



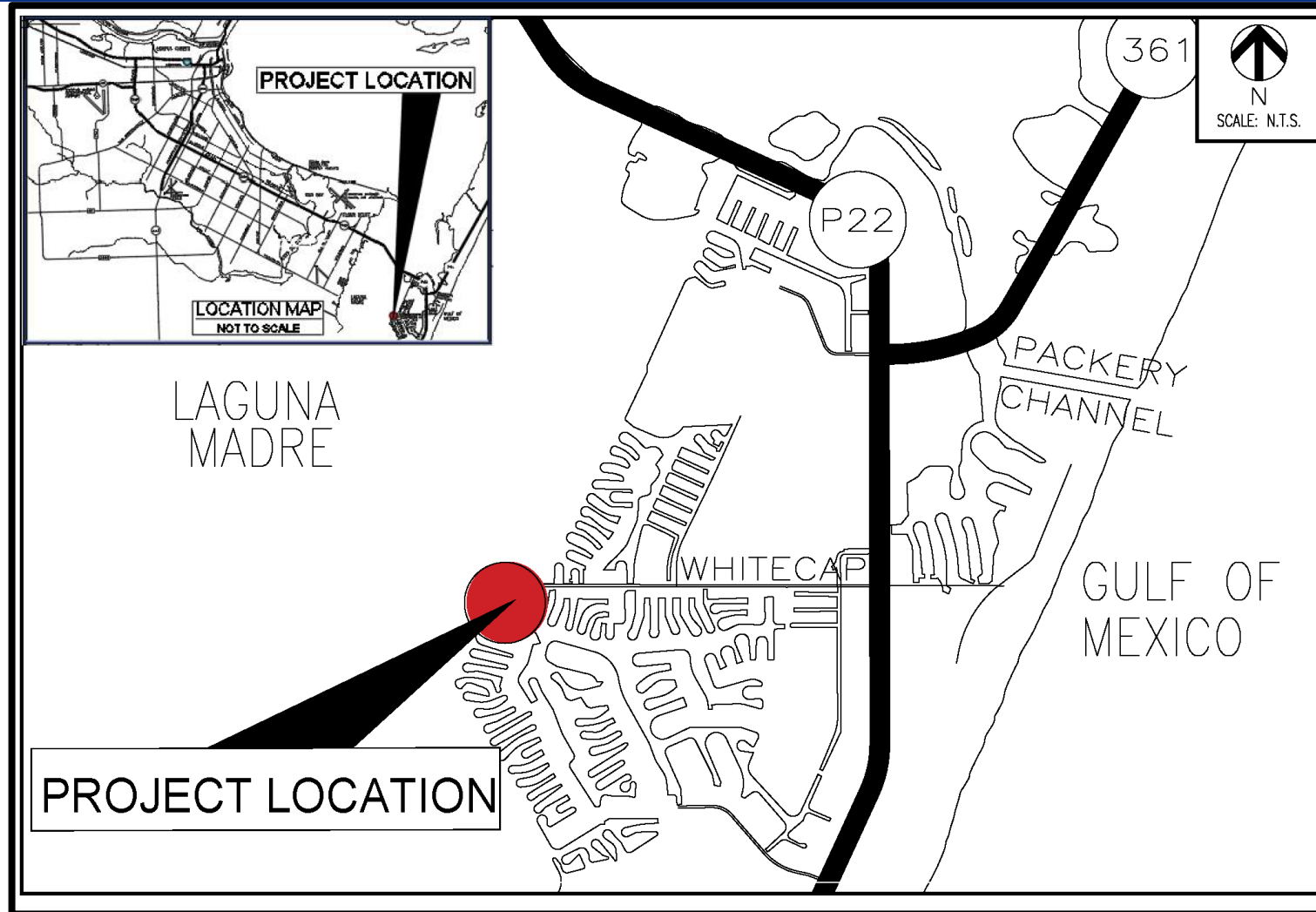
Whitecap Wastewater Treatment Plant Improvements



Council Presentation
March 29, 2022



Project Location





Project Scope



A brief summary of proposed improvements is as follows:

- Installation of new bar screen with new washer compactor.
- Pumps and piping will be replaced at influent lift station.
- New grit removal system consisting of stacked tray vortex grit removal system with two centrifugal grit pumps and a concentrator/classifier/washer system.
- Air piping and diffusers will be replaced in the aeration basins. An additional blower will be installed in Blower Building 2.
- Interior mechanisms on both secondary clarifiers will be replaced and new scum pump will be installed to Secondary Clarifier #2.
- Four new RAS/WAS pumps will be installed in the secondary pump station along with the necessary piping modifications to allow one set of RAS/WAS pumps to perform both functions of pumping both RAS/WAS.
- Existing aerobic digester structure is being reconfigured to incorporate pre- and post-digestion thickening and the jet aeration system.
- New volute screw press will be installed in the spare bay of the solids handling building, including polymer feed system.



Project Vicinity





Project Schedule



2020 - 2021		2022 - 2024		
September - December	J	F	M	April - December
Design	Bid/ Award			Construction

Projected Schedule reflects construction beginning in April 2022 with anticipated completion by December 2024.