

Clearwater WRF Master Plan

Northeast Water Reclamation Facility

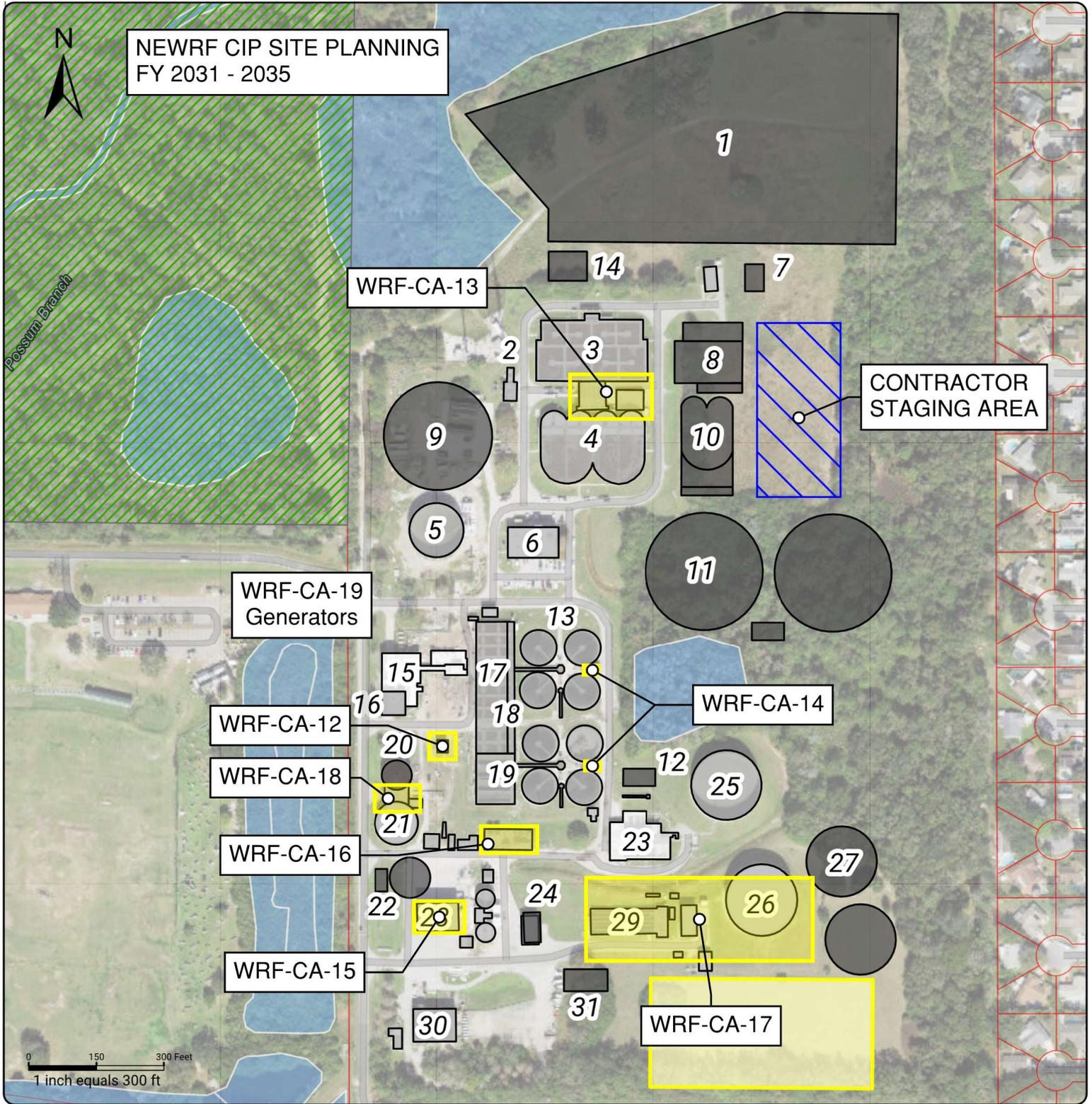
3290 SR 580,
Safety Harbor,
FL 34695

LEGEND		
Clearwater Parks Department	Pinellas Parcels	NEWRF Existing Infrastructure
NEWRF Planned Projects	FL Wetlands	NEWRF Infrastructure to be Removed
	NEWRF New Infrastructure	

