**Nidal Tizani**

**Local to Santa Ana, CA 92707**

**Summary**

* Professional Civil Engineer with 20+ years of experience in residential, commercial, industrial, land development and government projects.
* Highly proficient in street design, water/wastewater, grading, utilities, hydrology and hydraulics, retaining walls, pavement evaluation, and incorporating ground, aerial, and geotechnical topography field information.
* Licensed Professional Engineer in Russia and Lebanon with working towards obtaining one in the United States. Adept with quickly identifying client needs and project requirements to manage projects efficiently.
* Over 20 years of experience in all versions of AutoCAD, and Land Development Desktop (LDD) and Civil 3D all version.
* Extensive knowledge of AutoCAD packages including: Soft desk 8, LDD 2-8,
* AutoCAD Civil 3D 2010-2024

**Skills**

* AES Software
* WSPG/WSPGW
* HEC-RAS
* AutoCAD
* Civil 3D
* Retain Pro 6.1-10
* ENERCALCS
* Softdesk 8
* HydroFLOW
* HydroCAD
* ProjectWise
* HydroCalc
* FlowMaster
* MapsOnline
* StreamStats
* Lidar Portal

**Employment History**

**Senior Project Engineer** \**Project Manager** **Feb 8,2021 –Present, Feb 2014 - Dec 2016**

**MDS Consulting – Irvine, CA Feb 2012 – Jun 2013, Jun 2005 – Feb 2008**

* Responsible for management of daily design team workload/progress of street design, water, sewer, storm drain, grading, hydrology and hydraulics, using Retain Pro 6.1-10 for retaining wall structural calculations for a wide variety of private sector projects ranging in size from mid to large, residential and commercial projects.
* Drainage design experience includes the handling of major drainage basins with regards to capacity, storage of detention basins, Rational Method using AES software, sizing catch basins and pipes, and using Water Surface Elevation software (WSPG 1or WSPG W) to determine the 100 year HGL.
* Using Civil Design, Unit Hydrograph, and Routing Software to determine the acre-footage needed (pre and post development) for the detention basin capacity, especially for large acre projects.
* Using HEC-RAS for rivers floodplains with civil 3D or MapsOnline, StreamStats (Qcfs), Lidar portal (DTM).

**Senior Project Engineer**   **Apr 2019 – Feb 2021**

**Independent Consulting**

* Workremotely and received permits for several companies (timeframe above and previous years) including, but limited to Pettit Inc. Corona, CA; MDS Consultants Corona, CA and Irvine, CA; Shree Consultants LLP Orange, CA; PGA consultant Brea, CA; Aliquot Inc. Walnut Creek, CA and Oakland, CA; G&A Consulting Irvine, CA
* Designed sewer lines, water lines, street, grading, retaining wall calculations, and designed storm drain lines (including hydrology and hydraulics reports and calculations).
* Comprehensive and detailed plan check, including but not limited to street plan and profiles, subdivision design, grading, water, sewer, storm drain, hydrology and hydraulics, WQMP, BMP's, mapping check, and legal documents for multiple city agencies in Southern California.
* Projects include subdivision in Contra Costa County (hill grading, storm drain, sewer and sewer pump station, and water design), Winery in Alameda County (100 acres) –roadway, parking, gas stations, Menifee Business Center , walkways design, all grading in Civil 3D; storm drain and bio-retention basin
* Precise grading in Civil 3D for commercial projects , including gas stations (ARCO and others),

**Senior Project Engineer Jan 2019 – Apr 2019**

**The Alliance GroupEnterprise, Inc.** – Los Angeles, CA

* LAX (Los Angeles International Airport) added new surrounded area Improvements (storm drain, water, and sewer design, hydrology and hydraulics for airport and surrounding areas using Civil 3D Project Wise (LAX)
* Hands on LAX (Los Angeles International Airport) airways
* High-speed rail from Sacramento to Burbank project –working subcontract for SENEER.

**Senior Project Engineer** **Dec 2016 – Jan 2019**

**DMc Engineering – Irvine, CA**

* Daily design of street, water, sewer, storm drain and grading and hands on hydrology and hydraulics, retaining walls structural calculations for a wide variety of private projects ranging in size from mid to large residential and commercial projects.
* Extensive design experience includes all aspects of subdivision design including grading/earthwork design, street/road design for all surface improvements, and infrastructure utilities, water, sewer, and storm drain design.

**Senior Project Engineer** **Feb 2014 - Dec 2016**

**MDS Consulting – Irvine, CA Feb 2012 – Jun 2013, Jun 2005 – Feb 2008**

* Responsible for management of daily design team workload/progress of street design, water, sewer, storm drain, grading, hydrology and hydraulics, using Retain Pro 6.1-10 for retaining wall structural calculations for a wide variety of private sector projects ranging in size from mid to large, residential and commercial projects.
* Drainage design experience includes the handling of major drainage basins with regards to capacity, storage of detention basins, Rational Method using AES software, sizing catch basins and pipes, and using Water Surface Elevation software (WSPG 1or WSPG W) to determine the 100 yearHGL.
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**Civil Project Engineer**  **Sep 2013 – Feb 2014**

**SDE Engineering – Encinitas, CA**

* Subsurface Utility Engineering (SUE) to provide utility mapping and surveying to Sempra Energy/SDG&E's Pipeline Safety Enhancement Plan (PSEP).
* Designed gas lines
* Research for record drawing and fish microfilm for record drawings to establish professional plans to design the new gas, water, sewer, and storm drain lines, retaining wall, bridge footings, and channel footings for San Diego County.
* Street improvement design, precise grading and grading plans, water, sewer, and storm drain

**Project Manager**  **Jul 2008 – Jun 2012**

**Pettit, Inc. – Corona, CA**

* Daily management of residential and commercial developments in the Inland Empire
* Perform quality assessment/control of design team to ensure accuracy of plans on storm water management design, hydrology analyses, and hydrology report preparation, WQMP, SWPPP
* Prepared project plans, specification and estimates for a wide variety of civil improvements, including fiber optic communication infrastructure in downtown City of Riverside.
* Design streets, grading, storm drain and flood control systems, wet utilities and incorporate field information.
* Determination of hydrology and hydraulics conditions, including verifying impacts on existing and proposed drainage systems.
* Projects include both public and private sector clients in the development of Storm Water Management Plans, Best Management Practices (BMP), and NPDES permit (municipal, construction, and industrial compliance).

**Education**

* Master of Science in Residential and Industrial Civil Engineering (1987)
* Moscow Civil Engineering University

**Licenses**

* Professional Engineer – Russia(# 107484)
* Professional Engineer – Lebanon -Tripoli(# 1392)