

ROB SECREST, P.E., CCE, EP₂, Real Estate Broker

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EXPERT WITNESS, REAL ESTATE CONTRACT EXPERT WITNESS, DAMAGES WITNESS FOR CONSTRUCTION COSTS, CIVIL ENGINEER EXPERT WITNESS

INTRODUCTION

Dynamic solution-driven executive with over 30 years of achievement in delivering high quality civil engineering public works planning, design, construction, cost estimating and real estate solutions in the fields of water, wastewater, utilities, transportation, land development, environmental engineering and permitting as a highly decorated and respected leader. As a licensed professional civil engineer P.E., I have over 15 years of experience as an expert witness and damages witness. I have performed professional expert witness services on at least sixteen (16) cases in California and Texas performing audio and video depositions.

KEY PROFESSIONAL STRENGTHS AND EXPERIENCES

- ☑ **Primary driving force** to deliver timely and accurate reports as a expert witness.
- ☑ **Deliver concise and useful** depositions both audio and video recorded for use in construction and design defect litigation as Expert Witness and Damages Witness.
- ☑ **Expertise in performing expert witness testimony inside the courtroom as a cost estimator damages witness and as a civil engineer expert** in the field of construction law, contract law, real estate contracts, design defect, construction defect, duty of care, human resources and various other litigated disputes and claims.
- ☑ **Experience in public speaking while delivering presentations** in front of in-person college classes, in-person seminars of over 100 persons and via video Zoom conferences.
- ☑ **Expertise in drafting expert witness testimony reports and studies** for a wide range of clients.

PROFESSIONAL EXPERIENCE

Cityscape Services, LLC (Expert Witness/Senior Principal)

OPERATING NATIONWIDE

1998 to Present

- Perform expert witness services on various cases involving water and wastewater including design and construction related cases, public works project cases, transportation related cases, contractor dispute cases, vehicle accident cases, utilities projects cases, cell tower projects, building codes and ADA cases, negligence cases, duty of care cases, rail accident cases, marine terminal projects cases, civil-structural projects, design defect cases, construction defect cases, and cases involving civil engineering.
- Perform as expert witness on various cases in California and Texas.
- Perform as primary/sole designated expert witness for the City of Los Angeles Public Works Department, Los Angeles, California.
- Perform claims analysis and disposition on various public works projects in California.
- Perform civil engineering expert witness services on various private projects.
- Perform design defect expert witness services on various projects.
- Perform construction defect expert witness services on various projects.

KEY ACCOMPLISHMENTS, KNOWLEDGE AND SKILLS

- Former Executive Assistant, The White House, Washington, D.C.
- Operation Enduring Freedom, Kabul, Afghanistan. International Security Assistance Forces.
- Secret Security Clearance. ➤ Eagle Scout Medal.
- Marathoner, Half Marathoner, Tri-athlete and community volunteer and philanthropist.

KEY PRESENTATIONS AND PUBLICATION SKILLS

- ✓ “How to Implement an Asset Management Program inside a Mid-sized Municipal Public Works Department”, American Water Works Association, AWWA and Water Environment Federation, WEF Annual Conference and Seminar, San Diego, California.
- ✓ “Project Design Management and BIM”, Construction Management Association of America, CMAA Conference, San Diego, California.
- ✓ Adjunct Professor: “Cost Estimating in Construction”, The New School of Architecture and Design, San Diego, California.
- ✓ Instructor/Professor: “Construction Cost Estimating Workshop: Estimating a Small Commercial Building” 8-Hour Online Webinar. Feedback score from participant(s): 5.0/5.0.
- ✓ Instructor/Professor: “Using RSMean Data to Create Cost Estimates” 8-Hour Online Webinar.
- ✓ Instructor/Professor: “Construction Cost Estimating Workshop: Estimating a Small Commercial Building” 8-Hour Online Webinar.
- ✓ Instructor/Professor: “Construction Cost Estimating Workshop: Estimating a Small Commercial Building” In Person 8-Hour Classroom.
- ✓ “First Use of Steel Foundation Under Lattice Transmission Power Line Towers for SDGE” Amec Technical Summit Seminar and Conference, Featured Speaker, Atlanta, Georgia.