1. Space Reserved for Solar Field	Pump Station	22. New 90" Dia. Anaerobic Digester
2. Generator Building	12. New Pump Station to Filter Building	23. Remove Tertiary Filters
3. Fermentation & 1st Anoxic Tanks	13. Secondary Clarifiers	24. New Filter Building
4. Oxidation Ditches	14. New Headworks Building & Primary Filtration	25. Reject Tank
5. Existing Equalization Tank	15. Remove Existing Headworks & Primary Filters	26. Reuse Water GST
6. Control Building	16. Sludge Thickening Building	27. New Reuse GSTs
7. New Electrical & Generator Building	17. 2nd Anoxic Basins	28. Sludge Dewatering Building
8. New Fermentation & 1st Anoxic Tanks & New Dry Pit Submersible Pumps	18. Re-Aeration Basins	29. Chlorine Contact Tank
9. New 5 MG Storage Tank	19. Aerobic Digester	30. Old Lime Treatment Building
10. New Oxidation, 2nd Anoxic & Reaeration Tanks	20. Refurbish Secondary Digester	31. Relocate Chemical Building
11. New Secondary Clarifiers & RAS/WAS	21. Primary Digester	

NEWRF CIP SITE PLANNING 2026 - 2030

Clearwater WRF MP - Alt. No. 3 - Base Case (5-Stage Bardenpho) - 37.33 MGD Peak Flow - 8/27/2025



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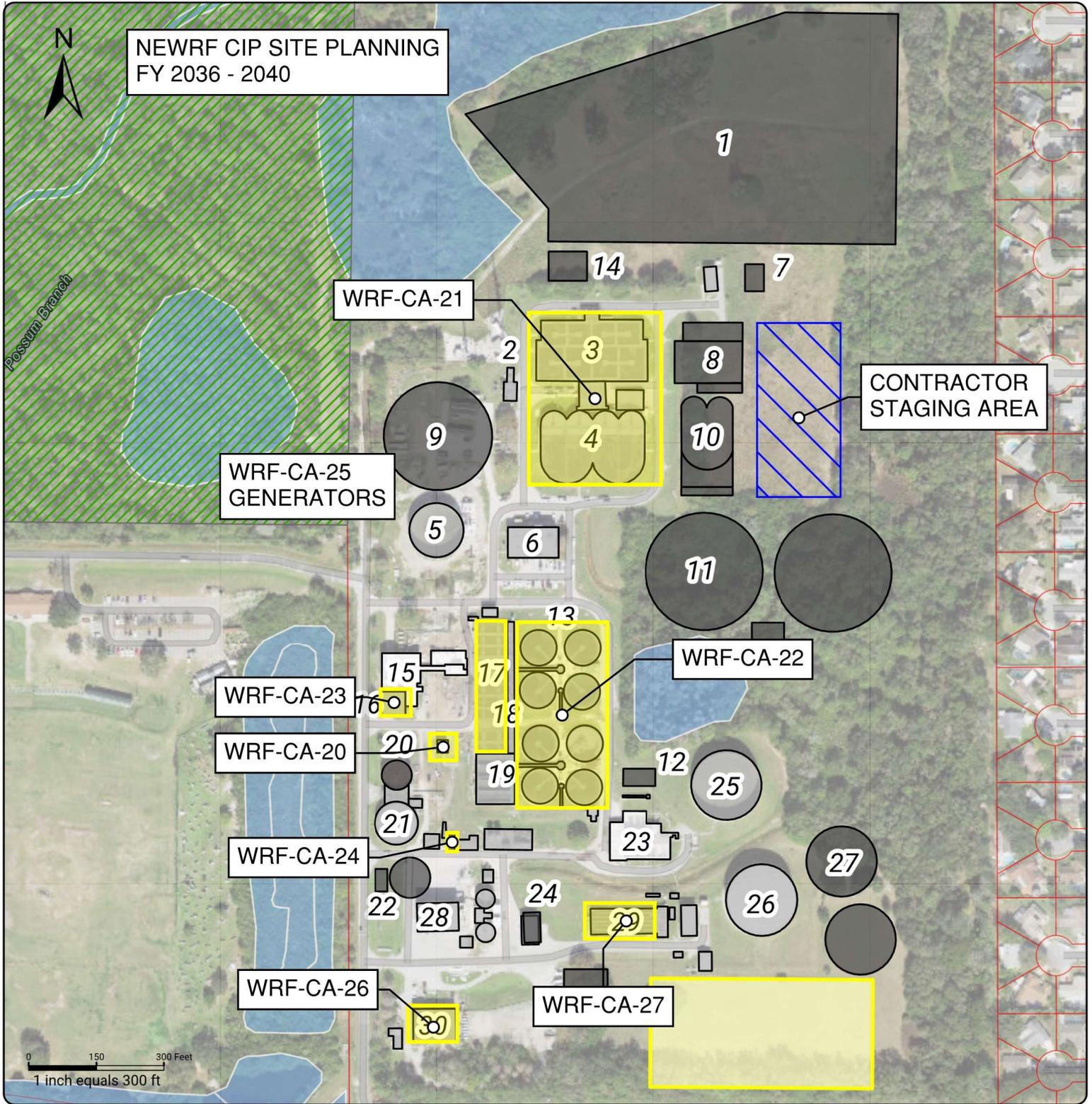
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NEWRF CIP SITE PLANNING 2031 - 2035

