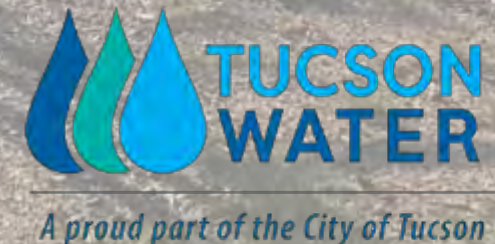


WELL E-004A SCADA UPGRADES

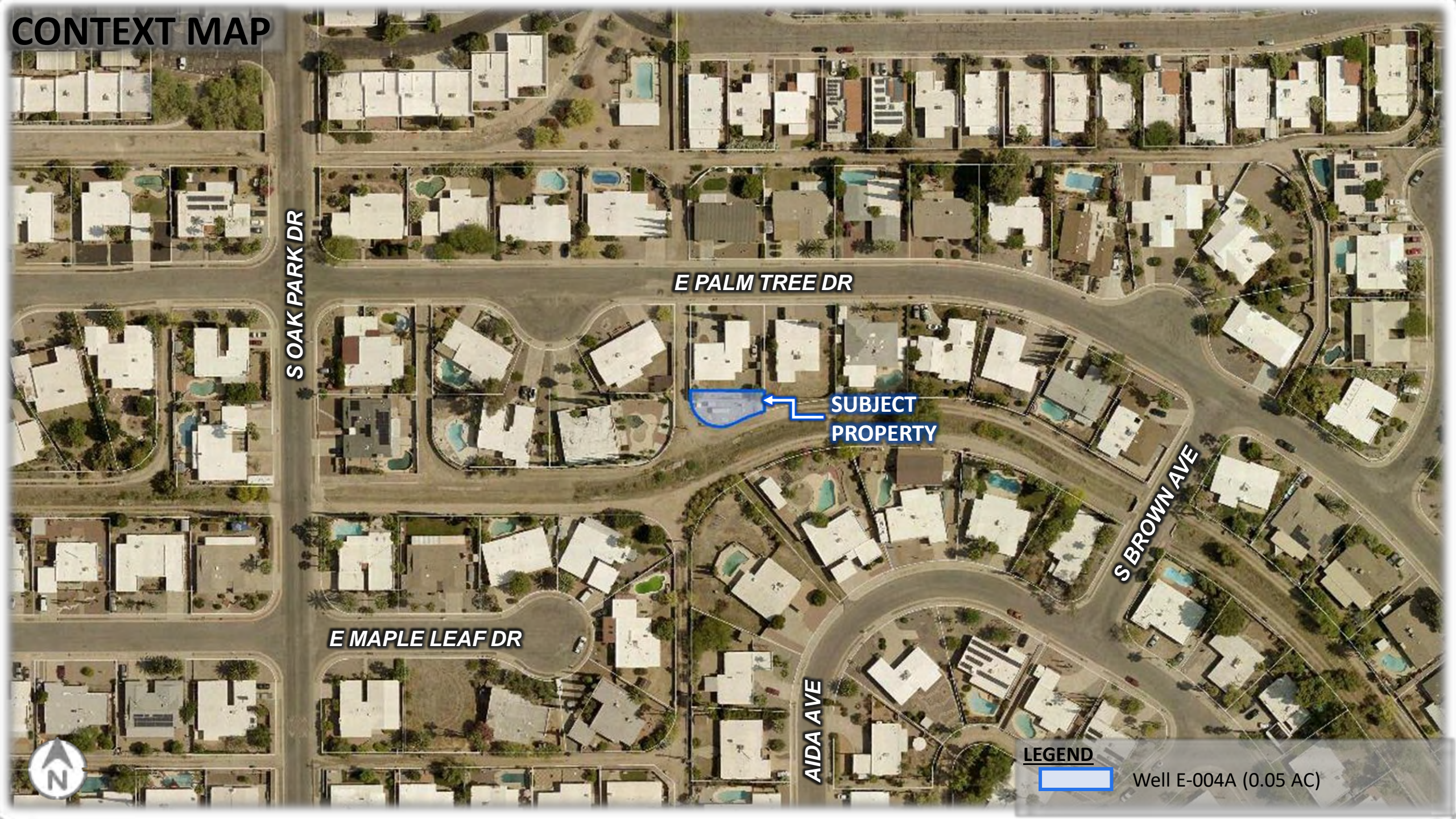
9102 E Palm Tree Drive

Design Review Board

November 23, 2021



CONTEXT MAP



SOAK PARK DR

E PALM TREE DR

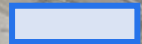
**SUBJECT
PROPERTY**

E MAPLE LEAF DR

AIDA AVE

S BROWN AVE

LEGEND



Well E-004A (0.05 AC)



WHAT IS SCADA?



