

EDUCATION

- 1970 M. S., Civil Engineering, Stanford University
- 1966 B. S., Mechanical Engineering, Stanford University
- 1966 B. S., Economics, Claremont Men's College
- 1977-1978 Graduate Work in Hydrology, University of California at Berkeley
- 1970-1972 Graduate Work in Physical Oceanography, University of Hawaii

REGISTRATION

- 1975-Present Professional / Civil Engineer - Hawaii #3878
- Certified Diver - Hawaii

AFFILIATIONS

- American Society of Civil Engineers
- American Water Works Association

EXPERTISE

- Groundwater and Surface Water Development
- Hydraulics and Water System Design
- Flood Control and Drainage
- Costal Engineering

EXPERIENCE

- 1989-Present Tom Nance Water Resource Engineering - Honolulu, Hawaii**
President
- 1972-1989 Belt Collins & Associates - Honolulu, Hawaii**
 - 1979-1989 Senior Water Resources Engineer
Specializes in hydrologic and engineering studies and designs for water resource development, flood control projects, and unusual drainage applications such as injection wells.
 - 1975-1979 Project Engineer
Responsible for hydrologic investigations, engineering feasibility, and design studies and environmental impact statements.
 - 1972-1975 Civil Engineer
Engineering feasibility studies; environmental impact assessments and statements.
- 1970-1972 Donald Wolbrink & Associates - Honolulu, Hawaii**
Participated in engineering and planning studies
- 1996-1968 U.S. Peace Corps** (Served as a volunteer in Micronesia)
Civil Engineer / Teacher
- 1964-1965 Hawaiian Electric Company - Honolulu, Hawaii**
Student Engineer
- 1962-1963 Honolulu Board of Water Supply - Honolulu, Hawaii**
Student Engineer

SELECTED PROJECTS

- 2015-2016 Kihei High School Irrigation Wells - Maui
- 2015-2016 Keopu Deep Monitor Well, Kona - Hawaii
- 2015-2016 Polena Wells 1 and 2, Makena - Maui
 - 2015 BRE-1 Well in Haliimaile - Maui
 - 2015 Kamalani Irrigation Well, Kihei - Maui
 - 2015 Anderson AFB New Well Development - Guam
 - 2015 Evaluation of the Navy's Barbers Point Shaft - Oahu
- 2014-2016 Hawaii Dairy Farms Groundwater Evaluation - Kauai

SELECTED PROJECTS (continued)

