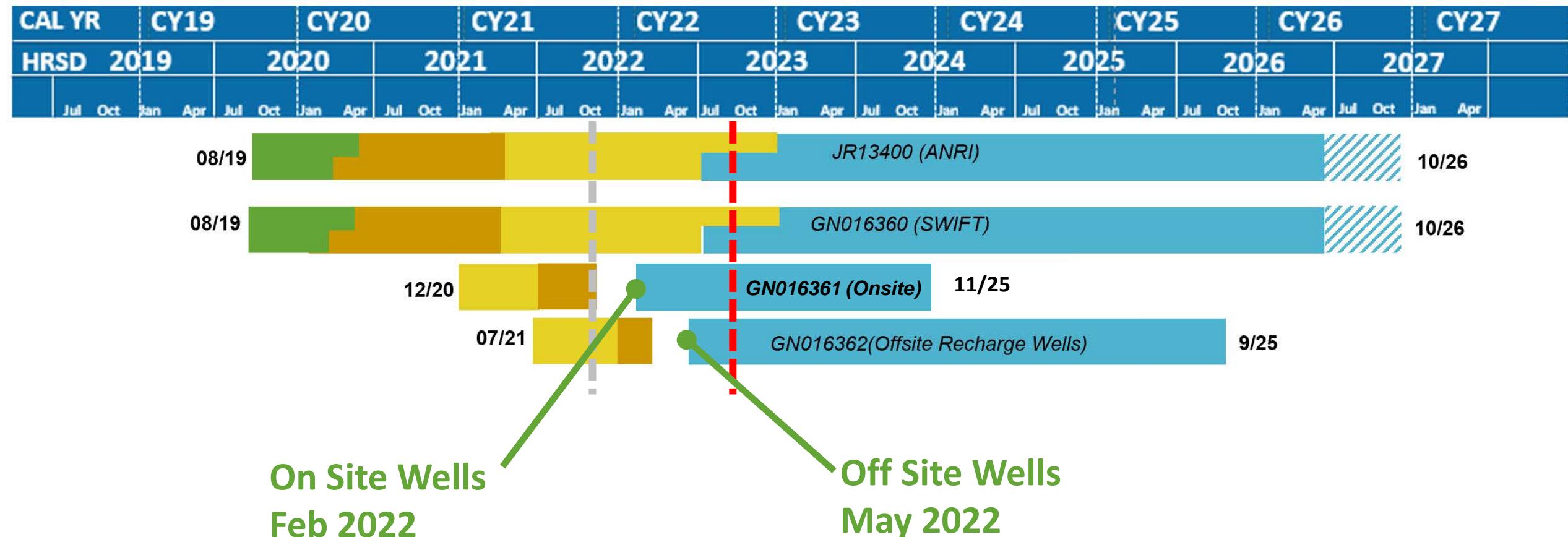






Both drilling contracts are underway.