LED PROJECT AND PROGRAMS INCLUDING COST ESTIMATING ON THE FOLLOWING PROJECTS

1. East Span of the San Francisco – Oakland Bay Bridge, \$8+ Billion. Self-anchored suspension bridge, design and construction. Responsible for performing design and construction management services for CALTRANS.
2. Construct Domestic Water Wells, I.E. Pacific, Inc., MCB Camp Pendleton, California, \$9 million.
3. Repair Various Wastewater Treatment Plants, RQ Construction, MCB Camp Pendleton, California, \$13 million.
4. Generated budgets and schedules for the Afghan National Army and Police Facilities, \$3.4 Billion. On location in Kabul, Afghanistan 2010. Earned highest “Exceptional” rating in the Contractor Performance and Reporting System ACASS/CPARS rating from the U.S. Air Force/client. Cost loaded schedule in Primavera P6e
5. Academic Instruction and Office Facility, Edward, AFB, California. As Senior Cost Estimator and Deputy Chief of Cost, responsible for generating the cost estimate for the project from design drawings. Sealed bids came in with 3 percent of my detailed and itemized construction cost estimate.
6. Fuel Tank Replacement, San Diego, California. As Lead Cost Estimator, generated cost estimate to remediate 53 above and below-ground fuel tanks. Total \$155 million built in Success Estimator.
7. Environmental Remediation, Naval Ammunition Depot Indian Island, Port Hadlock, Washington. As Lead Cost Estimator, responsible for generating cost estimate to construct landfill containment liner.
8. Construct Glasgow Hall Academic Instruction Facility, Monterey, California. Construct new multi-level, state-of-the-art classroom facility. As Cost Estimator, responsible for generating the official Government Cost Estimate. RA Burch Construction Company successful competitive sealed low bid: \$6,825,826. Mr. Secrest’s official independent design estimate: \$6,929,102. Mr. Secrest’s estimate was only 1% from the successful competitive sealed bid which helped the project meet schedule.
9. Lead Damages Witness on Harbor Cut Structural Wall Failure Project in the City of Los Angeles vs. Tetra Design, Inc.
10. Lead damages witness and expert witness on construction defect case, Vista, California. Provided expert witness testimony inside the courtroom to win the case for the Plaintiff.
11. Construct Glasgow Hall Academic Instruction Facility, Monterey, California. Construct new multi-level, state-of-the-art classroom facility. As Cost Estimator, responsible for generating the official Government Cost Estimate. RA Burch Construction Company successful competitive sealed low bid: \$6,825,826. Mr. Secrest’s official independent design estimate: \$6,929,102. Mr. Secrest’s estimate was only 1% from the successful competitive sealed bid, on schedule.
12. Lead claims analysis and damages witness on \$55+ million BART Marine Barrier construction claims case.
13. Lead damages witness on AAA Building cost evaluation on Westside Purple Line Extension Project, Beverly Hills, California.

FORMAL EDUCATION, LICENSES AND PROFESSIONAL REGISTRATIONS

Bachelor of Science, Civil-Construction Engineering Management, Oregon State University
Master of Business Administration, MBA. College of Engineering Dean's List. Earned 9 academic scholarships.
Registered Professional Civil Engineer, P.E.
Project Management Professional, P.M.P.
Certified Lean Six Sigma Black Belt, LSSBB
Leadership in Energy and Environmental Design, Accredited Professional, LEED A.P.
Certified Facilities Engineer
Certified Program Manager
Certified Contractor Quality Manager, CQM
Certified Cost Engineer, C.C.E.
Certified Professional in Storm Water Quality, CPSWQ
Qualified Storm Water Pollution Prevention Plan, SWPPP Developer, QSD
Qualified SWPPP Practitioner, QSP
Certified Cost Estimator, EP2, American Society of Professional Estimators, ASPE.
Licensed Real Estate Broker, CalDRE 01942381
Licensed Mortgage Loan Originator, MLO
Licensed Class B+ Skipper License – off shore yachting
Licensed FAA Pilot – Complex and G1000 Endorsements. Licensed FAA Seaplane Pilot – Complex Endorsement.

