

Nueces River Groundwater Well Program

DRAFT

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Historical Use

The City of Corpus Christi has a history of developing groundwater wells to supplement water supply during times of extreme drought

- Program first implemented in the 1950s
- Wells drilled along the Nueces and Atascosa River during construction of Wesley Seale Dam
- In 1984, the use of groundwater was reinstated as a supplemental water supply
- Wells were utilized into the mid 1990s.

Program Goal

To provide a supplemental water supply into the Nueces River that will be transported by the river to the Nueces River Pump Station



Existing Wells

- Investigation began in January, 2025 to review the viability of existing wells previously utilized in the Nueces River Groundwater Program
- Nine wells have been investigated
- Most were found to not be viable

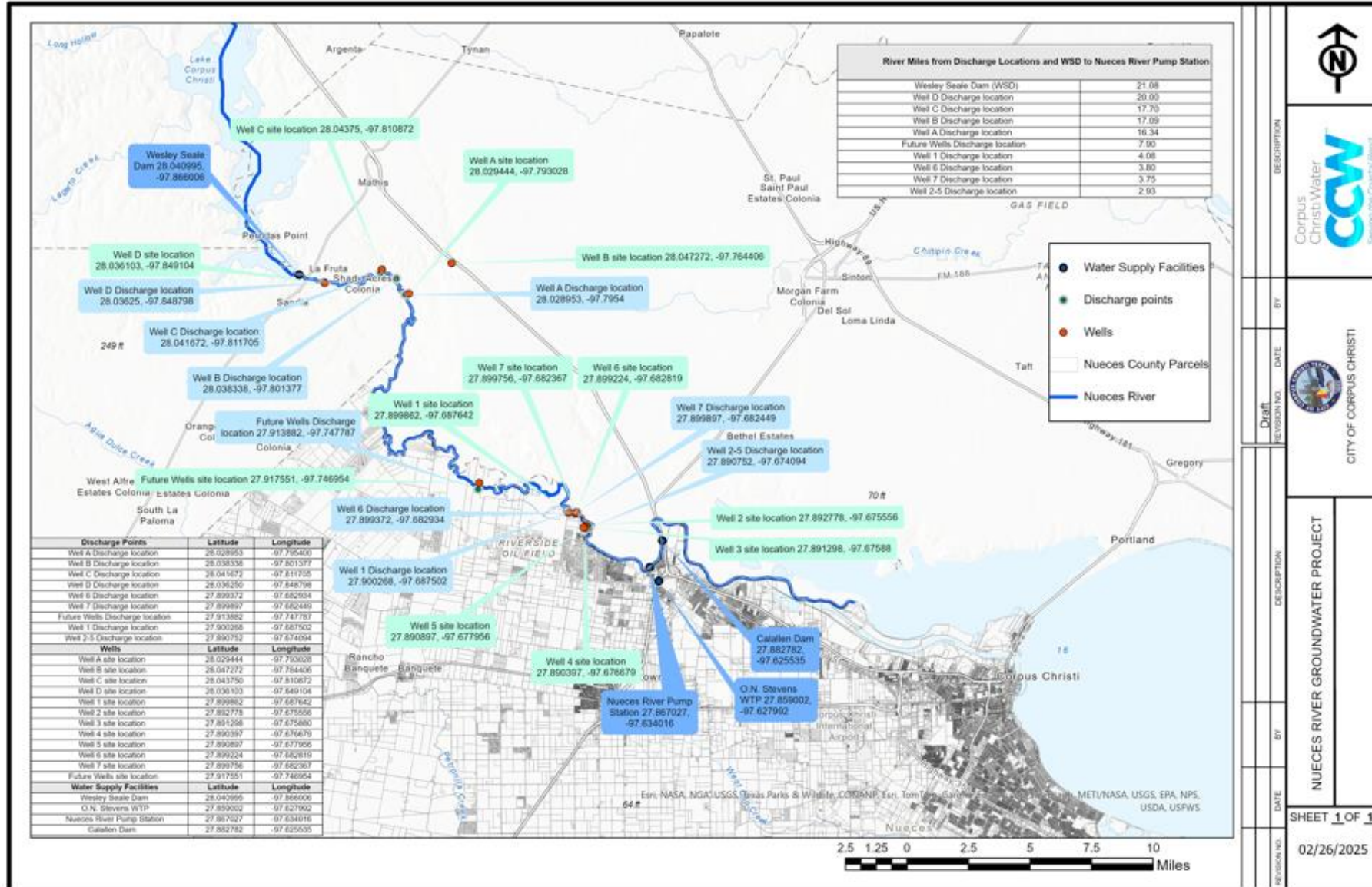


New Wells

- Seven well sites have been identified on existing City property that is adjacent or in close proximity to the Nueces River
- CCW has worked to clear and prepare the sites
- Weisinger, Inc. has been contracted for well drilling
- CCW crews will install discharge lines
- CCW and CC Gas will install gas lines for natural gas generators to operate the well pumps



