

New Transmission/Distribution/Wells Main Installed: 2016/2017

- 10" C-900 from well #2 to well #14
- 12" C-900 from well #14 to Mendiburu rd to Neuralia rd
- 16" C-900 from Neuralia rd to Randsberg Mojave rd.
- 12" C-900 from Mendiburu rd. to Hooker Dr with a total of 4 tie in's to the 20" transmission line
- Tie in 16" C-900 to 20" concrete coated steel transmission line
- Install 12" cla-valve in traffic rated vault, 20" transmission line to control pressure
- Install 10" cla-valve in traffic rated vault on Yerba Blvd and Poppy Blvd from transmission line to system to control pressure
- Insertion meter installed in 20" transmission line north of cla-valve on Randsberg Mojave rd.
- Install 12" C-900 from transmission line on Mendiburu rd to well #3 on Neuralia rd
- Install 12" C-900 from well #3 to well #15
- Well's # 2, 3, 14, 15, and 10 are now all tied in and are considered transmission line filling phase I.
- Install 2" conduit for telemetry line from 12" cla-valve to expansion tank on Hooker Dr
- **7.2 miles or 38,016' of transmission line install**
- Installed new 120' of 8", 1,420' of 6", and 120' of 4" C-900 two fire hydrants on Quezon Ave from 85th st to North Loop Blvd
- Installed **800' of 8" C-900 on Hooker Ave.** from Randsburg Mojave rd. to Upton Dr.
- Installed **400' of 6" C-900 on Orchid Dr.** from Quezon Ave. to Jimson Ave.
- Installed **1,200' of 6" C-900 on Jimson Ave,** from Orchid Dr to 85th st and one fire hydrant
- Installed 8" meter in a traffic rated vault at the prison on Virginia Blvd
- Installed 4" meter in traffic rated vault at CCMX track with optional use of a warf head that's metered
- Installed 8" meter in traffic rated vault at HATCI California Proving Ground (CPG) Hyundai-Kia test track
- Relocated 8" back flow 1.2 miles from Airway Blvd and Joshua Blvd to inside property line of Hyundai-Kia test track
- City of California City accommodated 1.2 miles of 16" C-900 on Joshua Blvd from Airway Blvd to the 8" meter for Hyundai-Kia
- 21300 Conklin Blvd replaced 4" combo meter with 2" combo meter in vault and hot tap
- Installed **300' 8" C-900 on Kenniston St** from CCB to just north of Xavier Ave
- Cut and cap city block, Neuralia Rd to Rusche Blvd – Mendiburu Rd to Lindbergh Blvd

- Cut and cap city block, Forest Blvd to Sequoia Blvd – Wilson Dr, 103rd St to Desert Butte Blvd
- Tie in 500 Gallio Hill into transmission line hot tap and install 300' 6" C-900
- Cut and cap Lime Ave., Nipa Ave., and Oleander Ave. In between Isabella Blvd to 79th St
- Installed 750' gas line from CCB to scout island
- Installed 200' of 2" sewer line and grinder 21360 Reed PI
- Installed 1500' of 2" sewer line, three grinders Fuchsia Ave. & 94th
- Installed 1500' of 2" sewer line, one grinder on Proctor Ave.
- Installed 400' 4" C-900 on Melville Dr on the corner of Melville Dr and Harvard Ave. heading north
- Well #3 new pump and Mc. meter, discharge valve, Murphy controller, injection motor for CL2, and two 6" gate valves
- Well # 15 soft start, discharge valve, new roof and siding, cooling fan, swamp cooler, dog house around cla-valve, and 10" check valve
- Well # 10 discharge line and valve, soft start, dog house around cla-valve, and Mc. meter
- Well # 16 Mc. Meter, injection pump and motor, brine and H2o controller, VFW motor, and building over discharge valve
- Well # 14 VFD controller, Mc. Meter discharge lines and valve, cooling fan for electric panel, 200 gallon CL2 chlorine tank, Mc. Meter, injection quill, converted motor to VFD
- Well# 2 rebuilt motor, valve and discharge line, MC. Meter, check valve, control for electric panel, ejection quill, brine and H2o solenoid and diaphragm
- Wonder acres new building, pump, and diaphragm
- Phase I 16" MC. Meter, and vault Replacement
- Phase II two new sky lights
- Phase III new batteries
- Lower and upper Rancho tract generator and electrical work, new motor and pump upper rancho #2
- Terra Del Sol new filters and housings total of 4, repair fence #17 pump, rebuilt cla-valve #17 pump, replaced fence and gate surrounding pumps at central park lake
- Installed 6" backflow N. Loop Blvd/Conklin Blvd TDS
- Installed 4" backflow par 3 putting green TDS
- Installed 2" backflow central park bathrooms
- Installed 2" backflow Chamber of Commerce Irrigation
- Well # 14 replaced prop & bearing for meter
- Well# 10 replaced Electrical main breaker panel
- Well# 15 replaced solenoid & air relief valve
- Well# 14 replaced solenoid on discharge line (cla-valve)