REAL ESTATE EXPERT WITNESS, CIVIL ENGINEERING EXPERT WITNESS, AND DAMAGES WITNESS

1. General Contractor - Construction Dispute - Courtroom Litigation Experience representing Plaintiff - Won the case based upon my expert testimony before the Honorable Judge. Damages awarded/recovered, California.
2. Expert Witness for Construction Cost damages, representing Plaintiff - Beverly Hills, California.
3. Expert Witness, Damages Witness, Estimated cost of damages to the Port, Audio and Video Deposition Performed for Plaintiff - Courtroom Experience - Harbor Cut - Structural Failure, Los Angeles, California.
4. Expert Witness Civil Engineering, HART - Design and Construction - Representing Defendant.
5. Expert Witness, Damages Witness, Senior Cost Estimator - BART Marine Barrier – Representing Defendant.
6. Expert Witness representing Plaintiff - Transportation Case, (General Contractor – Subcontractor Dispute), Chatsworth, California 2020.
7. Expert Witness, representing Defendant – Civil Engineering, Claims disposition, analysis and testimony.
8. Expert Witness, representing Defendant – Civil Engineering, Sherman Oaks, California. Deposition.
9. Expert Witness, representing Plaintiff – Civil Engineering, transportation, Bakersfield, California.
10. Expert Witness, representing Defendant – Civil Engineering, property, Vista, California.
11. Expert Witness, representing Plaintiff - Civil Engineering, Barstow, California.
12. Expert Witness, representing Defendant - Civil Engineering, Port of Long Beach, Long Beach, California.
13. Expert Witness, representing Defendant – Civil Engineering, transportation, Long Beach, California.
14. Expert Witness, representing Plaintiff – Civil Engineering, ADA, Newport Beach, California.
15. Expert Witness, representing Plaintiff – Civil Engineering, Duty of Care, Fallbrook, California.
16. Expert Witness, representing Defendant – Civil Engineering and Cost Estimating, Houston, Texas.

PREVIOUS ENGINEERING AND REAL ESTATE ENGAGEMENTS

Oregon Department of Transportation - Engineering
City of Portland – Engineering – Permit Review
AFG Group, Inc. – Engineering
U.S. Public Building Service – Engineering
U.S. Army Corps of Engineers, USACE – Engineering – Permit Manager
R.E. Staite Engineering, Inc. – Waterfront Marine Engineering – General Contractor - Builder
Carlsbad Municipal Water District – Engineering – Permit Review
U.S. Public Health Service – Land Development, Construction of Healthcare Facilities – Engineering
WSP Engineering, Inc. – Engineering [CALTRANS – Engineering] [City of Newport Beach – Engineering]
The Naval Facilities Engineering Command, NAVFAC – Engineering and DD1391 Project Planning and Land Development
URS Corporation – Engineering
WRG Design, Inc. – Engineering and Land Development
City of Corvallis – Engineering
WH Pacific, Inc. – Engineering and Land Development
Hensel Phelps Construction Company – Engineering
USA Realty and Loans – Real Estate

EXPERTISE IN RELATED PUBLIC WORKS PROJECTS AND PRIVATE PROJECTS - PROJECT LIST

Rail, Highway and Bridge Transportation:

