



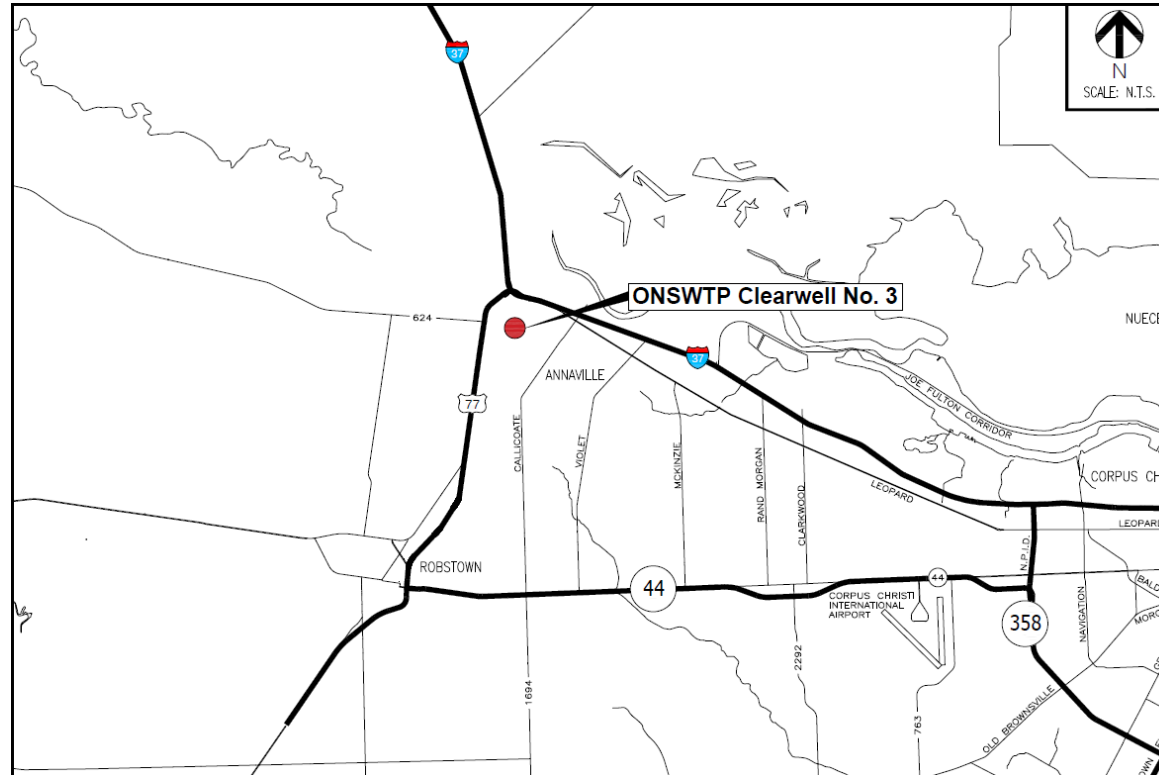
# O.N. Stevens Water Treatment Plant (ONSWTP) Clearwell No. 3



Council Presentation  
April 9, 2019



# Project Location





# Project Vicinity





# Project Scope



This item replaces existing Clearwell No. 1 with new, upsized Clearwell No. 3 and demolishes existing structure. The following is a summary of engineering tasks:

- Detailed field investigations and assessments
- Design for tank foundation, floor, wall, roofing, and baffling
- Design for major reconfiguration of plant water flow, removal of hydraulic bottlenecks, chemical injection, monitoring instrumentation, and power
- Chemical dispersion modeling and water quality monitoring plan
- Participate in on-site workshops to evaluate existing operating strategies and alternatives to optimize treatment process, maintenance, and operating costs
- Preliminary Engineering Letter Report, design review workshops, and detailed construction documents
- Provide bid and construction phase administration and technical support
- Identify improvements to enhance water supply, quality and TCEQ permit compliance



# Project Schedule



2019												2020												2021		
A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M			
<b>Design</b>																										

**Preliminary Design Estimate: 705 Calendar Days = 24 months**

Projected schedule reflects City Council award in April 2019 with anticipated completion by April 2021



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# Questions?





# Photos



↑ One of many cracks in concrete

Aerial view of existing Clearwell and pump station →



Inside the Clearwell ↑