- Well# 2 replaced injection pump
- Well# 3 rebuilt injection pump
- Well# 16 replaced cl2 level control
- Phase #4 installed solar panels
- Wonder Acres rebuilt injection pump
- Replaced pump at the water fall, central park
- Replace total of three pumps TDS Irrigation
- Replaced check valve/spool upper Rancho
- Video log well# 5
- Replaced 8" check valve central park water fall
- Rebuilt pump #1 pump upper Rancho
- Replaced # 2 pump lower Rancho
- Installed new electric control box TDS pump # 5,17
- Installed sample station CCA
- Installed PLC well# 2

Water System Projects 2017-18 and 2018-19

Tie well #10 into transmission line	2,700' of 12"
Installed 500' of 6" main on Upton Dr from Ives Dr to Hooker Dr	500 ' 6" main - 200' 8" main
Install cla-valve-trans line to system, Mendiburu & Randsburg Mojave	10" cla-valve & traffic rated vault
Install (N) main Poppy & N.Loop	15,900' of 12" 31 fire hydrants 53 service con.
Install two cla-valves upper rancho	Two 6" cla-valves & vaults
Well #1 Designated trans line to upper rancho	
Replace main on CCB from Neuralia to Yerba	5,600' of 12" 11 fire hydrant 40 service con.
Complete main replacement on Kenniston St	1,000' of 8" 2 fire hydrants 30 service con.
Replace main on 79th from CCB to Neuralia	1,600' of 8" 3 fire hydrants 33 service con.
Replace main on Walpole from Kenniston to Yerba	1,900' 8" 3 fire hydrants 32 service con.
Replace main on Isabella from CCB to Poppy	2,800' 12" 5 fire hydrants 12 service con.
Replace Pumbs Phase I Boosters	2 - 100 HP & 800 GPM Pumps Softstarts

Maintenance/repairs/new service lines/new meters

- Main line repairs – 464
- Service line replacements – 553
- AMS valves replaced – 583
- Meters installed – 1297
- Fire hydrants installed – 16
- Special clean up's from projects – 327

Future Projects-2018-2019

- New main line on Poppy from Yerba to North Loop
- New main line on North Loop from poppy to Hacienda
- New main line on CCB from Neuralia to Yerba
- New main line on Isabella from CCB to Poppy
- New main line on Redwood from Airway to CCB South
- Investigate and/or install main line on CCB from Conklin to CCB South/Mojave-Randsburg Rd
- Bypass phase III Tank System
- Well #1 Rehabilitation
- New main line on Sequoia from Neuralia to Desert Butte
- Two cla-valves and vault to reduce pressure from upper rancho to lower rancho
- AVEK direct line or bypass to fill lake
- Completion of meter installations
- City to read own meters
- Continued maintenance on complete system and wells
- Replacement program for broken gate valves
- Valve exercise program
- Replace mains throughout city as needed no new main shall be smaller than 6"
- Paint fire hydrants