- 2014-2016 Monitor of High Level Groundwater in the Keauhou Aquifer, Kona - Hawaii
- 2014-2015 Palani Well and Pump Assessment, Kona - Hawaii
 - 2014 Kahana Artesian Well Rehabilitation - Oahu
 - 2014 Reservoir Sizing for Maui DWS Treatment Plant at Kamaole Weir - Maui
- 2013-2014 Saltwater Supply and Concentrate Disposal Wells for Lanai Desalinization - Lanai
- 2013-2014 Saltwater Supply and Disposal Wells for Hoakalei Cove - Oahu
- 2013-2014 Supply and Disposal Wells for Puunene Heavy Industrial Subdivision - Maui
- 2013-2014 Wailuku Well 2 - Maui
- 2013-2014 Nalu Ola Well - Maui
- 2013-2014 MECO Maalaea Disposal Wells 3 and 4 - Maui
- 2013-2014 Rehabilitation of Keauhou Well 2 - Hawaii
 - 2013 Hydrologic Analysis of Kalihiwai Reservoir - Kauai
 - 2013 Makaha West Irrigation Well - Oahu
 - 2012 Brydeswood Well 1 - Kauai
 - 2011 Disney Aulani Resort Saltwater Supply and Disposal Wells - Oahu
 - 2011 Covanta (HPOWER) Disposal Wells - Oahu
 - 2011 New Well at St. Stephens Diocesan Center - Oahu
 - 2011 New Well at Fort Shafter - Oahu
 - 2011 Lanai Well 15 - Lanai
 - 2011 DWS Halaula Well - Hawaii
 - 2010 DWS Kapulena Well - Hawaii
 - 2010 Robinson Well No. 1 - Oahu
- 2009-2010 Kamakana Villages Deep Exploratory Well - Hawaii
- 2009-2010 NOAA Ford Island Deep Saltwater Well - Oahu
- 2009-2010 Alii Turf Helemano Well - Oahu
 - 2009 Central Maui Baseyards Well - Maui
 - 2009 New Wells at Kealia NWR - Maui
 - 2009 Kaanapali P-5A Well - Maui
 - 2009 Villages of Lealii Potable Water Master Plan - Maui
- 2008-2009 Waikoloa Drinking Well No. 8 - Hawaii
 - 2008 Kaanapali P-3 Well - Maui
 - 2008 Kaupulehu Well 11 - Hawaii
 - 2008 Princeville Well No. 5 - Kauai
 - 2008 Lanai Well 3 - Lanai
 - 2008 Potable Water Master Plan for Kikiaola - Kauai
- 2007-2008 A&B's Waiale Well Nos. 1 and 2 - Maui
- 2007-2008 Kula 1800 Well Nos. 1 and 2 - Maui
 - 2007 Maui Lani Irrigation Well No. 3 - Maui
 - 2007 Kamaole Well Nos. 1 and 2 - Maui
 - 2007 Waikoloa Drinking Water Well No. 7 - Hawaii
 - 2007 DWS' Waiohinu Well - Hawaii
 - 2006 DWS' Ahualoa Well - Hawaii
 - 2006 Hapuna Irrigation Well No. 4 - Hawaii
 - 2006 Kapalawai Resort Potable Wells - Kauai
 - 2006 Poipu Wastewater Treatment Plant Disposal Wells - Kauai
 - 2006 Ko Olina Resort Deep Saltwater Supply Well - Oahu
 - 2006 Kealahewa Potable Wells 1 and 2 - Hawaii
 - 2006 Falko Potable Wells 3 and 4 - Kauai
- 2005-2006 Kaupulehu Potable Well No. 6 - Hawaii
- 2005-2006 Kaupulehu Irrigation Well No. 6 - Hawaii
- 2005-2006 Maui Lani Potable Wells 5, 6, and 7 - Maui
 - 2005 Groundwater Exploration Program, Pohnpei Island of FSM
 - 2004 Waikoloa Drinking Water Well No. 6 - Hawaii
 - 2004 Honomu Potable Well - Hawaii
 - 2004 Saltwater Wells for the Hilton Hawaiian Village Lagoon - Oahu
 - 2004 Groundwater Modeling of Saltwater Disposal at the Oceanic Institute - Oahu

SELECTED PROJECTS (continued)

