

GRANT TOKUMI, P.E.

Honolulu, Hawaii

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Civil Engineer – *July 2017 to August 2019 – Honolulu, Hawaii*

Oceanit - Prepare contract documents and reports for private and public works projects.

Nu'uanu Reservoir #1 – Board of Water Supply

Prepare a Preliminary Engineering Report and Feasibility Analysis for design alternatives to bring the existing reservoir into compliance with current state dam safety standards, including spillway design, embankment grading, and outfall pipe profile.

Airport Infiltration – Hawaii State DOT Airports

Use noninvasive measures to determine the source and path of groundwater entering the basement of the International Arrivals Terminal at the Honolulu International Airport.

Kawaihae Small Boat Harbor – Division of Boating and Ocean Recreation (DOBOR)

Prepare improvement plans for infrastructure improvements at the boat harbor in Kona, Hawaii, including parking lot grading, water lines, shower amenities, and lighting.

Project Manager - *January 2004 to June 2017 – Las Vegas, Nevada*

GCW, Inc. - Prepare contract documents for private and public works projects, including improvement drawings, specifications, design reports, calculations, and cost estimates. Provide construction support and consultation throughout construction. Experience in site layout and grading, design of utilities including water, wastewater, and storm drain. Design of large 1000+ acre-feet detention basins using AutoCAD Civil 3D, and analyses of major regional open channel and storm drain systems. Projects include:

Muddy River Cooper Street Bridge

Project completed in July 2015. Construction cost = \$14 million.

All weather bridge crossing and 4,600 LF of open channel to convey 21,400 cfs through the Muddy River in Overton, Nevada. Responsibilities include layout and grading of flood control channel and vertical profile of elevated roadway, utility relocation design, design report preparation, project specifications, cost estimate, and construction support services. The project required preservation of a natural meandering river (USACE 404 permit). The project included relocation of an existing underground gravity irrigation system, and installation of a steel carrier pipe under the concrete channel for future water line crossing.

- [Google Map of Project Site - https://goo.gl/maps/0bB54](https://goo.gl/maps/0bB54)

- [Link to project documents - http://rcarchive.com/engineering/MuddyRiver/](http://rcarchive.com/engineering/MuddyRiver/)

Western Clark County 215 Bruce Woodbury Beltway - Craig Road to Hualapai Way

Project completed in 2018. Construction cost = \$29 million.

As a subconsultant to CH2M, design a 530 acre-foot regional detention basin and approximately 11,000 LF of reinforced concrete box (RCB) storm drain ranging in size from 8x6 RCB to 14x9 RCB. Responsibilities include layout and contour grading of the dual

detention basin using AutoCAD Civil 3D feature lines, layout and profile of storm drain, water relocations, Subsurface Utility Engineering (SUE) of existing utilities, project design report/calculations, project specifications, cost estimate, and construction support services.

- [Google Map of Project Site - https://goo.gl/maps/OJrg7](https://goo.gl/maps/OJrg7)

- [Link to project documents - http://rcarchive.com/engineering/WesternBeltway/](http://rcarchive.com/engineering/WesternBeltway/)

Angel Park Detention Basin Expansion

Project completed in 2014. Construction cost = \$7 million.

Expansion of an existing flood control detention basin in Las Vegas, Nevada to detain approximately 1,600 acre-foot of storm water. Responsibilities include layout and contour grading of the detention basin using AutoCAD Land Desktop 3D polylines and surfaces, storm drain plan and profiles, project design report/calculations, project specifications, cost estimate, and construction support services.

- [Google Map of Project Site - https://goo.gl/maps/8leZG](https://goo.gl/maps/8leZG)

- [Link to project documents - http://rcarchive.com/engineering/AngelPark/](http://rcarchive.com/engineering/AngelPark/)

Civil Engineer - May 2000 to January 2004 – Las Vegas, Nevada

Southwest Engineering - Design and preparation of civil improvement plans, including grading, utility, traffic, plan & profile, and earthwork calculations using AutoCAD 2000. Perform hydrologic and hydraulic analyses using HEC-1, Flowmaster, HEC-RAS, WSPG, Culvert Master, and StormCAD software. Prepare technical drainage study reports for land development projects and master plan drainage facilities. Perform hydraulic water network analysis for commercial and residential developments using WaterCAD software, prepare water network analysis reports.

Engineering Intern - Sept. 1999 to May 2000 – Las Vegas, Nevada

VTN Nevada - Perform hydrologic and hydraulic analyses, design drainage and flood control facilities, prepare drainage study reports. Perform hydraulic water network analysis for commercial, residential, and master plan developments using Haestad's Cybernet program.

Engineering Intern - Mar. 1998 to Sept. 1999 – Las Vegas, Nevada

The WLB Group - Develop civil improvement plans, including grading, utility, and horizontal control plans. Construct drawings using AutoCAD R14 and Softdesk 8.

Multimedia Technician - Jan. 1991 - Dec. 1997 – Honolulu, Hawaii

Center for Instructional Support, University of Hawaii - Monitor and update the equipment inventory on a computer database. Schedule reservations on a computer database for A/V equipment needed by clients. Assist clients in use of A/V equipment.

Engineering Technician - Jun. 1996 - Aug. 1996 – Honolulu, Hawaii

Navy Public Work Center, Pearl Harbor - Prepare contracts for various Navy construction and maintenance projects. Responsibilities include development of technical portions of the contract and determining cost estimates for the project scope.

CREDENTIALS **Professional Engineer (PE)** - *June 2002*
Registered in Nevada - Lic. No. 15517
Registered in Hawaii – Lic. No. 17480

ASCE Engineer of the Year - Private Sector - *February 2008*

Engineering Mentor of the Year - *January 2004 and January 2017*
Future City Competition - <http://futurecity.org/>

EDUCATION **Bachelor of Science Degree in Civil Engineering** - *December 1997*
University of Hawaii at Manoa

COMPUTER EXPERIENCE **Software:** AutoCAD Civil 3D, HEC-RAS, WSPG, WSPGW, Flowmaster,
HEC-1, HY8, StormCAD, WaterCAD, Adobe (Photoshop /
Premiere), MS-(Excel / Word / Power Point / Project).

Web page design
[Hawaii Hiking Gallery](#) - a hiking photo gallery web site.
[Robotic Combat - Irrigator](#) - fighting robots.

PERSONAL **Eagle Scout, October 1990, Troop 35**
Assistant Scoutmaster, 1990 – 1997
Assistant Scoutmaster, 2017 to present