Clearwater WRF MP - Alt. No. 3 - Base Case (5-Stage Bardenpho) - 37.33 MGD Peak Flow - 8/27/2025



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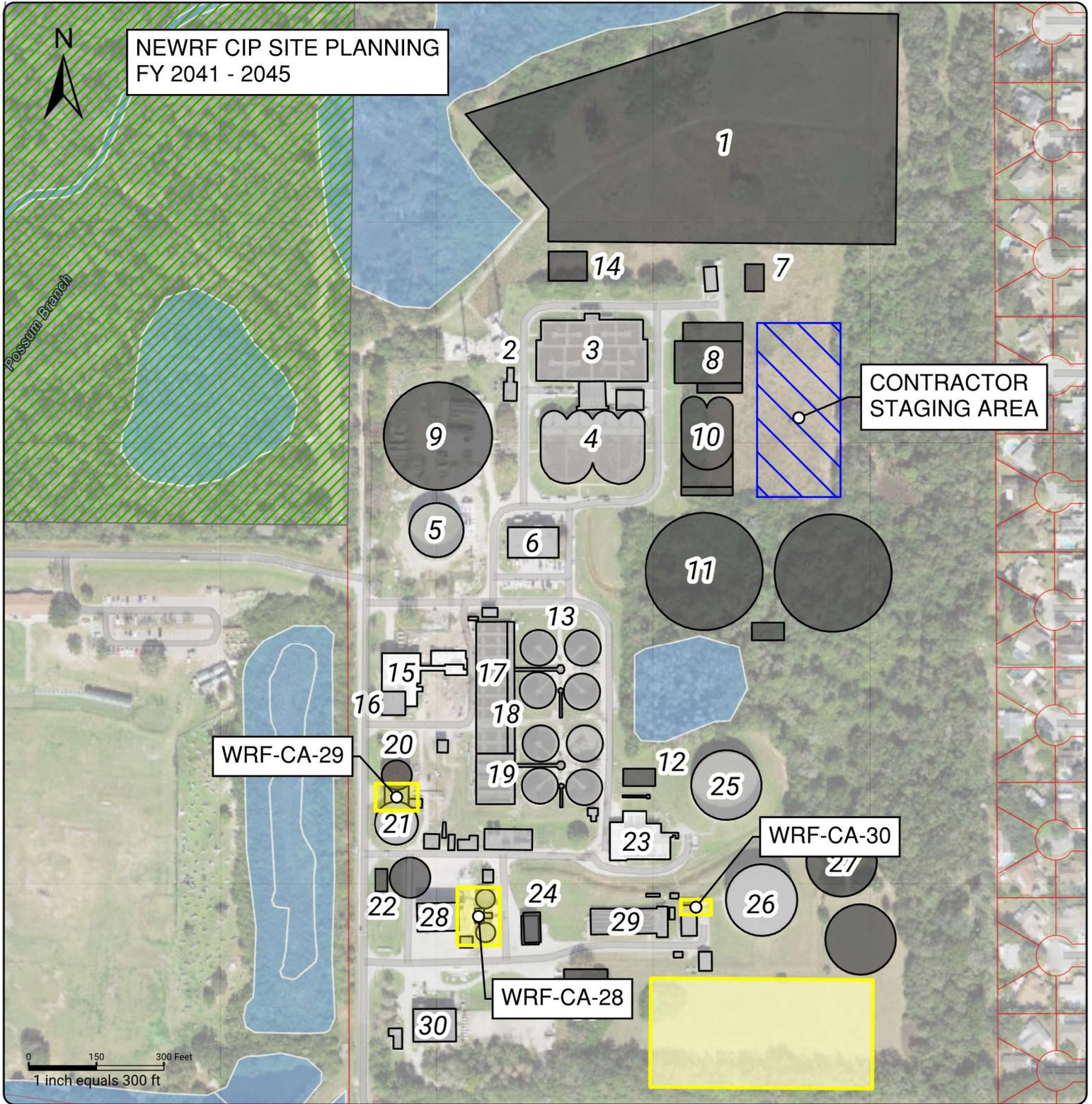
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NEWRF CIP SITE PLANNING 2036 - 2040