- 2004 Stormwater Modeling for the Pacific Missile Range Facility - Kauai
- 2004 Waikoloa Effluent Disposal Well - Hawaii
- 2004 Kiahuna Mauka Water Master Plan - Kauai
- 2004 Village at Poipu Water Master Plan - Kauai
- 2004 Kukui'Ula Offsite Water Master Plan - Kauai
- 2003-2004 Kaupulehu Potable Well No. 5 - Hawaii
- 2002-2004 Anderson AFB Drinking Water Wells - Guam
- 2003-2004 Four Saltwater Disposal Wells at the Oceanic Institute - Oahu
- 2001-2003 Piwai Well Nos. 2 and 3 - Kauai
- 2003 Hapuna Irrigation Well No. 4 - Hawaii
- 2002 Kauaula Well No. 3 - Maui
- 2002 Kaluakoi Resort Brackish Irrigation System - Molokai
- 2002 Kaluakoi Potable Water System - Molokai
- 2001 East Maui Irrigation Ditch / Stream Study - Maui
- 2001 Mana Plain Drainage Study - Kauai
- 2001 Hanamaulu Bay Oceanfront Wells - Kauai
- 2001 Evaluation of Koloa Well F - Kauai
- 2001 Trex Disposal Well - Kauai
- 2001 Koele Golf Course Irrigation Supply - Lanai
- 2001 Poeleele Well - Kauai
- 2001 Pump Testing of the DLNR Oahu (Kaimuki) Exploratory Wells - Oahu
- 2001 Kealia Pond for Maui National Wildlife Refuge - Maui
- 2001 Falalop Island Water System - Ulithi Atoll, Yap Islands
- 2001 Kii Well Rehab at Kahuku Wildlife Refuge - Oahu
- 2001 Waiau Pipeline for HECO - Oahu
- 2001 Ameron Quarry - Oahu
- 2001 Department of Water Supply Waiaha Well and Tank - Hawaii
- 2000 South Kohala Groundwater Assessment - Hawaii
- 2000 Lihue Energy Services Center Water System Design - Kauai
- 2000 1.5 MG Reservoir at Mauna Lani WWTP - Hawaii
- 2000 Yyin to Gargey Pipeline - Yap Islands
- 2000 HASEKO Ocean Pointe Water Master Plan - Oahu
- 2000 Irrigation Wells for Hualalai Resort - Hawaii
- 2000 CEATECH Plantations Wells 3 and 4 - Kauai
- 2000 Dillingham Airfield Water Supply Evaluation - Oahu
- 2000 Hanalilolilo Intake and Pipeline - Molokai
- 2000 Hapuna Well No. 3 - Hawaii
- 2000 Launiupoko Well - Maui
- 2000 Department of Water Supply Waiaha Well - Hawaii
- 2000 Design of the Maa-Rumung Pipeline Extension - Yap Islands
- 2000 Gagil-Tomil System Extension - Yap Islands
- 2000 Kaupulehu Potable Well No. 4 - Hawaii
- 1999 Kapalawai Resort Water Systems - Kauai
- 1999 Kadday to Yyin Pipeline - Yap Islands
- 1999 Kekaha Sugar Plantation Infrastructure Study - Kauai
- 1999 Maui Land & Pineapple Well in Haliimaile - Maui
- 1999 Mauna Lani Resort Irrigation Well Nos. 8 and 9 - Hawaii
- 1998 Coral Creek Golf Course Well Development - Oahu
- 1998 Uplands Water System Design - Hawaii
- 1998 Puu O Hoku Ranch Well Development - Molokai
- 1998-1999 Kailua Well Development for East Maui Irrigation - Maui
- 1998 Waikele Stream Evaluation - Oahu
- 1998-1999 Groundwater Development in Eyeb Valley - Yap Islands
- 1998-1999 Drainage Assessment for Hawaii Reserves, Inc. - Oahu
- 1998-1999 Well Development at Papaa Bay Ranch - Kauai
- 1996-1997 Bay View Golf Course Irrigation Wells - Oahu
- 1996-1997 Molokai Ranch Replacement Pipelines - Molokai

SELECTED PROJECTS (continued)

