

Public Utilities Department

Santaluz Recycled Water Projects Clubhouse, Phase I & Phase II

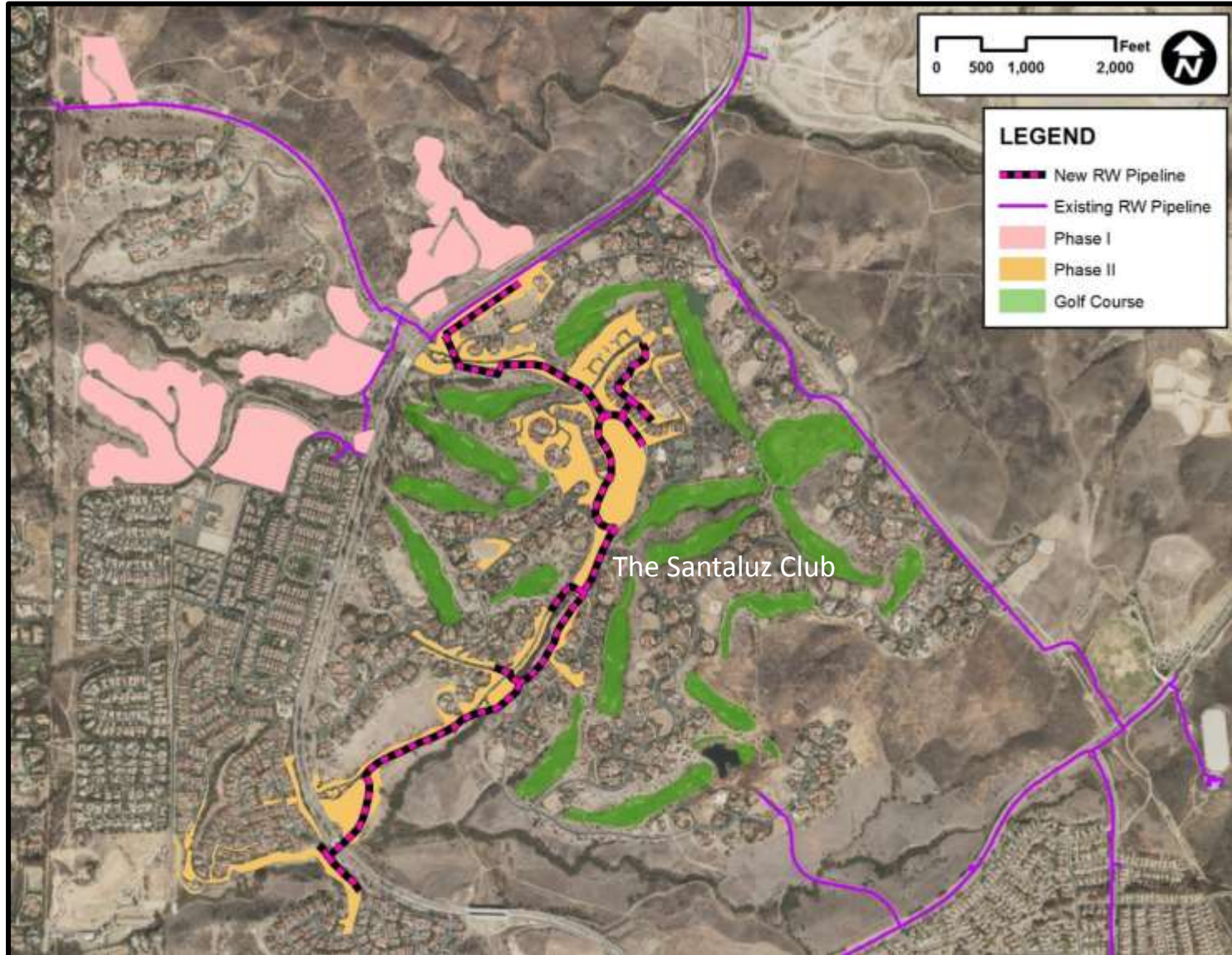
September 12, 2017

Santaluz Overview

Santaluz is a development located in the northeast area of the City of San Diego. First connected to the recycled water system in 2005, they use 100% recycled water to irrigate their golf course, 330 AF in CY2016.