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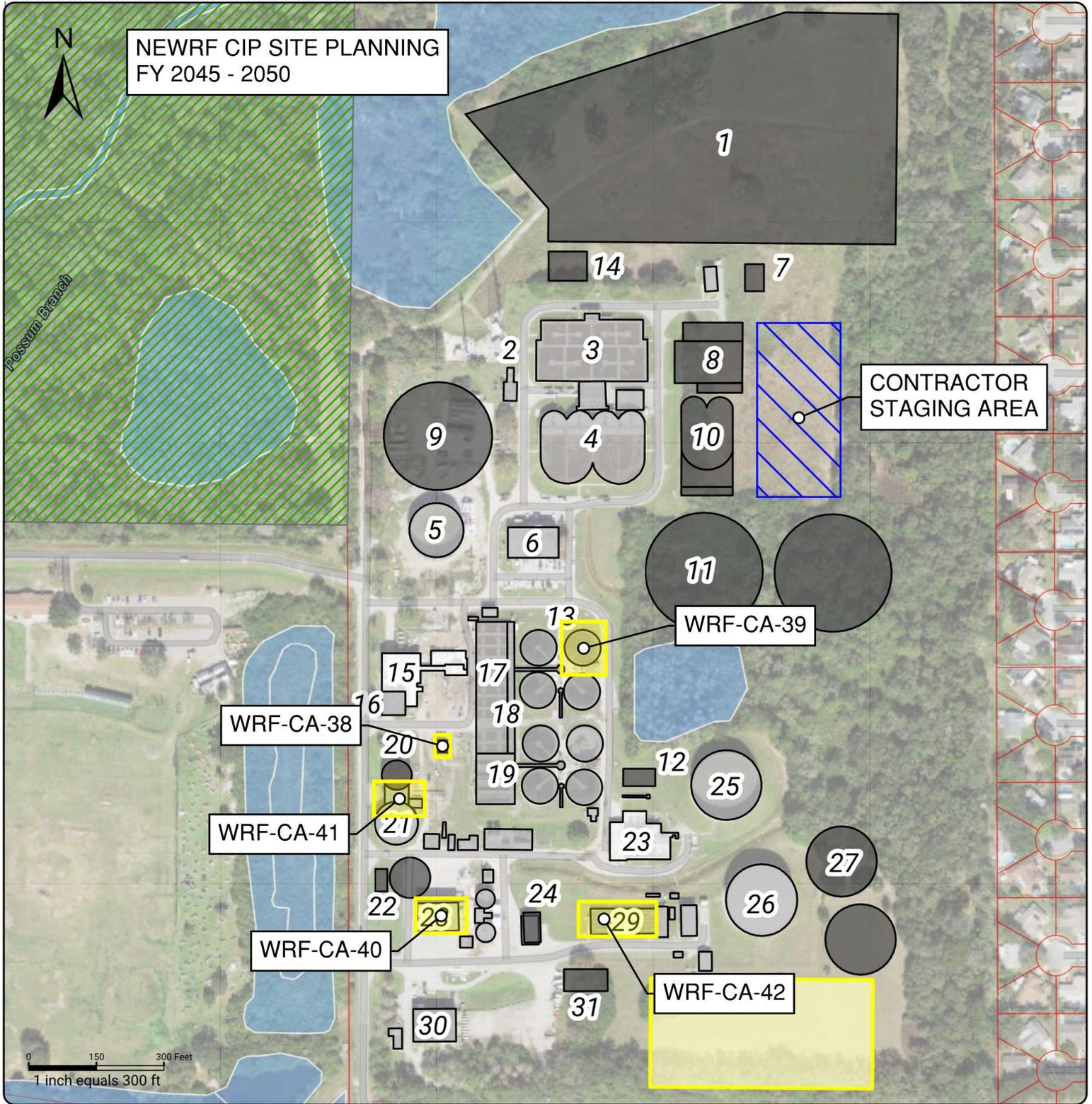
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NEWRF CIP SITE PLANNING 2040 - 2045

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NEWRF CIP SITE PLANNING 2046 - 2050

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