1. \$16M Pier G Double-track, Port of Long Beach, Long Beach, California (2017-2018)
2. \$150M Sounder Commuter Rail, Sound Transit, Seattle, Washington
3. \$377M Everett-Seattle, Sounder Commuter Rail, Seattle, Washington
4. \$250M Link Light Rail, Tacoma, Washington (2000-2002)
5. \$2B+ Houston Area Rapid Transit, Houston, Texas
6. \$120M Westside Purple Line Extension, Rodeo Drive Station, WSP, Los Angeles, California (2018)
7. \$55M Cascade Station, MAX Train, Portland, Oregon
8. \$35M Renovate King Street Station, Amtrak, Seattle, Washington
9. \$45M Sunnyside Overcrossing, West Linn, Oregon
10. \$8B East Span of San Francisco Oakland Bay Bridge, SFOBB, Emeryville, California
11. \$3.5M Sand Lake Slide Drilled Slope Drains and Highway Repair, Pacific City, Oregon
12. \$1.5M NE Seavy Avenue Design and Construction, Corvallis, Oregon
13. Walnut Boulevard Extension, Corvallis, Oregon
14. Corvallis Downtown River Park, Corvallis, Oregon
15. \$45M Rickreall Bridge, Rickreall, Oregon
16. \$15M Highway 228 Brownsville to Sweet Home, Highway Super-elevation Highway Rehabilitation, Sweet Home, OR
17. \$4M Spoon Creek Bridge Replacement, Halsey, Oregon
18. \$195M Santiam River Bridge, Jefferson, Oregon
19. \$197M Highway 20 Pioneer to Eddyville Highway Realignment, Eddyville, Oregon
20. \$1M Highway 20 at Wren Hill Wetlands Surveying, Wren, Oregon
21. \$1.2M Sand Lake Slide Repair, ODOT Public Works Construction Project, Sand Lake, Oregon
22. Interstate 5, Santiam River Bridge Replacement, ODOT Public Works Construction Project, Turner, Oregon
23. Highway 228 Superelevation and Safety Upgrade Project, ODOT Public Works Project, Brownsville, Oregon
24. \$1.8B Interstate 15, Construct Managed Lanes, North Segment Unit 2, 11-2 To 824, San Diego, California
25. Driscoll Marine Parking Lot Paving and Structures, Shelter Island, San Diego, California
26. \$50K Memorial Union Bike Rack and Pedestrian Path, Design and Construction, Corvallis, Oregon
27. Douglas Drive Bridge, Oceanside, California
28. Orangewood Avenue Bridge Widening over the Santa Ana River, Anaheim, California
29. Sepulveda Channel New Precast Pedestrian Bridge Replacement, Los Angeles, California
30. Widen Merrill Avenue Bridge from 35-feet to 109 feet wide bridge over Cucamonga Creek Channel, Ontario, California

Healthcare/Educational:

31. \$20M Desert Sage Youth Wellness Center, Hemet, California
32. \$47M Grossmont Hospital Power Plant, OSHPD, La Mesa, California
33. \$1M Pharmacy Building Renovation, Historic Preservation, in operation during construction, Corvallis, Oregon
34. \$6.9M Balboa Hospital Cafeteria Renovation, San Diego, California
35. \$1.5M Peavy Hall Renovation, Corvallis, Oregon
36. \$13.3M Supercomputing Laboratory, Building 3, Rome Research Laboratory, Rome, New York
37. \$8M BSL-3 Laboratory, San Diego, California
38. \$1 Trillion Develop, Draft & Implement Official Policy Documents, Reconstruction of Disaster-Damaged Infrastructure, Washington, DC
39. \$55M Convert USPS Postal Facility into Seattle Public Schools Headquarters Office Complex, Seattle, Washington
40. \$6.8M Glasgow Hall, Monterey, California
41. \$43M Fitness Center, Design-Build, Coronado, California
42. \$40M Fitness Center, Design-Build, Oceanside, California

43. \$6.5 Child Development Center, San Diego, California
44. \$20M Valley Library Expansion, Corvallis, Oregon
45. \$5M Memorial Union Building Renovation, Corvallis, Oregon