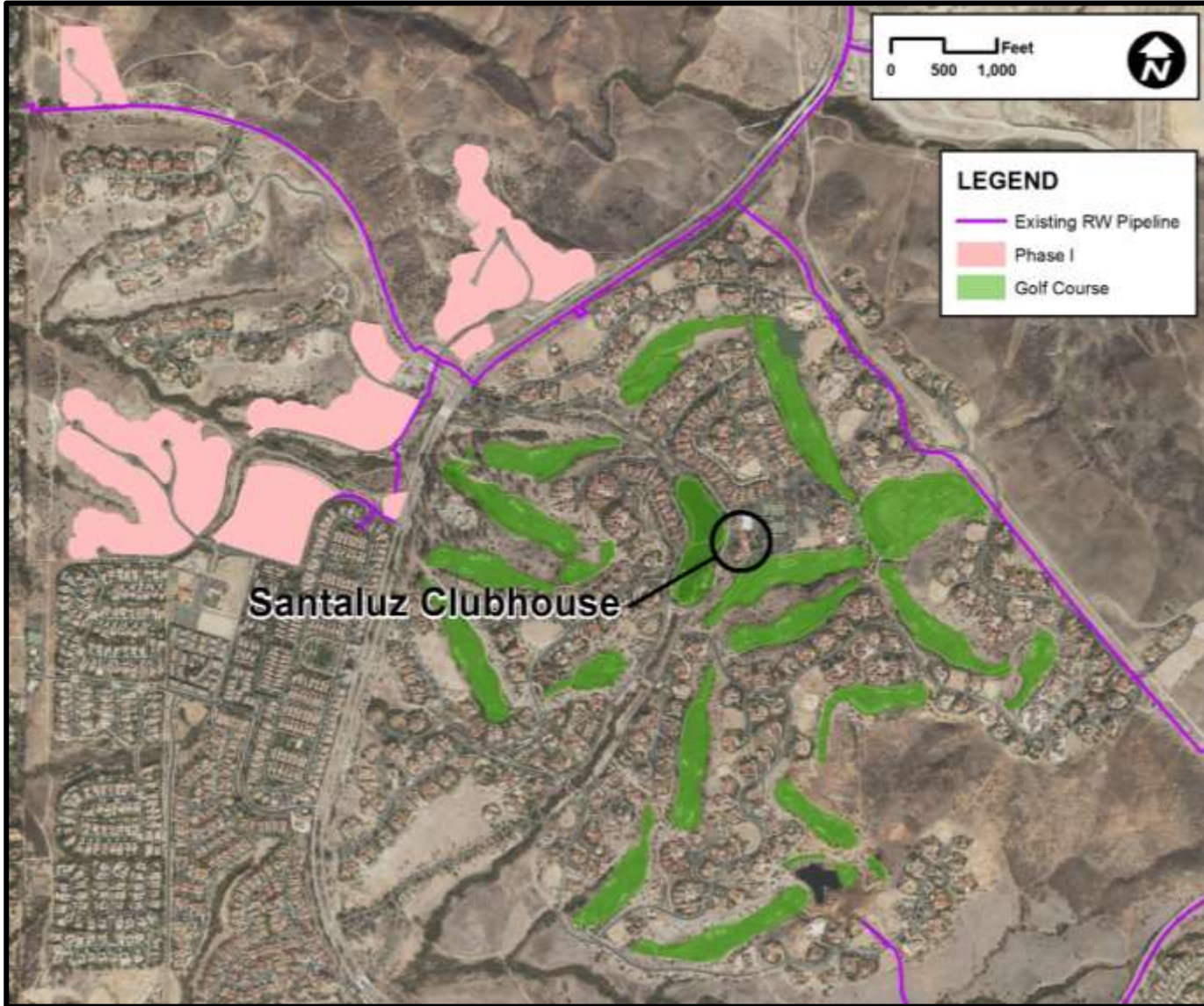
Recycled water use has been such a success, Santaluz expanded recycled water use to the rest of the development common areas.