- 1996-1997 Molokai Ranch 15 MG Storage Reservoirs - Molokai
- 1996-1997 Waiola Well - Molokai
- 1996-1997 Parker Wells Outfitting - Hawaii
 - 1996 Royal Kunia Golf Course Irrigation Well - Oahu
 - 1996 Hawaii Reserves, Inc. Contested Case - Oahu
 - 1996 Puuloa Caprock Users Group Master Plan - Oahu
- 1997 Kauai Electric-Chevron Groundwater Evaluation - Kauai
- 1994-1997 Ewa Caprock Aquifer Monitoring - Oahu
 - 1995 Kaupulehu Potable Wells Evaluation - Hawaii
 - 1995 Pecatu Graha Project - Bali, Indonesia
 - 1995 Taman Dayu Well Drilling - Surabaya, Indonesia
 - 1995 Princeville Water Master Plan - Kauai
 - 1995 Kaupulehu Brackish Pond Turnover - Hawaii
 - 1995 Honolulu Resource Recovery Venture Disposal Wells Report - Oahu
 - 1995 Outfit Mauna Lani Resort's Parker Wells - Hawaii
 - 1995 Princeville PUC 1995 Rate Case - Kauai
 - 1995 EPWDC Non-Potable Source Plan - Oahu
 - 1995 Kaupulehu Disposal Wells - Hawaii
 - 1995 DWS Piihonua Well Pump Test - Maui
 - 1995 Kaupulehu Potable Well Nos. 1 and 2 - Hawaii
 - 1995 Ookala Well (DWS) - Maui
 - 1995 Waiahole Irrigation Company - Oahu
 - 1995 Gentry Area 26 Well - Oahu
 - 1995 Second Honouliuli 228 Tank - Oahu
 - 1995 Lanai Well No. 14 Outfitting - Lanai
 - 1995 Big Island Country Club Estates Potable Wells Certification - Hawaii
 - 1995 Mauna Kea Hotel Drainage Improvements - Hawaii
 - 1995 Gentry Area 26 Irrigation Station - Oahu
- 1994 Waialua Sugar Company Pump 3 DOH Certification - Oahu
- 1994 Islands Saltwater Well Permits, Mauna Lani Resort - Hawaii
- 1994 Kehena Ditch Evaluation for Kohala Ranch - Hawaii
- 1994 Chiyoda Makakilo Golf Course - Oahu
- 1994 Gentry Waiawa Recharge Study - Oahu
- 1994 Kawaihae Cogeneration Supply and Disposal Wells - Hawaii
- 1994 Kapolei Irrigation Pump Station - Oahu
- 1994 Campbell Agricultural Lands Water System - Oahu
- 1994 AES Federal UIC Permit - Oahu
- 1994 Campbell Estate's Malaekahana Water System - Oahu
- 1994 Hauula Well Evaluation - Oahu
- 1994 Kapalua's Well No. 3 - Maui
- 1994 Waikoloa's Tank 1200S-2 - Hawaii
- 1994 Gentry Golf Course Irrigation Pump Station - Oahu
- 1994 HRT's Makaha Site Groundwater Evaluation - Oahu
- 1994 Kalaeloa Partner's New Monitoring Wells - Oahu
- 1994 Castle & Cooke Central Oahu Master Plan - Oahu
- 1994 Kaupulehu Makai Irrigation Well Outfitting - Hawaii
- 1994 Villa Escudero - Philippine Islands
- 1994 HPOWER Disposal Wells DOH Report - Oahu
- 1994 Lost River Water Supply Evaluation - Guam
- 1994 Makakilo Golf Course - Oahu
- 1993 Lanai Water System Development - Lanai
- 1993 Kapolei City Irrigation System - Oahu
- 1992-1993 Laie Water Master Plan - Oahu
- 1992-1993 Kohala Ranch Well Nos. 3 and 4 - Hawaii
- 1992-1993 Mauna Lani Resort's Parker Wells - Hawaii
- 1992-1993 SNM Rota Island Resort - Rota Island, CNMI
- 1993 ABB Cogeneration Plant Saltwater Supply Wells - Oahu

SELECTED PROJECTS (continued)