Data Date: August 31, 2022



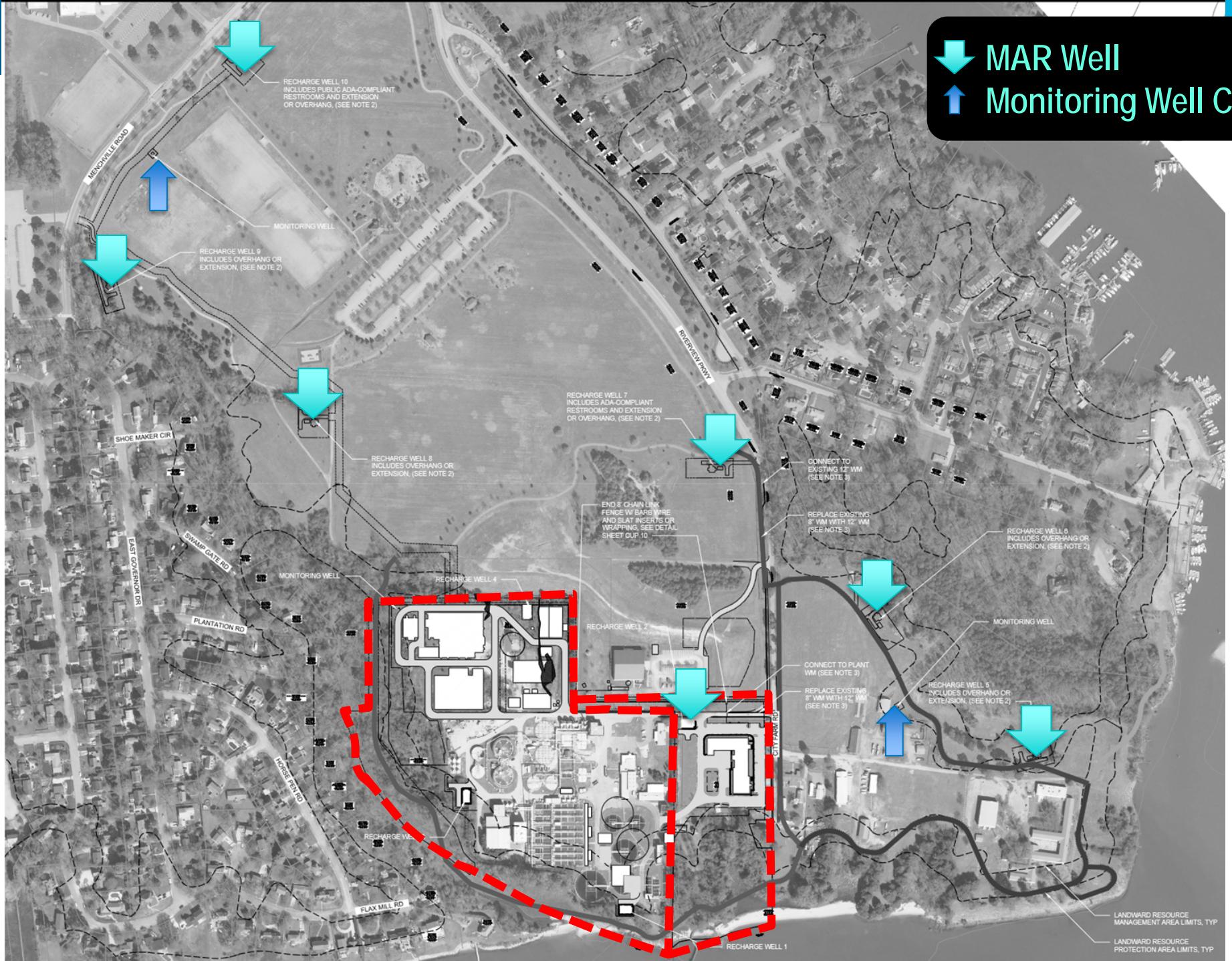
On Site **MAR Wells**



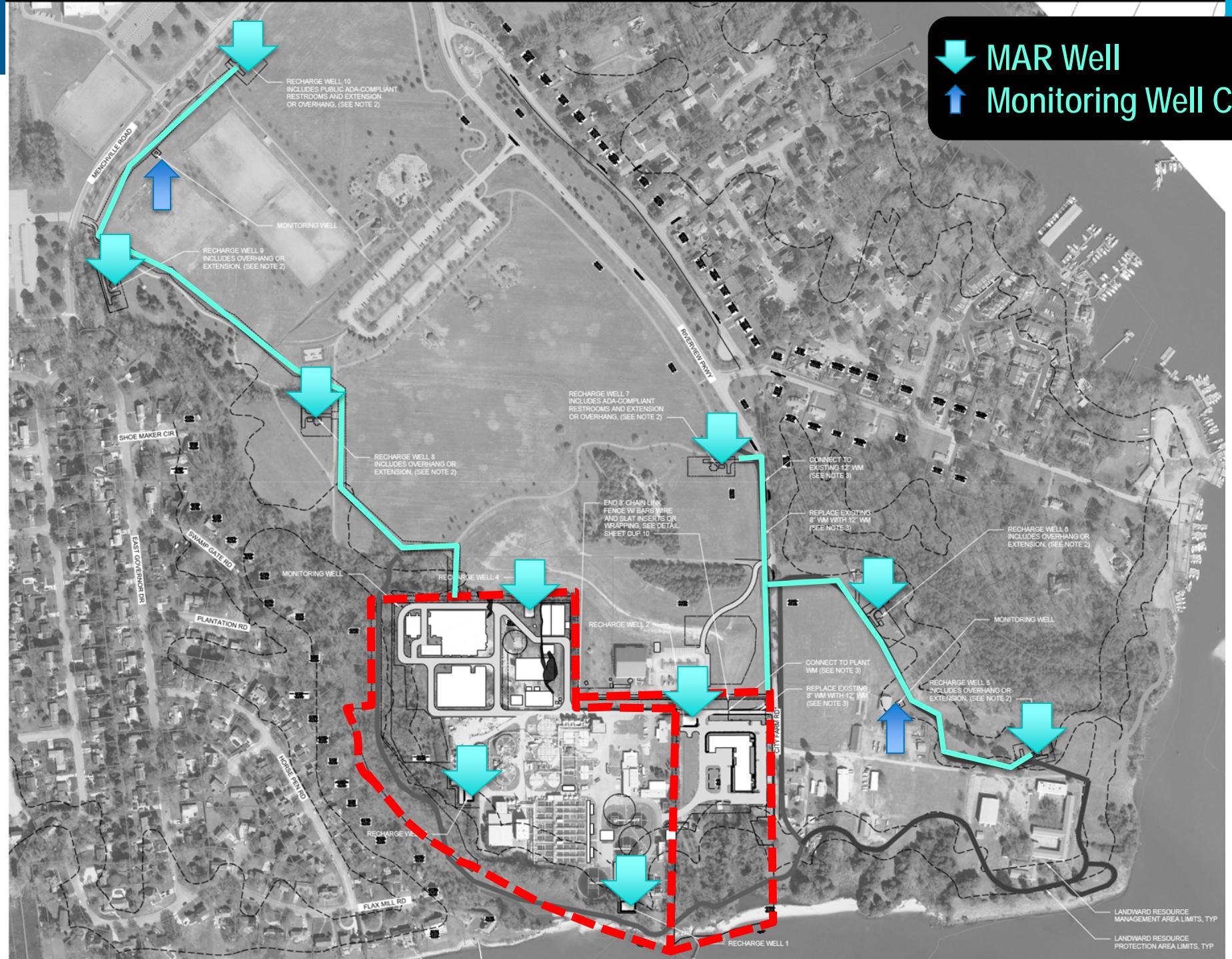
↓ MAR Well

↑ Monitoring Well Cluster

