

## RESUME of MITCHELL G. JOHSON

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### AREAS OF EXPERIENCE

#### IRRIGATION DESIGN

Experience in all facets of irrigation design, including planning of potable and recycled water supplies for irrigation; preparation of irrigation system drawings and construction details; and calculation of irrigation system pressure requirements for proper operation.

#### IRRIGATION SITE OBSERVATION

Experience in on-site irrigation installation observation to comply with irrigation design and client requirements, including submittals, materials installed, conformance to irrigation construction details, performance and coverage, and as-built documentation.

#### TEACHING

Served as primary instructor for select companies and colleges for irrigation design classes. Basic and Intermediate irrigation design classes were taught with emphasis on environment and proper design elements with sequential design applications. I developed and refined Basic and Intermediate Irrigation Design booklets for handout. Elements included basic hydraulics, sprinkler head layout, valve grouping and considerations of such, slope irrigation, equipment preferences and specialty equipment applications, hydraulic calculations for proper operation, various types of pipe and their respective sizing, valve sizing and reasons not to oversize, graphic considerations of the irrigation drawings.

#### PROFESSIONAL GROUPS

Former member and officer of American Society of Irrigation Consultants (ASIC).

#### OTHER SKILLS

Microsoft applications, AutoCAD.

### WORK EXPERIENCE

Sept. 2015 – Present	<b>WATER RIGHT DESIGN</b>	IRVINE, CA
	Irrigation designer for an irrigation design and consulting firm specializing in commercial, large-scale residential, and recreation facility projects. Working primarily for landscape architecture firms, Water Right Design also provides infrastructure planning and water ordinance compliance services, such as landscape water use calculations and irrigation scheduling using custom proprietary software developed in-house.	

- November 2008 – D.D. PAGANO, INC. ORANGE, CA  
 May 2013 Irrigation designer. Provided irrigation design on an on-call basis dependent on office work load. Projects include Disney in China, Florida, and California, including renovations to California Adventure and Disneyland, as well as projects for landscape architectural firms, companies, municipalities, and The Irvine Company.
- December 2004 – ROBERT MITCHELL & ASSOCIATES, INC. LAKE FOREST, CA  
 March 2008 Irrigation designer. Under Bob McHenry, provided irrigation design for developer oriented projects for single and multi-family housing, which also included association-maintained parks, streetscapes, slopes, etc.
- January 1984 – JOHNSON IRRIGATION DANA POINT, CA  
 December 2004 Sole Proprietor/Owner. Provided irrigation consulting services for a variety of clients, mostly landscape architectural firms, for parks, streetscapes, slopes, building renovations, etc., and performed site observation and documentation for most projects.
- January 1977 – D.D. PAGANO, INC. ORANGE, CA  
 January 1984 Irrigation designer. Worked with clients to provide irrigation design services for a variety of projects which included a large scale military base located in Jubail, Saudi Arabia (General Contractor-Hyundai).
- March 1971 – KAMMEYER HOGAN & LYNCH RIVERSIDE/IRVINE, CA  
 January 1977 Irrigation designer. Primary irrigation designer providing irrigation design services for a variety of clients, including City and County of Riverside, Murrieta Resort, etc.
- July 1970 – CALTRANS (California Department of Transportation-District 7) LOS ANGELES, CA  
 March 1971 Irrigation designer. Prepared irrigation plans for systems that were “roughed” by a licensed landscape architect. Performed other irrigation related duties as required.

## **CREDENTIALS**

1982 – Present California Lifetime Teaching Credential (Ornamental Horticulture).

## **PROFESSIONAL ACCOMPLISHMENTS**

- 2001-2004 INSTRUCTOR  
 Irrigation Practices, University of California (UCI), Irvine, CA.
- 2000-2003 INSTRUCTOR  
 Irrigation Design, Orange Coast College, Costa Mesa, CA.
- 1982 NATIONAL PRESIDENT  
 American Society of Irrigation Consultants (ASIC).  
 As President, I presided over an ASIC committee for creation of the Irrigation Major at Cal Poly, Pomona.
- 1979-1982 SOUTHERN CALIFORNIA CHAPTER PRESIDENT  
 American Society of Irrigation Consultants.
- 1975-2003 INSTRUCTOR  
 Toro University Irrigation Design Seminars.

## **EDUCATION**

1977 FULLERTON COLLEGE FULLERTON, CA  
 Associate Arts Degree, Liberal Arts

October 2015