



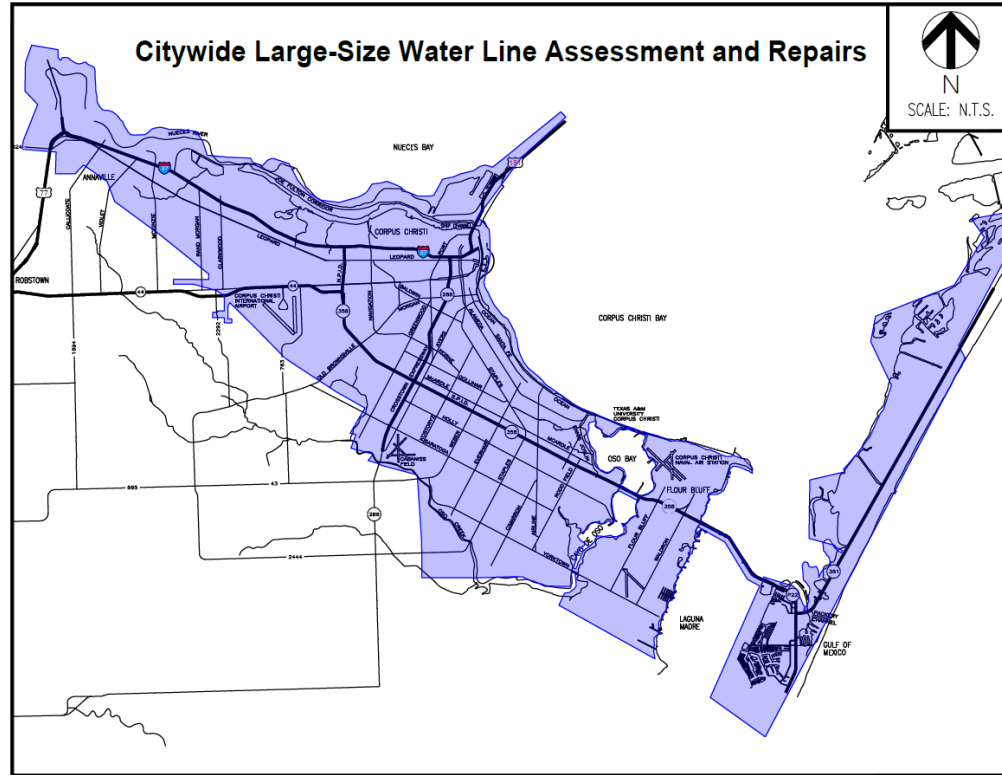
Citywide Large-Size Water Lines Assessment and Repairs



Council Presentation
March 19, 2019

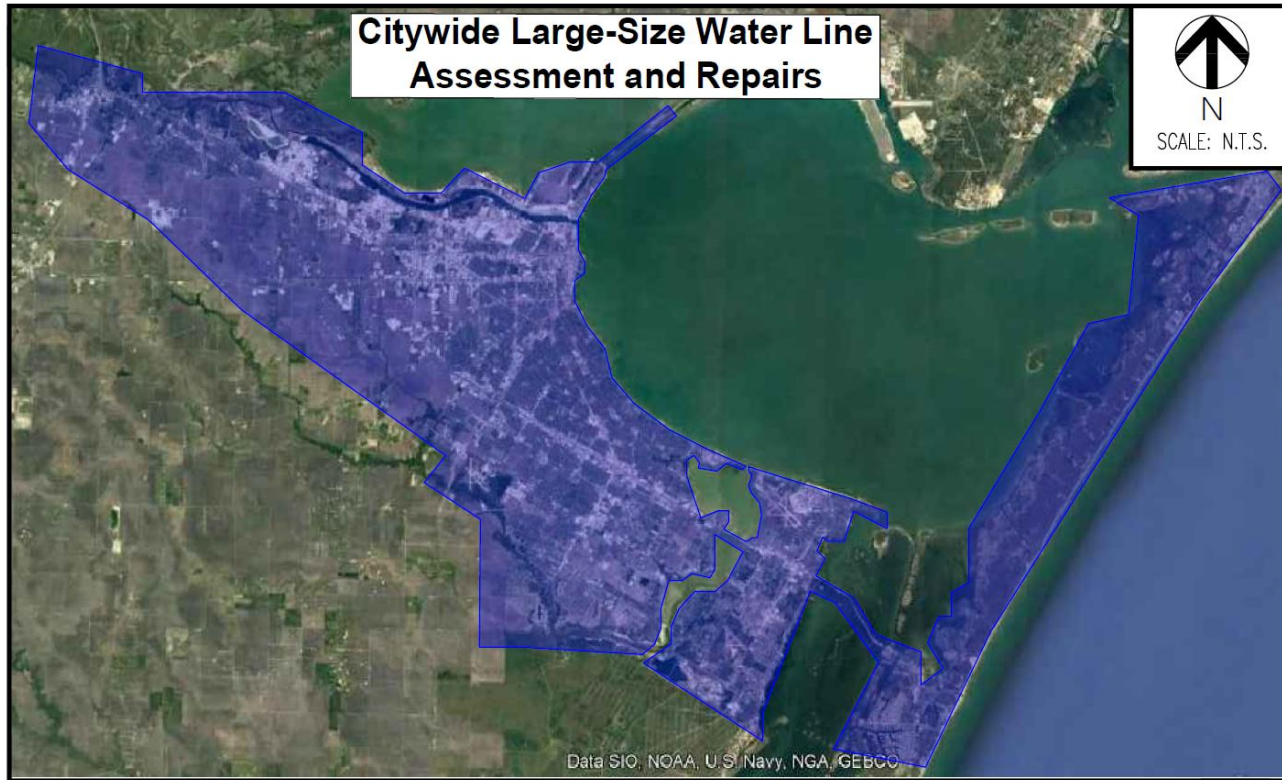
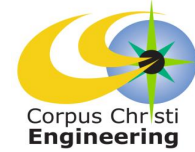


Project Location



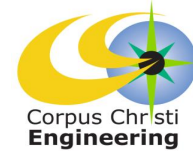


Project Vicinity





Project Scope

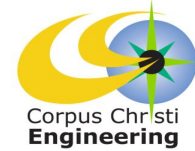


This MSA provides engineering services to perform condition assessments to develop short-term and long-term improvements to existing large diameter (over 16-inches) water transmission lines as follows:

- Review of existing documentation; record drawings, maintenance and repair records
- Physical investigations/inspection of surface and subsurface conditions
- Testing to verify integrity of joint and pipeline
- Cathodic protection system inspection and corrosion survey (External Corrosion Direct Assessment)
- Investigations to witness excavation pipeline inspection (external and internal)
- Additional non-destructive inspection techniques to evaluate potential leakage for lines that cannot be taken out of service or are not able to be physically entered
- Provide a report with findings and recommendations
- Design repair, replacement and/or other rehab details for leaking or damaged pipe segments
- Design replacement of new sacrificial anode or impressed current cathodic protection systems



Project Schedule



2019			2020				2021				'22
Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Engineering Support and Design											

Projected schedule reflects City Council award of MSA in March 2019