

Resume

JUAN V. GARCIA, PE, CFM

5718 Wild Persimmon • Harlingen, TX 78552 •

EDUCATION

Texas A&M University, College Station, TX
Bachelor of Science in Civil Engineering 2005

REGISTRATION

Licensed Professional Engineer (3 States)
Texas P.E. License No. 111413
Florida P.E. License No. 78249
New Mexico P.E. License No. 23659

TECHNICAL CERTIFICATION

Certified Floodplain Manager, Certification No. 2447-13N

STATE APPOINTMENTS

Qualified Inspector, Texas Department of Insurance (TDI)

PROFESSIONAL EXPERIENCE

Over 12 years' experience in the Engineering Design and Consulting field as a Civil and Structural Engineer; Project Engineer for the construction of multi-million dollar facilities including water and wastewater treatment facilities, residential, commercial and industrial construction. In the public sector, Mr. Garcia designed and inspected various water and wastewater pipelines and lift stations, recommended concrete structural repairs to existing sewer structures, and reviewed and approved civil engineering development plans, traffic control plans and storm water pollution prevention plans. As an engineering consultant, Mr. Garcia managed multiple design and construction projects including water and wastewater pipe and lift station designs, water and wastewater treatment plant improvements and forensic analysis for storm related damage to commercial and residential structures for owners, contractors, attorneys, and insurance companies.

PROJECT EXPERIENCE & CONSTRUCTION EXPERIENCE

- Utilities Adjustment Projects – February 2007-July 2009-Managed Design and Construction several Texas Department of Transportation (TXDOT) related projects
- Subdivision/Civil Design – February 2007- 2012-Reviewed and approved all water and sewer civil engineering plans for development in the City of Brownsville.
- Asbestos Abatement Projects-February 2007- 2012-Coordinated and Managed abatement projects for Asbestos Cement (AC) pipe and structures.

- American Recovery and Reinvestment Act of 2009 – Managed 13 separate sanitary sewer overflow projects in the City of Brownsville, total grant \$46 million engineering and construction costs.
- Robindale WWTP Renovation and Rehabilitation Project – August 2012–April 2014-Managed design and construction inspections as Resident Engineer, total of \$43 million engineering and construction costs
- FM 511-802 Improvements Project-May 2103-June 2014-Managed the design and construction for multi-million dollar project, 3 phases.
- Water Treatment Plant No. 1. February 2013– Forebay Improvements. Forensic analysis utilizing Ground Penetrating Radar to determine leakage in the intake forebay structure for the water plant.
- Windstorm Certifications - Over 800 residential and commercial structures designed and inspected for qualification through the Texas Windstorm Insurance Association and Texas Department of Insurance. Responsibilities included structural design, inspection, and report writing.
- Foundation crack analysis and repair recommendations on numerous homes in Cameron and Hidalgo County.
- Insurance Work - Forensics engineer for both residential and commercial structures for hail, wind, water, and fire damage. Responsibilities included structural inspection, report writing, expert witness in litigation and mediation. Has practiced forensics in 3 different states-Texas, New Mexico, and Florida.

EXPERIENCE

CASA Engineering, L.L.C., Harlingen, Texas

July 2014 to present. Principal Engineer and Managing Partner for CASA Engineering, LLC (Civil and Structural Associates). Responsibilities include civil and structural engineering design for various residential and commercial projects including subdivisions, water and wastewater, retaining walls, foundation assessments and construction quality control and inspection for large commercial projects. Areas of specialization are civil engineering design, structural design for residential, and forensic analysis for storm related damages.

Juan V. Garcia, P.E., LLC, Harlingen, Texas

October 2013-Present. Consultant – Civil and Structural Engineering Design for Residential, Foundation Design and Assessments.

Ambiotec Civil Engineering Group, Brownsville, Texas

August 2012 to June 2014. Consultant – Civil Engineering Design and Inspection including Water, Sewer, and Storm Sewer Design, Drainage and Grading Design, Foundation Design, Traffic Control Design, Trench Safety Design, On-Site Sewage Facilities (OSSF) Design, Water Tank and Tower Construction-Inspection.

Brownsville Public Utilities Board, Brownsville, Texas

February 2007 to June 2012. Consultant – Civil Engineering Design and Inspection including Water, Sewer, and Storm Sewer Design, Drainage and Grading Design, Foundation Design, Traffic Control Design, Trench Safety Design, OSSF Design, Tank and Tower Construction-Inspection.

PROFESSIONAL AND BUSINESS AFFILIATIONS

American Society of Civil Engineers
Harlingen Lions Club
Serra Club of Brownsville (President 2014-2016)
St. Anthony's Church Choir

CONTINUING EDUCATION

Roadbond EN1 Soil Stabilizer, 2012
Reduction of the Shrink/Swell Potential of Expansive Soils, 2013
Surdex Corporation: Aerial Imagery Projects in South Texas, 2013
Construction Law, 2013
Corrugated Metal Pipe for Drainage Design, 2013
Aldana Traffic Engineering Workshop, 2013
Floodplain Management Review Workshop, 2013
Lower RGV 15th Annual Water Quality Management Planning Conference-2013
Water and Wastewater Treatment Plant Design 101, 2013
Shallow Foundation Design, Construction, and Repair, 2013
Lime Association Workshop, 2014
Fiberwrap Pipe Restoration Design Seminar, 2014
Wind and Hail Damage Case Studies, 2014
Stormwater Management and Rainwater Harvesting, 2014
Fair Housing Accessibility First Design and Construction, 2015
Structural Forensic Engineering, 2015
Underpinning and Strengthening of Foundations, 2016
Retaining Wall Design and Slope Stabilization, 2016
Forensics Engineering Conference, 2016
Civil Engineering Graduate Coursework, 2017
HEC-HMS Modeling, 2017

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