

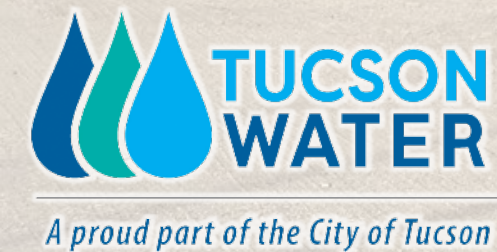
THE PLANNING CENTER
a division of TPC Group, Inc.



WELL D-049

SCADA UPGRADES

Design Review Board – July 8, 2022



CONTEXT MAP



S PANTANO ROAD

S ALANDALE PLACE

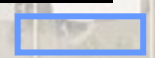
S SHERWOOD VILLAGE DRIVE

SUBJECT
PROPERTY

E SCARLETT STREET

S ALANDALE AVENUE

LEGEND



Well D-049 Property (0.11 AC)



WHAT IS SCADA?



Well Site D-049 is a critical water supply facility and provides service within the Tucson Water service area

To ensure the Well Site D-049 is optimally operating, some technology upgrades are needed to the SCADA system.

Supervisory Control and Data Acquisition (SCADA) System is a computerized remote monitoring system that moves water efficiently throughout the community, maintains water pressure, collects water system data, and regulates water monitoring.

This type of sensitive equipment requires an approximately 9-foot shade structure to protect it from the elements.

EXISTING CONDITIONS

EARTHEN CHANNEL

SHADE STRUCTURE WITH
ELECTRICAL EQUIPMENT
(APPROX. 9')

CHLORINE
BUILDING

YARD ENCLOSED WITH 6' CHAIN LINK
FENCE WITH 1' OF BARBED WIRE AND
PRIVACY SLATS

WELL E-016A

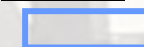
5,000 GAL
HYDROTANK

12' VEHICULAR
GATE

3' PEDESTRIAN
ACCESS

12' VEHICULAR
GATE

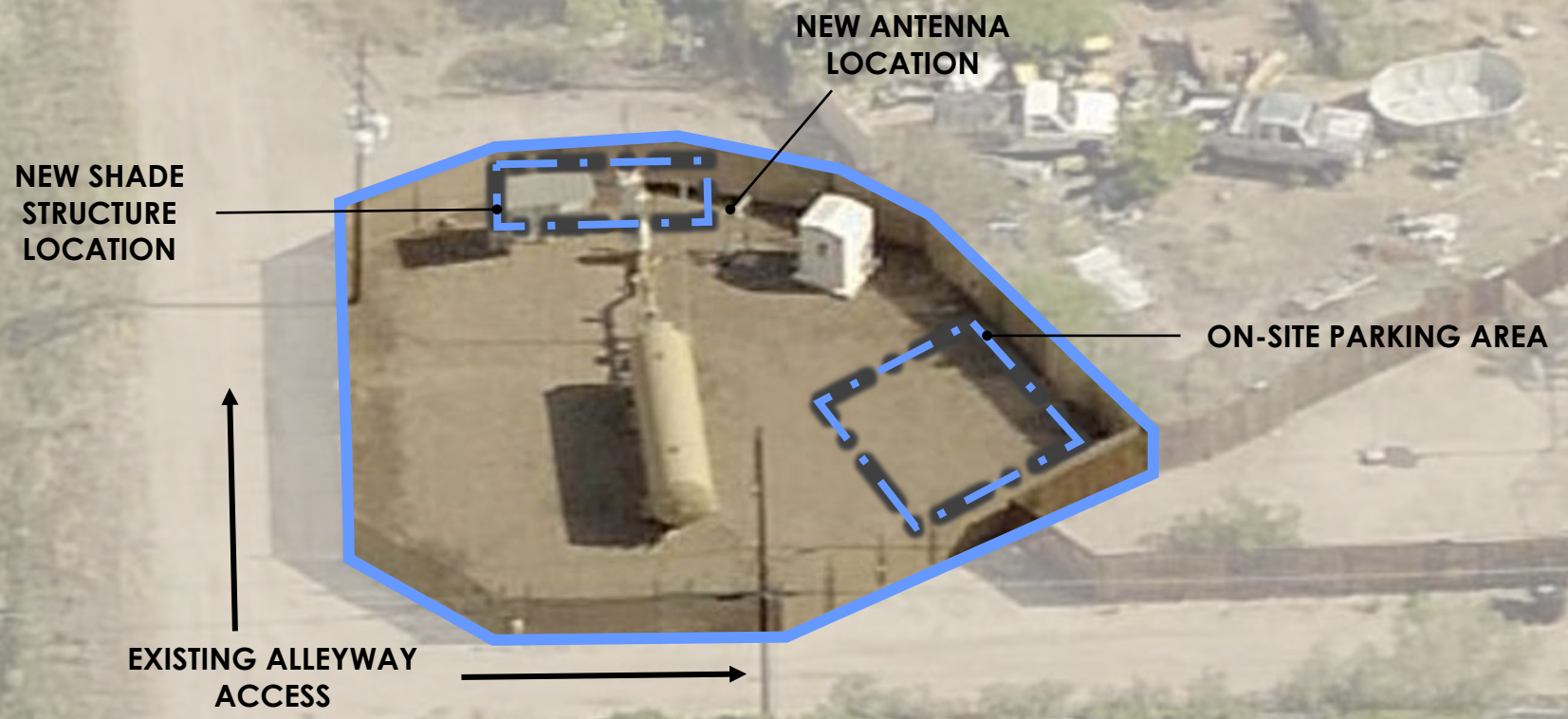
LEGEND



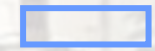
Well D-049 Property (0.11 AC)