Santaluz Development

- Santaluz Clubhouse/Hacienda:
7.7 AFY
- Phase I- Santaluz Northern Lights:
17 AFY
- Phase II- Santaluz Village Green:
106 AFY

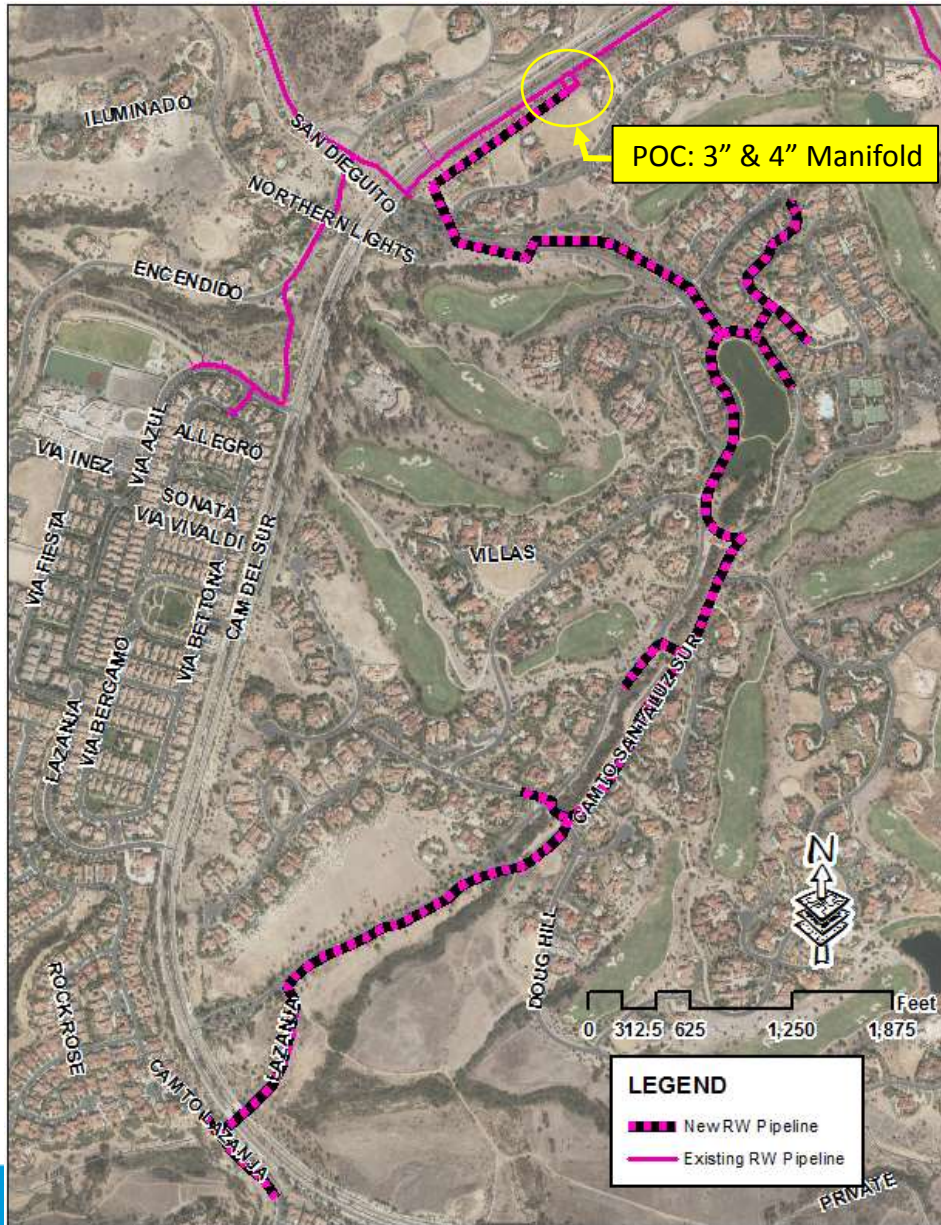


Clubhouse

- Retrofitted the irrigation system around the clubhouse area to use recycled water

Phase I – HOA Common Areas

- Retrofitted the irrigation system
- 5 recycled water meters installed
- 5 potable water meters killed



Phase II Pipelines

- Pipeline Size: 8" (8,000 linear feet)
- Pipeline Size: 6" (6,000 linear feet)
- Total New RW Pipelines Installed: 14,000 linear feet
- Demand: 106 AFY
- Killed 15 services and removed 15 meters
- (1) – 3" and 4" RW Meter Installations

Challenges

- Pipeline construction impacted by weather conditions
- Encountered wet and dry utilities during construction
- All homes when built were required by Fire Department to have a fire sprinkling system which required a backflow device making the cross connection testing longer than usual

MWD On-Site Retrofit Program

- Assisted in off-setting 131 AFY of potable water for this site alone.
- 16 City customers applied for this program to off-set approximately 712 AFY of potable water.