Well Locations



DESCRIPTION
 NUECES RIVER GROUNDWATER PROJECT

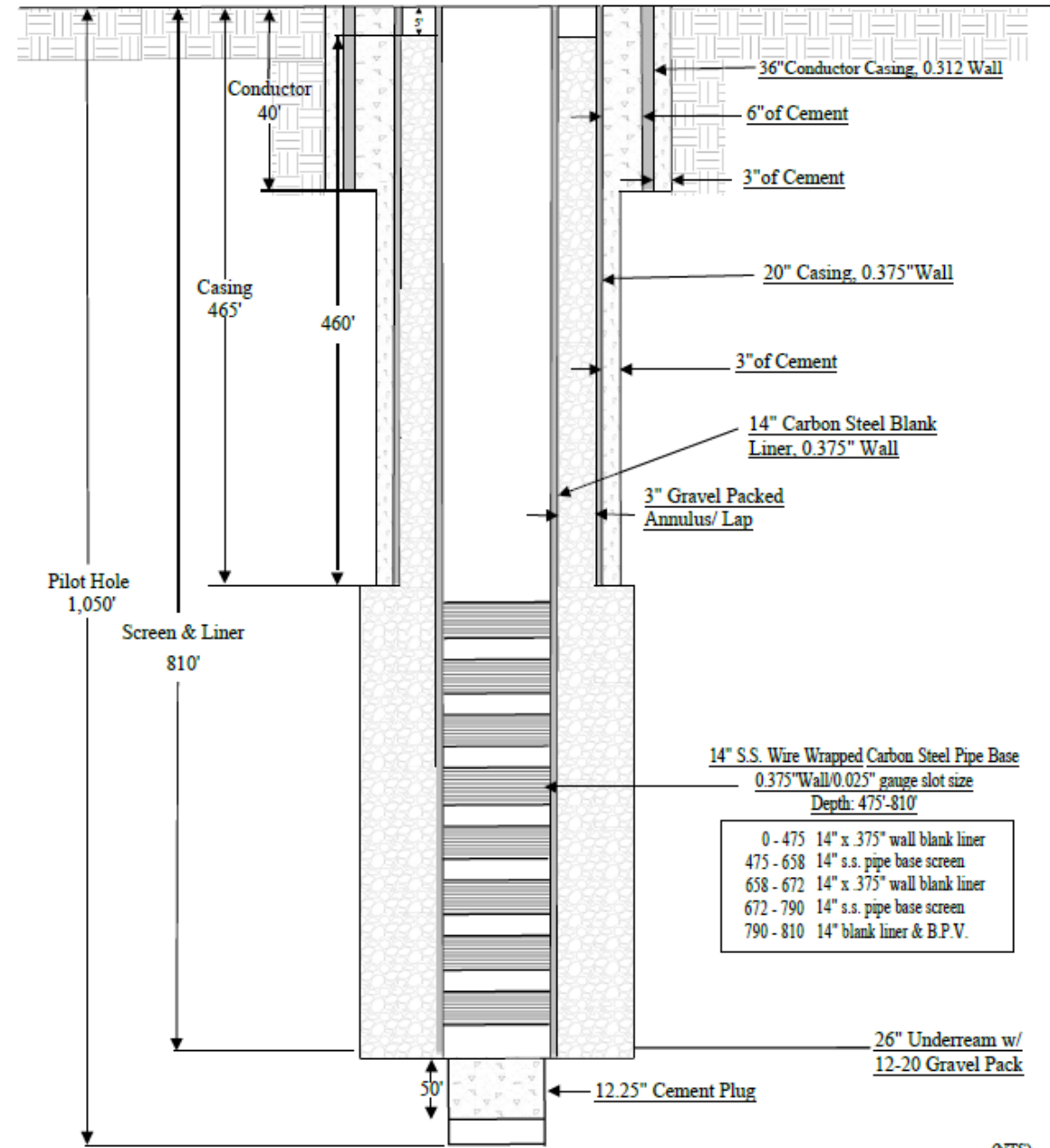
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SHEET 1 OF 1



New Well Construction

- The Well no. Pilot hole was drilled and logged to 1050'
- Wells will be completed to target the lower Chicot Formation and the Upper Goliad portion of the Evangeline Formation in the Gulf Coast Aquifer
- 20" cemented casing to 465'
- 26" under-reamed hole to 810'
- 14" production screen and casing



Summary

- Test pumping of Well No. 1 to begin Mid-March
- Subsequent drilling will begin on Well Nos. 2 to 7
- CCW and CC Gas crews working on required infrastructure
- Well productivity and quality will be better identified after test pumping of Well No. 1
- Additional well sites are being investigated
- Even after Western reservoirs recover, the program will be continued - wells and pumps will be maintained



The top half of the slide features four horizontal, wavy bands of varying shades of blue, ranging from a light cyan to a darker blue, creating a sense of movement and depth.

Thank you!