Off Site MAR Wells and Monitoring Wells



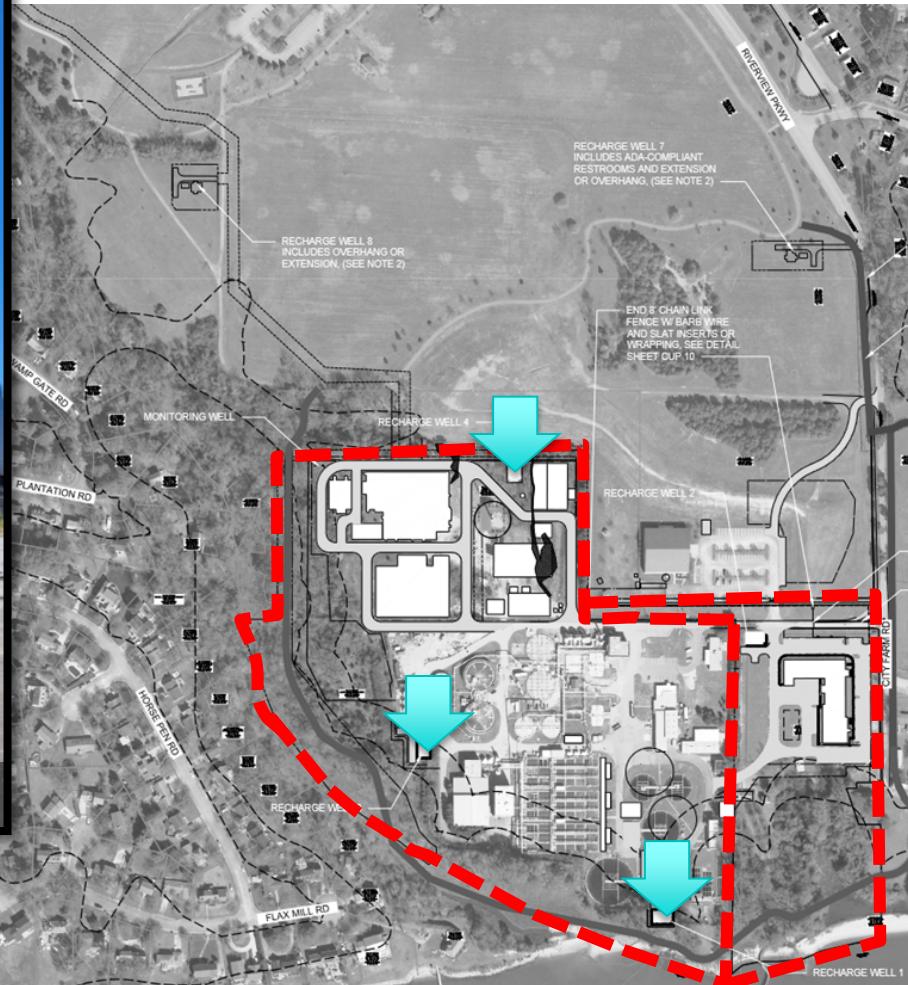
SWIFT Water Pipe Routes

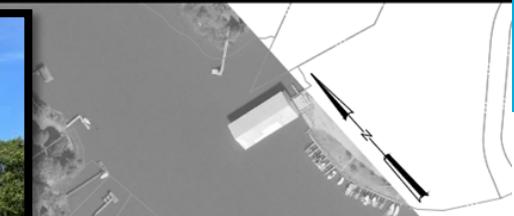