Industrial/Process Piping/Power/Energy/Electrical:

46. \$2B Sunrise Power Link Project, Alpine, California (2011-2012)
47. \$16M Variable Speed Electric Motor Laboratory, Corvallis, Oregon
48. \$194M Fuel Storage Tank Farm Replacement, Naval Base Point Loma, San Diego, California, Military Engineer Magazine, 2019
49. \$6M Broadway Heights, Pole to Underground Project, City of San Diego and SDGE Joint Project, San Diego, California
50. \$59M Wood Poles to Monopole Project, TL626, Tecolote Canyon, SDGE, San Diego, California
51. Wood Poles to Monopole Project, TL600, Tecolote Canyon, SDGE, San Diego, California
52. VA Loma Linda E85 Fueling Station, Loma Linda, California
53. FAA Transmitter Receiver, Aviation Electronics, Oceanside, California

Heavy Civil/Flood Control Structures:

54. \$400M Whittier Narrows Dam Design and Construction, Whittier, California (2019)
55. \$50M Alcoa Dike, Corona, California
56. \$30M Las Pulgas Landfill, Camp Pendleton, California
57. \$25M Maerle Reservoir Retrofit, Cover, Upgrades, Carlsbad, California
58. \$19M Landfill Containment System Design and Construction, Naval Weapons Station, Indian Island, Washington
59. Dam Inspection, Maintenance and Operation - Maerle Dam
60. Dam Inspection, Maintenance and Operation - Calavera Dam
61. Dam Inspection, Maintenance and Operation - Whittier Narrows Dam
62. San Diego River Levee, San Diego, California
63. Ballona Creek, Los Angeles, California
64. Carbon Canyon Channel Orange County Loop Segment D Bikeway, Yorba Linda, California

Asset Management:

65. \$4.8M (\$500M in Construction) Defense Logistics Agency, Infrastructure Asset Condition Assessment to Design Services Worldwide
66. \$20.7M Facilities Capital Asset Program Assessment, Naval Bases, Western Pacific Region, California Nevada
67. \$9M U.S. Marine Corps Facility Condition Assessment, Okinawa, Japan
68. \$17M Sustainment Infrastructure Assessment including space utilization study, energy efficiency evaluation and study and ADA evaluation, study and report, McGuire Dix Lakehurst, Cherry Hill, New Jersey (2013-2014)
69. \$85M City of Newport Beach Condition Assessment and Master Planning, Newport Beach, California (2013-2014)
70. \$4M Facilities Sustainment and Condition Assessment, Nebo Center, Barstow, California (2013)
71. \$5M Facilities Sustainment and Condition Assessment, Yermo, Barstow, California (2013)
72. \$1M Facilities Sustainment and Condition Assessment including ADA evaluation, study and report, Camp Pendleton, California
73. \$850M Facilities Assessment, Evaluation and Campus Relocation Study, BRACON, Corpus Christi, Texas
74. Project to assess guardrail along Highway 6 Guardrail Project, ODOT, Highway 6, Tillamook, Oregon
75. \$10M Maerle Dam Asset Management Projects, Carlsbad, California
76. \$1M Wastewater Rehabilitation and Asset Management Projects, Carlsbad, California
77. \$1M Water Rehabilitation and Asset Management Projects, Carlsbad, California
78. I-TRON (Itron) SMART Meters, Smart Water Meters, Carlsbad, California
79. \$2M Miramar Water Line, Horizontal Directional Drilling, HDD, San Diego, California

Land Development, Buildings and HVAC/Energy Upgrades:

80. \$120M King County Regional Justice Center, Kent, Washington
81. \$75M Renovate Former Postal Facility, Convert to Seattle Public Schools Headquarters, Seattle, Washington
82. \$5M Mattress Warehouse Tilt-up Construction, Aloha, Oregon