Well Site E-004A is a critical water supply facility and provides service within the Tucson Water service area

To ensure the Well Site E-004A is optimally operating, some technology upgrades are needed to the SCADA system.

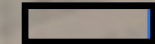
Supervisory Control and Data Acquisition (SCADA) System is a computerized remote monitoring system that moves water efficiently throughout the community, maintains water pressure, collects water system data, and regulates water monitoring.

This type of sensitive equipment requires a shade structure to protect it from the elements.

SITE AERIAL

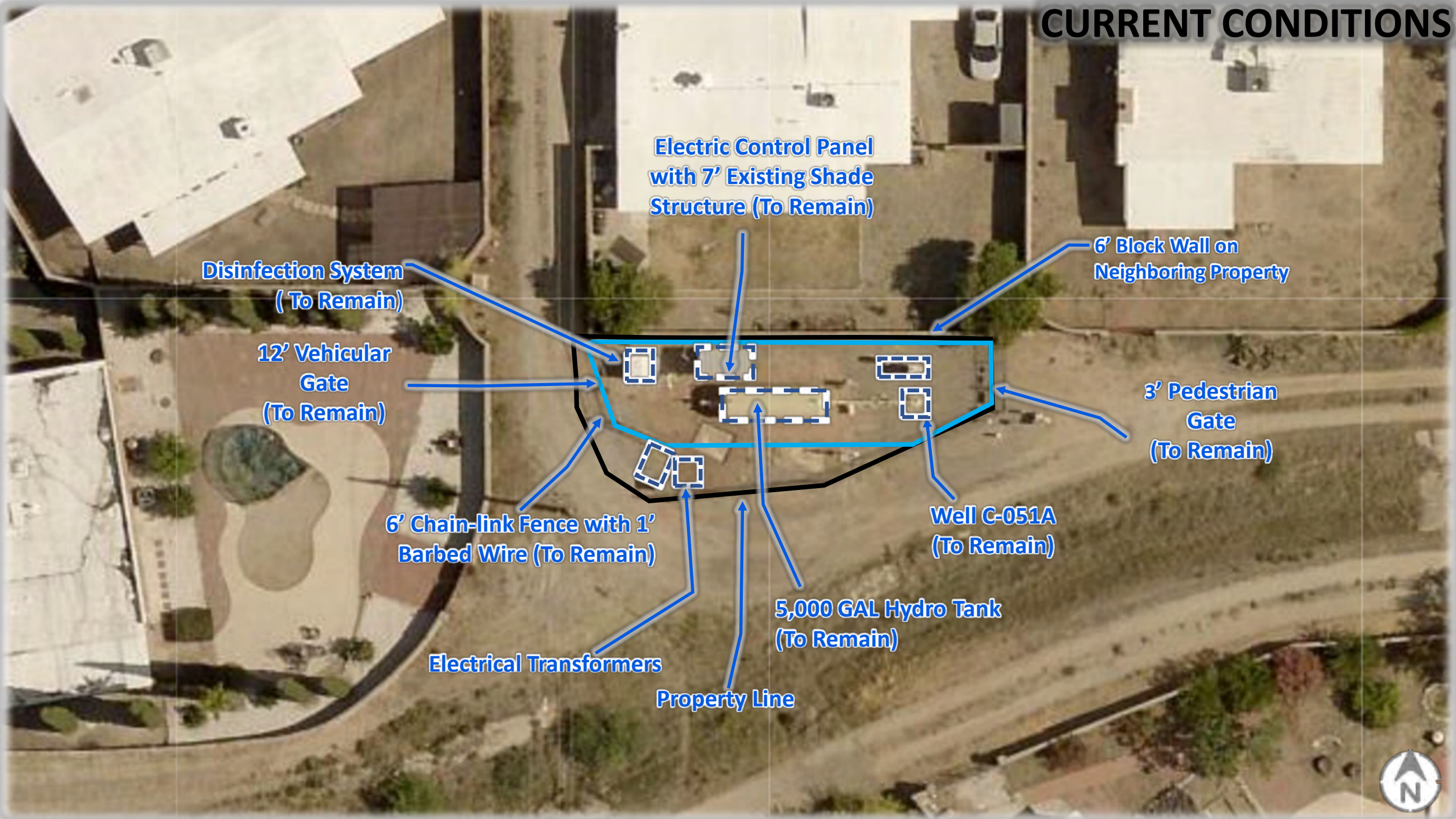


LEGEND



Well E-004A Property (0.05 AC)