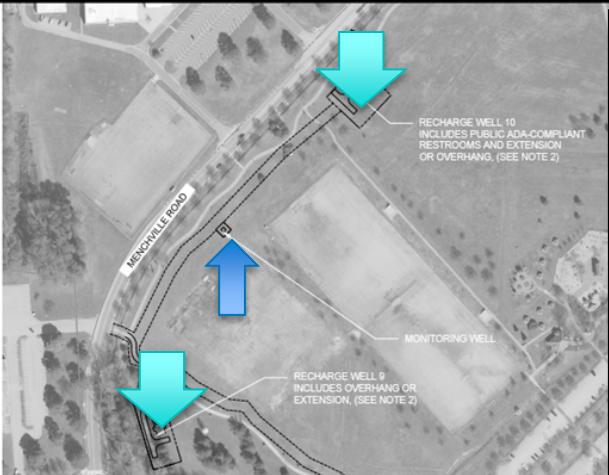
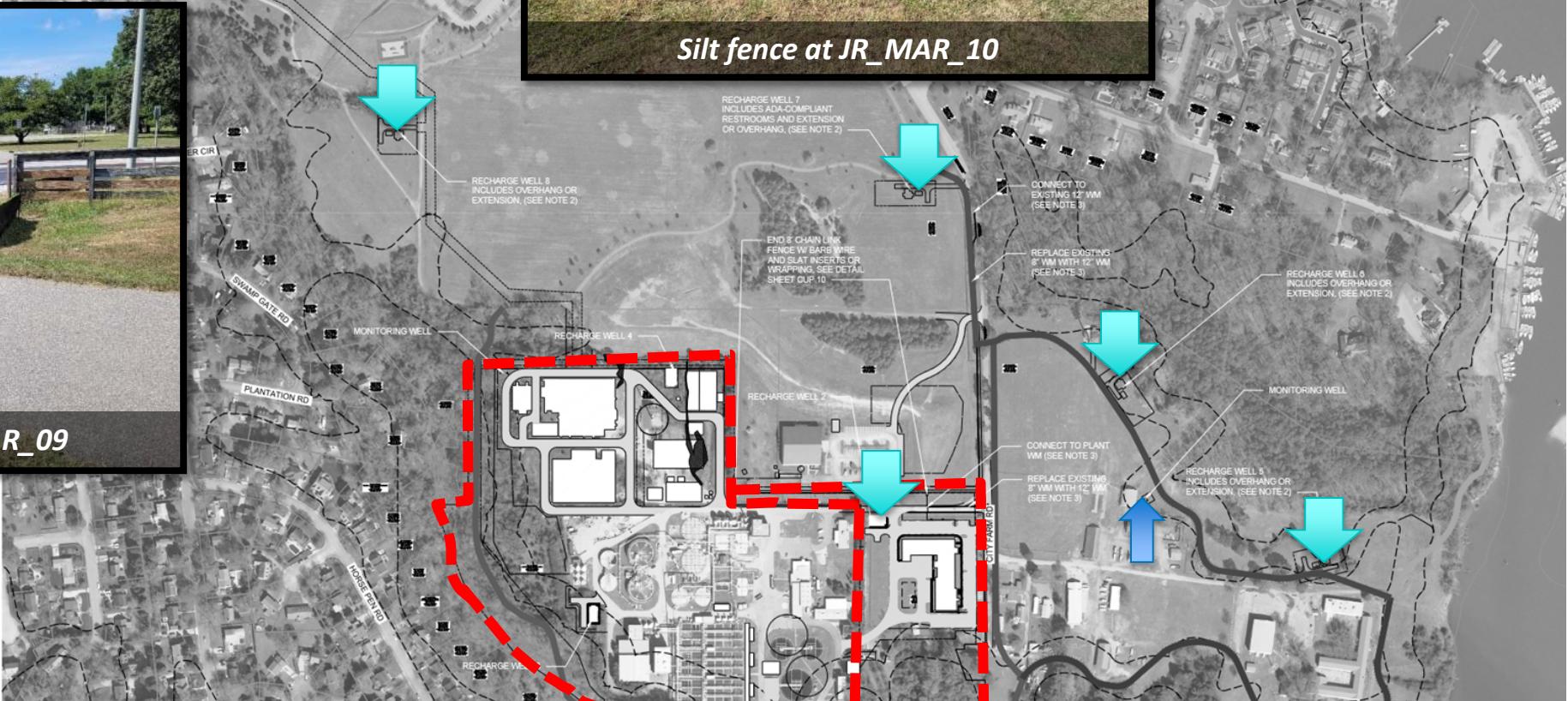


↓ MAR Well

↑ Monitoring Well Cluster

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