83. \$3.4B Afghan National Army, Afghan National Police Design and Construction In-Country Kabul, Afghanistan (2011)
84. \$5.2M Multnomah Greyhound Race Track Kennels Design and Construction, Wood Village, Oregon
85. \$11.5M Multnomah Greyhound Race Track Renovation Project, Wood Village, Oregon
86. \$15M Building 11 Energy Upgrades, Naval Base Point Loma, San Diego, California
87. \$20M Building 53, Energy Upgrades, Naval Base Ventura County, Point Mugu, California
88. \$11.5M Hangar Addition, NAVFAC, Camp Pendleton, California
89. \$10M Site Development and Land Development for Subdivision, Oroville, California
90. \$30M Site Development and Land Development for homes, Tualatin, Oregon
91. \$12M Residential Home and Duplex Renovations, Camp Pendleton, California
92. \$40M Dover Housing Construction Project, Dover, Delaware
93. \$100K Design and Construct Residential Home Addition, Albany, Oregon
94. \$250M Various Roof Replacements, Tinker AFB, Oklahoma City, Oklahoma
95. \$25K Replace Ventilation System, Building 16, Tinker AFB, Oklahoma City, Oklahoma
96. \$50K Replace Building Siding, Red River Army Depot, Red River, Texas
97. \$150K residential design and construction, Oceanside, California (2014-2017)
98. Command and Control Center, Oceanside, California
99. Command and Control Center, San Diego, California
100. \$29M Public Private Venture, PPV Housing Apartment Towers, National City, California
101. \$19M Parking Structure, San Diego, California
102. Land Development Residential Subdivision Design, WRG Design, Inc. Tualatin, Oregon
103. Land Development and Construction, FEMA Temporary trailers/housing for Camp Fire victims, Oroville, California
104. Land Development for new \$20M Desert Sage Youth Wellness Center, Hemet, California
105. Skyline Heights Residential Land Development Project, 300 total lots, 292 low density residential lots and supporting infrastructure, 3 Phases, Corona, California
106. Montebello Hills Residential Land Development 224.5 acre development of 1200 residential units, neighborhood park, recreation center, multi-use trail system, Montebello, California
107. Lilac Hills Ranch Land Development Project, 608 acres, Bonsall, California

Waterfront:

108. \$17M Shelter Island Boat Launch, Port of San Diego, California (2017-2018)
109. \$2M Portside Pier, Port of San Diego, California (2017-2018)
110. \$50K Design and Construct Pier Supported Boat Dock, Albany, Oregon
111. \$22M Fire Station with Docks, Port of Long Beach, Long Beach, California
112. \$32M Harbor Cut, Port of Los Angeles, Los Angeles, California
113. \$2M Naval Ammunition Depot, NAVFAC, Indian Island, near Poulsbo, Washington
114. \$9M Pier 5000, NAVFAC, Naval Base Point Loma, San Diego, California
115. Pier 5000 North Side Outer Berth and Approach Area Dredging Project, Naval Base Point Loma, San Diego, California
116. \$5M Dredging and Boat Docks Construction/Installation, Marine Corps Recruit Depot, San Diego, California
117. \$39M Degaussing Pier, Naval Base Point Loma, San Diego, California
118. \$2M Boat Dock Facilities Assessment, Newport Beach, California
119. \$4M Proposed Dredging and Cable Removal, Southern California Edison, Newport Beach, California
120. \$9M Proposed Aids to Navigation, USCG, Oceanside Harbor, Oceanside, California
121. \$2M Explosive Ordinance Investigation, Assessment & Retrieval, Lead EOD Crews, Indian Island, Washington
122. \$5M Hunters Point, Landfill Cap Paving, San Francisco, California

Water/Wastewater/Storm Water and Utilities:

