



Project Completion Summary

Project Title: WRF-3 Sewer Force Main, Project No. 2017-20 and Temescal Canyon Road Backbone Project, Project No. 2019-01

Location: Sewer force main (SFM) alignment is located along the south side of Cajalco Road from Temescal Canyon Road (TCR) to Grand Oaks a distance of approximately 1,100 feet and along the westerly side of TCR from Cajalco Road southerly a distance of approximately 800 feet where it crosses TCR to the WRF3 site on the east side of TCR.
The electric duct bank follows the SFM alignment, extending north across Cajalco Road to the Grand Oaks entrance, and extending 400 linear feet south of the WRF3 entrance along Temescal Canyon Road. Improvements are shown in exhibit A.

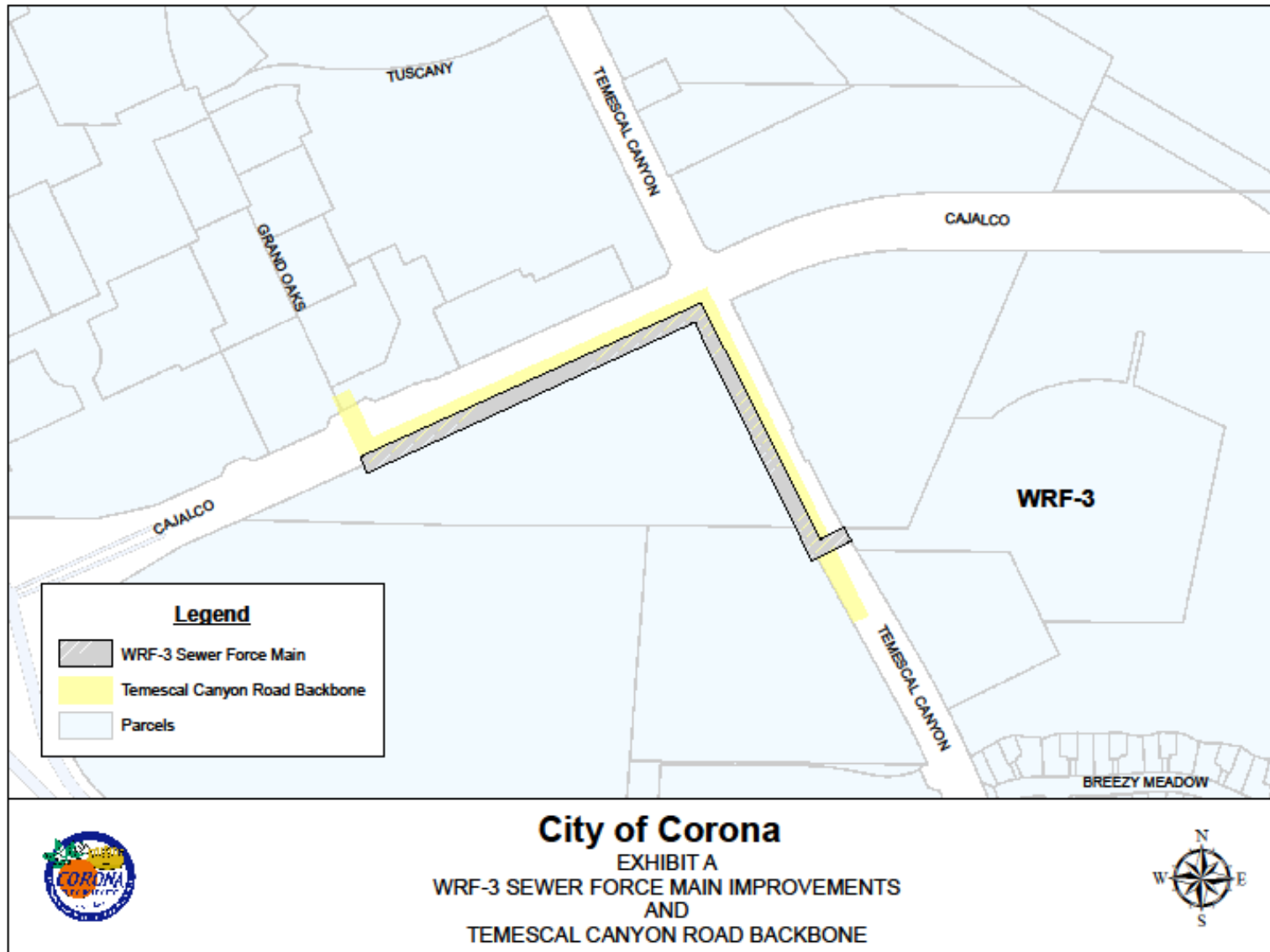
Description: Installation of approximately 2,100 linear feet of dual 10-inch sewer force main, 300 linear feet of 3-inch fiber optic conduit, and 1,660 linear feet of four 6-inch electrical conduits. Construction included a 42-inch steel casing under Bedford Wash, 3 large electrical vaults, 3 fiber optic pull boxes, and a sewer manhole with 2 pressure surge relief valves. Restoration of street pavement, concrete surfaces, street median, landscaping, fencing, and retaining wall replacement.

Schedule: Construction started September 2019 - completed December 2019.

Project Cost: \$1,502,918.28

Funding: Sewer Utility Fund (572) and Electric Utility Fund (578)

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**DUAL HDPE FORCE MAIN
(CAJALCO RD / TEMESCAL CANYON RD)**



HDPE FUSION MACHINE

**WRF-3 Sewer Force Main, Project No. 2017-20 and
Temescal Canyon Road Backbone Project, Project No. 2019-01**



**WELDING 42-INCH STEEL
CASING SECTIONS**



**BORE & JACK STEEL CASING
BENEATH BEDFORD WASH**

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**SEWER FORCE MAIN MANHOLE
(FOR SURGE VALVES)**



FORCE MAIN SURGE VALVE

**WRF-3 Sewer Force Main, Project No. 2017-20 and
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***INSTALLATION OF ELECTRIC CONDUIT WITH
ENCASEMENT***



ELECTRIC VAULT INSTALLATION

**WRF-3 Sewer Force Main, Project No. 2017-20 and
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MILL AND OVERLAY PAVEMENT REPAIR



FINAL PAVING