PROPOSED MODIFICATIONS



LEGEND

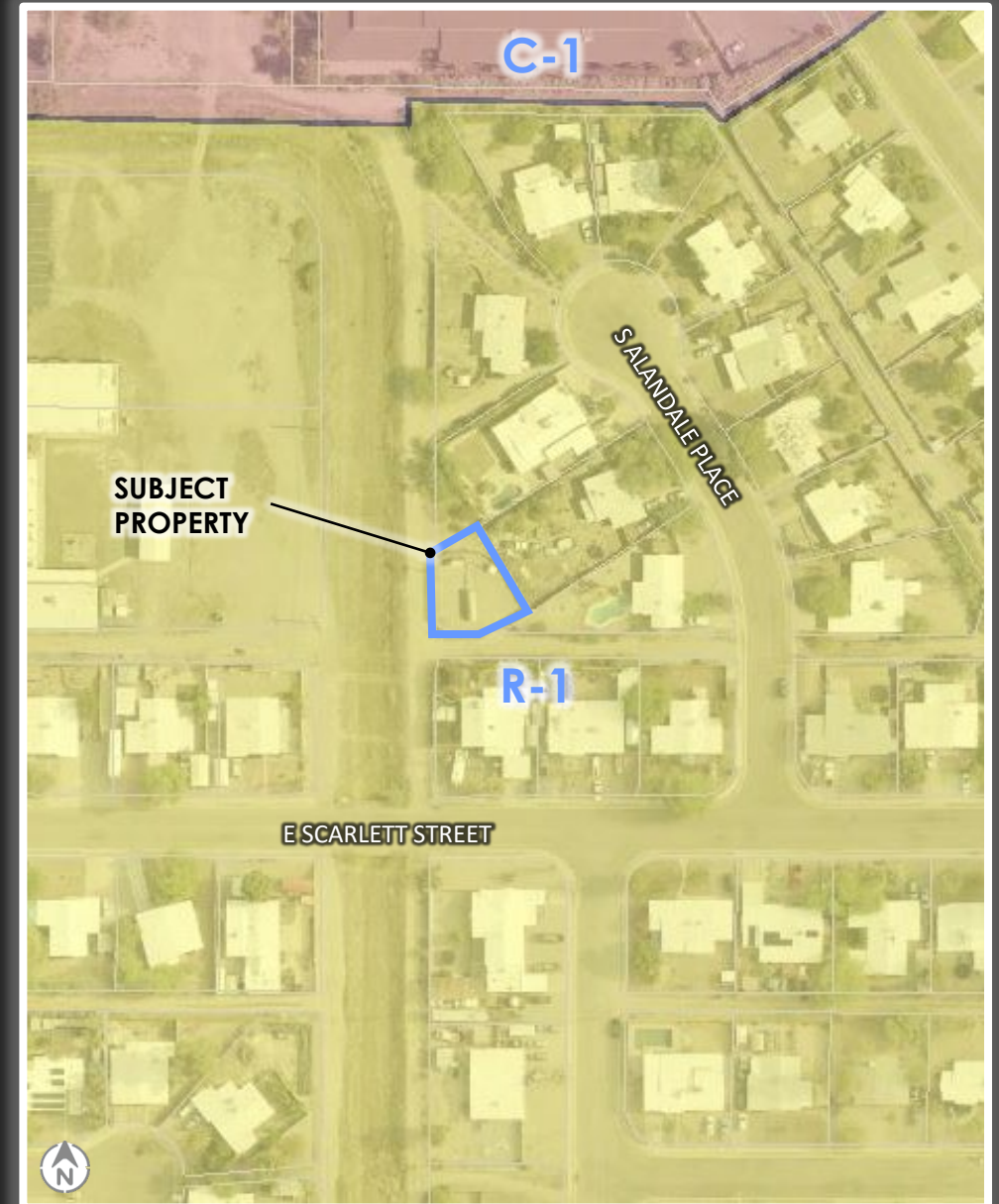


Well E-049 Property (0.11 AC)



SPECIAL EXCEPTION PROCESS

- Process to allow specific land uses on properties with zoning designations that would not typically permit the use.
 - A **Well** is considered “Utility Distribution Use” which is not outright permitted in R-1 zone (residential zone)
- Requires conformance with “use-specific” standards and approval from the Zoning Examiner
- Applicable Use-Specific Standards
 - *The setback of the facility, including walls or equipment, shall be 20 feet from any adjacent residential zone*
 - *The use shall not have any service or storage yards*
 - *The Design Review Board (DRB) shall review all applications and make recommendations to the Zoning Examiner to ensure compatibility with surrounding uses*
 - *The use shall be located wholly within an enclosed building or within an area enclosed on all sides with a masonry wall or compact evergreen hedge, not less than six feet, nor more than ten feet, in height*
 - *The use shall be limited to water pumping and storage facilities, telephone exchanges, and power substations with an input voltage of no greater than 138 kilovolts*





A proud part of the City of Tucson



WELL D-049 SCADA UPGRADES

QUESTIONS???