CURRENT CONDITIONS



Electric Control Panel
with 7' Existing Shade
Structure (To Remain)

6' Block Wall on
Neighboring Property

Disinfection System
(To Remain)

12' Vehicular
Gate
(To Remain)

3' Pedestrian
Gate
(To Remain)

6' Chain-link Fence with 1'
Barbed Wire (To Remain)

Well C-051A
(To Remain)

5,000 GAL Hydro Tank
(To Remain)

Electrical Transformers

Property Line



PROPOSED SITE PLAN



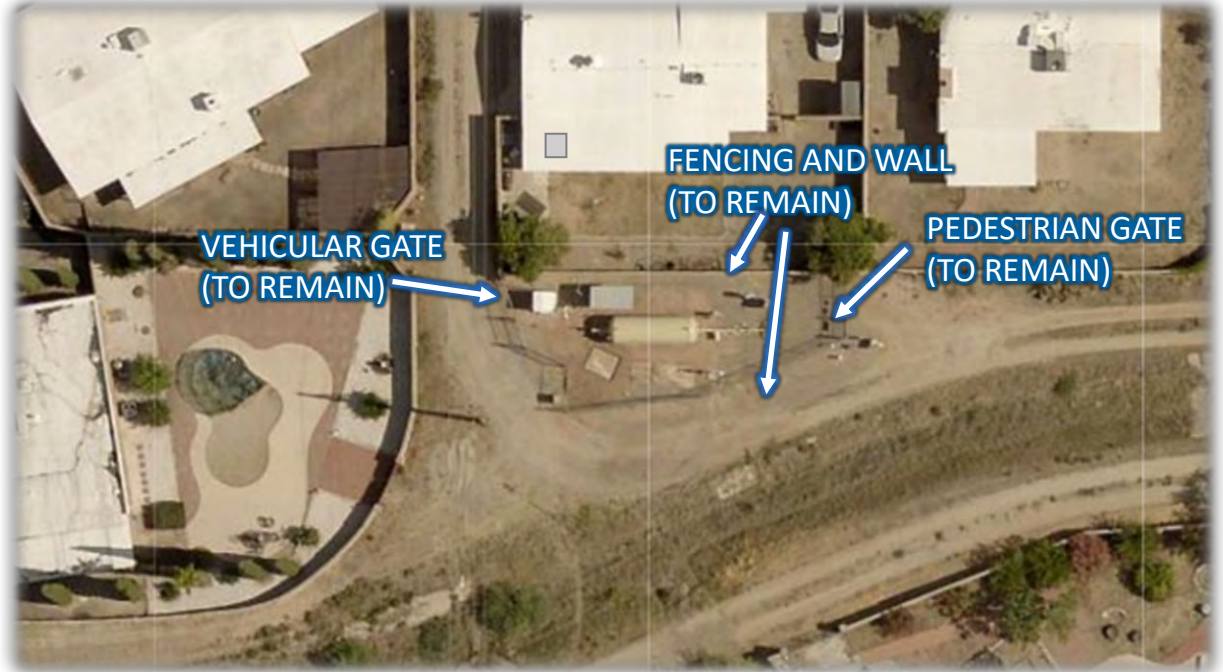
**NEW SHADE
STRUCTURE**

**UPGRADED SCADA SYSTEM
UNDER SHADE STRUCTURE**



PROJECT SUMMARY

- Tucson Water is requesting a Special Exception to equip the existing well with technology upgrades
- The improvements consist of:
 - Installing a 8.5' shade structure
 - Upgrading the SCADA (Supervisory Control and Data Acquisition)
 - Refreshing tan privacy slats in chain link fencing
- Items to remain unchanged:
 - Well location and site configuration
 - Existing access gates (vehicular and pedestrian)
 - Chain-link fencing and 6' masonry walls



ACCESS GATES SURROUNDING THE WELL SITE



CHAIN LINK FENCE ON THE SOUTHERN SIDE OF THE WELL SITE



EQUIPMENT WITHIN THE WELL SITE



EXISTING SHADE STRUCTURE AND COMMUNICATIONS ANTENNA



WELL E-004A SCADA UPGRADES

9102 E Palm Tree Drive

QUESTIONS?