- 1991-1993 Keauhou High Level Well Development - Hawaii
- 1992-1993 Waiawa by Gentry Water System Development - Oahu
- 1990-1993 Kaupulehu Resort Water System Development - Hawaii
- 1991-1992 Kona Country Club Irrigation Well - Hawaii
- 1992 Lihilani Groundwater Development - Oahu
- 1992 Honouliuli Wastewater Reclamation and Reuse Study - Oahu
- 1992 Big Island Country Club Irrigation Well - Hawaii
- 1991-1992 Hapuna Golf Course Irrigation Wells - Hawaii
- 1991-1992 Ewa Caprock Aquifer Computer Model - Oahu
- 1991-1992 South Kohala Water Master Plan - Hawaii
- 1992 Princeville Well Development - Kauai
- 1990-1992 Waikoloa Well Nos. 1, 2, and 3 - Hawaii
- 1991 Waikoloa Water System Master Plan - Hawaii
- 1991 Lalamilo Water System Expansion - Hawaii
- 1991 Saltwater Wells for the Islands at Mauna Lani Resort - Hawaii
- 1990-1991 Bali Golf & Country Club Irrigation Wells - Bali, Indonesia
- 1990-1991 Honouliuli Well Nos. 1 to 6 - Oahu
- 1990-1992 Ewa by Gentry Irrigation System Development - Oahu
- 1990 Saltwater Supply and Disposal Wells for the AES Cogeneration Plant - Oahu
- 1990 Makakilo Golf Course Supply Wells and Desalination Plant Design - Oahu
- 1990-1991 Kapalua Resort Well Nos. 1 and 2 - Maui
- 1989 Lalamilo Water System, Mauna Lani Resort - Hawaii
- 1989-1990 Waikoloa Water System Expansion - Hawaii
- 1988-1990 Clark AFB Well Development - Philippine Islands
- 1988-1990 Mangilao Golf Course Irrigation Well Development - Guam
- 1990 Waikoloa Stream Flood Study - Hawaii
- 1986-1988 Ewa Water System Development - Oahu
- 1986-1888 Reclamation & Beach Construction - Sentosa, Singapore
- 1988 Waikoloa Beach Resort Irrigation Well Development - Hawaii
- 1988-1992 Mauna Lani Resort Irrigation Well Development - Hawaii
- 1987-1988 Westin Kauai Irrigation Well Development - Kauai
- 1986 Makaiwa Bay Beach Development, Mauna Lani Resort - Hawaii
- 1984 Kosrae Groundwater Development - Trust Territory of the Pacific Islands
- 1984-1988 Palau Islands Groundwater Development - Palau, Micronesia
- 1983-1984 Keauhou Resort Golf Course Irrigation Well Development - Hawaii
- 1983-1984 Kula Up-Country Water Study - Maui
- 1983-1984 Ewa Water Master Plan - Oahu
- 1984 & 1988 Lalamilo Water System - Hawaii
- 1983 Beach Construction, Mauna Lani Bay Hotel - Hawaii
- 1983 Southern Water System - Yap Island, Micronesia
- 1983 Water Development - Saipan, Micronesia
- 1982 Molokai Water Master Plan - Molokai
- 1982 Yap Island Groundwater Exploration & Development - Yap Island, Micronesia
- 1983 & 1988 Molokai Ranch Mountain Water System - Molokai
- 1981 Princeville Golf Course Irrigation System - Kauai
- 1978-1980 Prototype High Capacity Injection Well Field Testing - Maui
- 1979 Irrigation Well, Liliuokalani Trust - Hawaii
- 1980 Yap Island Sewage Treatment Plant Ocean Outfall - Trust Territory of the Pacific Islands
- 1981 Design of the Gagi-Tomil Water System - Yap Island, Micronesia
- 1979 Tripler Hospital Traffic Study - Oahu
- 1980 & 1982 Kaunalapau Harbor Breakwater Repair - Lanai
- 1979 Beach Development Study for Mauna Loa Land Resort - Hawaii
- 1980 Drainage Master Plan, Waiale Development - Maui
- 1980 Conceptual Water Development Plans for Colonia, Gagil-Tomil, and Southern Yap areas of Yap State - Trust Territory of the Pacific Islands
- 1980 Appeal of FIA Flood Hazard Designations for the Mauna Loa Land, Inc. Resorts - Hawaii
- 1979 Irrigation Wells for Kiahuna Golf Village - Kauai

SELECTED PROJECTS (continued)

- 1979 Yap Islands Groundwater Investigation - Yap Island, Micronesia
- 1978 Yap Wastewater Facility Plan - Trust Territory of the Pacific Islands
- 1976-1977 Wailua Basin Water Resources Development Study (Dam Feasibility Study, Hydropower, Flood Control, Irrigation) - Kauai
- 1977 Irrigation Study, Kilauea Agricultural Subdivision - Kauai
- 1977 Waimea to Kawaihae Water Transmission Line Study - Hawaii
- 1976 Sewerage Master Plan, U.S. Naval Facility - Diego Garcia, Indian Ocean
- 1975 South Kohala Groundwater and Deep Well Evaluation Study - Hawaii
- 1975 Fort Shafter Sewage Pump Station - Oahu
- 1974 Tafuna Industrial Park - Tutuila Island, American Samoa
- 1974 Kapalua Master Plan - Maui