Gilbert Chavez

SENIOR CONSTRUCTION INSPECTOR

DIP MAINS • TESTING & DISINFECTION • RTK GPS

H2O URBAN SOLUTIONS



Photo: Gilbert Chavez, H2Ou Inspector | Navajo Road Main Replacement | Liberty Utilities

SEP 2025	46	RTK	9+ YRS
H2OU START • 1 YR 1 MO	LIBERTY DFRS ISSUED (2026)	EOS ARROW GOLD GPS	UNDERGROUND WATER

PROFESSIONAL PROFILE

Senior construction inspector who joined H2Ou in September 2025, starting on California American Water's Bellflower Water Main Replacement Phase 2 (System 9) in October 2025. In 2026 he has been H2Ou's inspector on Liberty Utilities' Navajo Road Main Replacement (16-inch DIP, 27 DFRs, June–August 2026) and the ongoing Navajo Easement project (12-inch DIP with 6- and 4-inch C900 PVC, 19 DFRs through October 8, 2026). Gilbert came up through underground construction as a journeyman laborer and pipe layer, then inspected potable water mains, services, valves and hydrants for Pivotal Adaptive Services and GSWC. He witnesses hydrostatic testing, oversees chlorination, flushing and bacteriological sampling, captures RTK GPS data with an EOS Arrow Gold receiver, and keeps running red-line as-builts.

QUALIFICATIONS AT A GLANCE

CURRENT H2OU WORK (2025–2026)

- Liberty Navajo Road | 16-inch DIP
- Liberty Navajo Easement | 12-inch DIP
- Cal Am Bellflower Ph 2 Sys 9 (Oct 2025)

INSTALLATION & TESTING

- DIP mains, valves, hydrants, air vacs
- Brass saddles, corps and copper services
- Hydrostatic, chlorination and bacti

CERTIFICATIONS & TOOLS

- OSHA 30; NUCA Excavation Competent
- Person
- Confined Space; Flagger (CA MUTCD);
- CPR
- GoFormz, Field Maps, EOS Tools Pro
- Bilingual English / Spanish

CORE WATER & CONSTRUCTION CAPABILITIES

- **Main Replacements**
- **Ductile Iron Pipe**
- **Valves & Hydrants**
- **Copper Services**
- **Hydrostatic Testing**
- **Disinfection & Bacti**
- **Rtk GPS / GIS**
- **As-Built Packages**

SELECTED PROJECT & FIELD EXPERIENCE

NAVAJO ROAD MAIN REPLACEMENT | Liberty Utilities, Apple Valley, CA

ROLE Lead Construction Inspector PIPE 16-Inch DIP SCALE 1,533 LF June–Aug 2026

- H2Ou inspector for Kelly's Underground Construction's 16-inch ductile iron main replacement; issued 27 Daily Field Inspection Reports (June 2 | August 6, 2026) with crews, equipment, quantities and progress.
- Documented 16-inch flanged tees, butterfly valves, MJ fittings and mega-lug restraint, gate valves, end caps and hydrant installation; notified Liberty when the as-built package was complete.

NAVAJO EASEMENT | Liberty Utilities (Wca.Av26Mr1)

ROLE Senior Construction Inspector PIPE 12-Inch Cl 350 DIP / 6- & 4-Inch C900 Pvc SCALE 1,282 LF DIP Ongoing

- Inspecting 1,282 LF of 12-inch DIP plus 335 LF of 6-inch and 36 LF of 4-inch C900 PVC, 2-inch air vacs, hydrants and 1-inch copper services; 19 DFRs issued September 8 | October 8, 2026.
- Verifies brass saddles, corporation stops, flanged tees, butterfly and gate valves and Star Grip MJ restraint against plans; tracks percent complete daily.

BELLFLOWER WATER MAIN REPLACEMENT PHASE 2, SYSTEM 9 | California American Water, Bellflower, CA

ROLE Senior Construction Inspector FIRM H2Ou October 2025

- First H2Ou assignment: daily field inspection and DFRs (from DFR 3.1, October 9, 2025) on Cal Am's Bellflower main replacement program.

WATER MAIN REPLACEMENTS | Golden State Water Company, County of Santa Barbara

ROLE Senior Construction Inspector FIRM H2Ou TENURE Sept 2025–Present

- Full-time inspection of main replacements, service transfers, hydrants, valves and appurtenances to utility standards and County requirements.
- Witnessed hydrostatic testing, chlorination, flushing and bacteriological clearance; captured RTK GPS of installed assets; compiled DIRs and weekly PDF submittals.

POTABLE WATER MAIN INSPECTION | Pivotal Adaptive Services, CA

ROLE Water Pipeline Inspector TENURE 2022–2024

- Inspected potable water main installations, service transfers, valves, hydrants and appurtenances; verified trench, bedding, jointing, thrust restraint and compaction.
- Captured GIS shots of mains, valves, hydrants and fittings with an Arrow Gold RTK GNSS receiver; maintained red-lines for weekly submittals.

CAREER HISTORY

DATES	ORGANIZATION	POSITION | RESPONSIBILITY
Sep 2025–Present	H2O Urban Solutions, Inc.	Senior Construction Inspector | Inspection and QA on water pipelines (primary), tanks, BPS and WTPs; daily field reports (DFRs)
2024–2025	High Desert Underground	Pipe Layer | water mains and appurtenances, bedding grade and safety
2022–2024	Pivotal Adaptive Services	Water Pipeline Inspector | mains, services, testing, disinfection and RTK GIS
2017–2022	Gentry Brothers Inc.	Journeyman Laborer | pipelining, meter servicing, grading, paving and traffic control

ADDITIONAL QUALIFICATIONS

TECHNICAL SYSTEMS & DELIVERY

- Daily reports with photos, quantities and testing
- EOS Arrow Gold RTK GNSS data collection
- Running red-line as-builts; as-built packages
- Plan/blueprint review and RFI support
- EOS Arrow Gold RTK GNSS asset shots

SAFETY, QUALITY & FIELD PRACTICE

- Trench geometry, bedding, backfill and compaction
- Alignment/grade, jointing and thrust restraint
- Traffic control and paving experience
- Daily risk assessment and contractor coordination