123. \$35M Carlsbad Water Recycling Plant Upgrades, Carlsbad, California
124. \$1M Wastewater Pipelines Rehabilitation, Carlsbad, California
125. \$43.5M Agua Hedionda Pump Station, Carlsbad, California
126. \$1M Sanitary Sewer, CCTV of Gravity Lines, Condition Assessment, Carlsbad, California
127. \$53M Buena Vista Sanitary Sewer Line Replacement, Carlsbad, California

128. \$1.5M Domestic Water Valve Replacement Project, Carlsbad, California
129. \$35M Combined Sewerage Overflow, CSO, Corvallis, Oregon
130. \$1.1M Willamette River Water Treatment Facility, Corvallis, Oregon
131. \$9.9M Wastewater Treatment Plant Upgrades, Camp Pendleton, California
132. \$3.9M Construct Domestic Water Wells, Camp Pendleton, California
133. \$250K Domestic Water Well Construction, Hemet, California
134. \$200K Construct Domestic Water Tank, Hemet, California
135. \$14M City of Turner Sanitary Sewer System, Lift Station Design and Construction and Force Mains Construction, Turner, Oregon
136. \$21M Industrial Stormwater Permit Compliance and Monitoring, NBC, NASNI, Miramar, NBSD, California and Coronado, California
137. \$30M GIS Surveying and Mapping of Sanitary Sewer System, Camp Pendleton, California
138. \$3M Emergency Water Line Replacement, Domestic Water Line Replacement following Water Main Break, Palomar Airport, Carlsbad, California
139. \$5M Poinsettia Lift Station Renovation and Pump Station Upgrades, Carlsbad, California
140. \$19M SCADA for Water, Wastewater and Recycled Water Upgrades, Carlsbad, California
141. Install and attach a 12-inch diameter cement-mortar-lined-and-coated (CML&C) pipeline within an 18-inch diameter welded steel pipe casing (sleeve) onto the north side of the Merrill Avenue Bridge parapet over the Cucomonga Creek Channel, Ontario, California
142. Repair Sullivan Canyon High Pressure Gas Lines 3003 and 407, Los Angeles, California
143. \$2Billion Sunrise Powerline Project, San Diego, California
144. Santa Paula Creek Channel HDD 10 inch steel pipe casing to carry 8 inch diameter sewer effluent line, Santa Paula, California

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OTHER FEATURED SUCCESSFULLY COMPLETED DISASTER RECOVERY PROJECTS (Continued)

1. FEMA Camp Fire Disaster Number FM-5278-CA Disaster Recovery, Site Assessment and Utilities Infrastructure Experience: The Camp Fire in Paradise, California burned over 153,336 acres in November 2018 destroyed nearly 15,000 homes; displaced 50,000 people. Identified a site in Oroville, California. Cleared the site, set up and installed all utility infrastructure to provide housing for those affected by the Camp Fire in Paradise, California. FEMA and the U.S. Army Corps of Engineers, along with consultants and contractors, successfully completed the project. As a Senior Level Civil Engineer and Senior Project Manager consultant for FEMA on the disaster recovery contract, successfully completed the site development and utility infrastructure for the site development and emergency housing construction project. Project involved clearing and grading, constructing fence, new water lines, sanitary lines, electrical service to each future homesite and constructing new residential streets and curbs. Navigated and mitigated challenging soil conditions while building-out the site.



FEMA Site Development and Housing Assistance Project in Oroville, California March 2019

2. FEMA Hurricane Maria Disaster Recovery Project. Disaster Number: DR-4339-PR Disaster Recovery. FEMA PA-TAC Program. As a consultant for FEMA Region 1, Hired as Subject Matter Expert, SME in Policy Development for Real Estate, Planning, Design and Construction. Developed planning, design and construction policy documents for FEMA disaster recovery in Puerto Rico. Drafted DHS and FEMA disaster recovery policy and guidance documents to prepare to re-build over \$100 Billion in infrastructure on the island of Puerto Rico. There were 3,059 deaths and monetary losses are estimated at \$91.61 billion (2017 USD).

