Duane Hillwig

H2O URBAN SOLUTIONS

SUPERVISING CONSTRUCTION INSPECTOR

WATER MAINS • BACKYARD-MAIN READINESS • PUMP STATIONS • HEAVY CIVIL • SACRAMENTO, SANTA ROSA, ET AL.



Photo: Duane Hillwig, H2Ou Inspector | Londonberry Drive Creek Crossing | California American Water

30+	14+	$4M–$75M	BACKYARD
YEARS OF EXPERIENCE	YEARS CAW INSPECTION	PROJECT SCOPE	OCCUPIED-SITE READY

PROFESSIONAL PROFILE

Supervising Construction Inspector with 30+ years of construction supervision and field leadership, including more than 14 years inspecting California American Water main-replacement, pump-station and repair work statewide. Duane combines inspection leadership with superintendent and heavy-equipment experience, giving him practical judgment on trenching, excavation, materials, installation sequencing, contractor production and field problem-solving. His background is directly applicable to backyard-main construction, where occupied-property access, homeowner or renter communication, variable service configurations, unknown utilities, clean tie-ins, abandonment verification, continuity of service and restoration must be actively managed. He interprets plans and specifications, monitors quality and schedule, documents findings promptly and coordinates with contractors, engineers, surveyors and inspectors to keep work moving.

QUALIFICATIONS AT A GLANCE

INSPECTION & FIELD LEADERSHIP

- Construction Inspector Supervisor/Senior since 2011
- Detailed reports, quality and compliance
- Contractor, engineer and schedule coordination

CAW WATER INFRASTRUCTURE

- Statewide main-replacement inspection
- Pump-station projects and system repairs
- $4 million to $75 million project scopes

BACKYARD-MAIN APPLICATION

- Occupied-property access and communication
- Unknown utilities and service configurations
- Tie-ins, abandonment, continuity and restoration

CORE WATER & CONSTRUCTION CAPABILITIES

- **Supervising Inspection**
- **Water Main Replacement**
- **Backyard-Main Readiness**
- **Resident / Contractor Coordination**
- **Pump Stations & Repairs**
- **Utility Conflict Resolution**
- **Daily Reports & Schedule**
- **Safety, Quality & Restoration**

SELECTED WATER INFRASTRUCTURE EXPERIENCE

CALIFORNIA AMERICAN WATER MAIN REPLACEMENT PROGRAM | Statewide California

ROLE Senior Construction Inspector DELIVERY Water Mains / Repairs / Pump Stations SCALE $4M–$75M

- Supervised water-main replacement initiatives, pump-station projects and repairs, with detailed inspection of construction activities for conformance with plans, regulatory requirements and operational needs.
- Interpreted drawings, sketches and schematics; monitored contractor quality and progress; identified potential issues early and coordinated timely resolution to protect schedule and system performance.

H2OU WATER INFRASTRUCTURE INSPECTION | Statewide California

ROLE Construction Inspector Supervisor DELIVERY Field Inspection & Leadership TENURE 2025–Present

- Documents findings in detailed inspection reports, reviews plans before construction, conducts timely inspections and monitors contractor performance against quality-control requirements.
- Coordinates with project managers, engineers, surveyors and inspectors; communicates concerns and updates promptly; and provides field guidance on proper installation techniques and materials.

REPRESENTATIVE EXPERIENCE & BACKYARD-MAIN APPLICATION

BACKYARD MAIN & RESIDENTIAL SERVICE DELIVERY | Occupied-Property Application

ROLE Supervising Inspector DELIVERY Access / Services / Cutovers FOCUS Unknown Conditions

- Applies verified water-main replacement, repair, inspection and heavy-civil experience to constrained backyard corridors, variable private service configurations and active utility crossings.
- Inspection approach emphasizes resident communication, planned access, clean transitions from existing to new facilities, positive abandonment checks, continuity of water service and complete restoration records.

PUMP STATION CONSTRUCTION & SYSTEM REPAIRS | California American Water

ROLE Senior Construction Inspector DELIVERY Quality / Compliance / Operations TENURE 2011–2025

- Inspected pump-station projects and repairs as part of statewide California American Water assignments, verifying construction quality and compliance with regulatory and operational requirements.
- Worked with project teams to interpret construction documents, evaluate field conditions, document findings and address concerns before they affected quality, performance or schedule.

WATER, SEWER & STORM DRAIN PIPELINE CONSTRUCTION | Tiago Inc., San Marcos, CA

ROLE Superintendent / Heavy Equipment Operator DELIVERY Underground Pipelines TENURE 1994–2010

- Supervised daily construction activities, crews, materials and productivity while maintaining project schedules, quality expectations and permanent daily jobsite records.
- Operated excavators and bulldozers for excavation and grading, interpreted plans for crews and brought hands-on constructability knowledge to water, sewer, storm-drain and heavy-civil work.

CAREER HISTORY

DATES	ORGANIZATION	POSITION | RESPONSIBILITY
2025–Present	H2O Urban Solutions, Inc.	Construction Inspector Supervisor | Inspector supervision and QA on water pipelines (primary), tanks, BPS and WTPs; DFR review
2011–2025	Safework, Inc.	Senior Construction Inspector | California American Water mains, pump stations and repair projects statewide
1994–2010	Tiago Inc.	Superintendent / Heavy Equipment Operator | water, sewer, storm-drain and heavy-civil construction
30+ Years	California / Nevada Infrastructure	Construction supervision, inspection, underground utilities, team leadership and field problem-solving

ADDITIONAL QUALIFICATIONS

TECHNICAL SYSTEMS & DOCUMENTATION

- Plans, specifications, drawings and schematics
- Detailed inspection reports and permanent daily logs
- Quality assurance, compliance and progress tracking
- CAD familiarity, scheduling and material coordination

FIELD PRACTICE & BACKYARD FOCUS

- Trenching, excavation, grading and heavy equipment
- Occupied-property access and resident communication
- Services, tie-ins, abandonment and restoration checks
- Unknown utilities, constructability and issue resolution