

## COMPANY PROFILE

CASA Engineering, LLC (Civil and Structural Associates) was established in 2005 and is led by David V. Day, P.E. and Juan V. (JV) Garcia, P.E., both of whom have extensive design and construction experiences as Professional Engineers. CASA Engineering is a HUB Certified multi-state wide provider of engineering services, including infrastructure plans for water and wastewater, storm drainage, road pavement, foundations, residential/commercial structures, and much more. CASA Engineering performs forensic investigations for wind, hail, fire, and flood damage, as well as foundation assessments for home and business owners.



PROUDLY SERVING  
THE STATE OF TEXAS,  
LOUISIANA, NEW MEXICO,  
OKLAHOMA AND FLORIDA



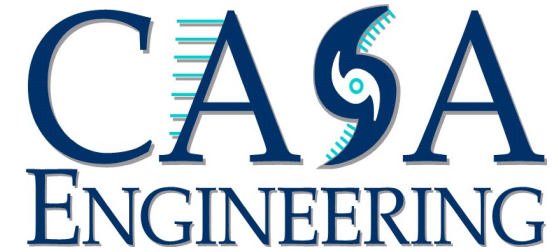
Subdivision design above includes sanitary sewer, water, and paving design. Project Engineer for this project is Francisco Medrano, Jr.



Wind damaged shingles at two story residence in McAllen, TX.



Fire assessment at residence in Harlingen, TX. (Photo By: David V. Day, PE)



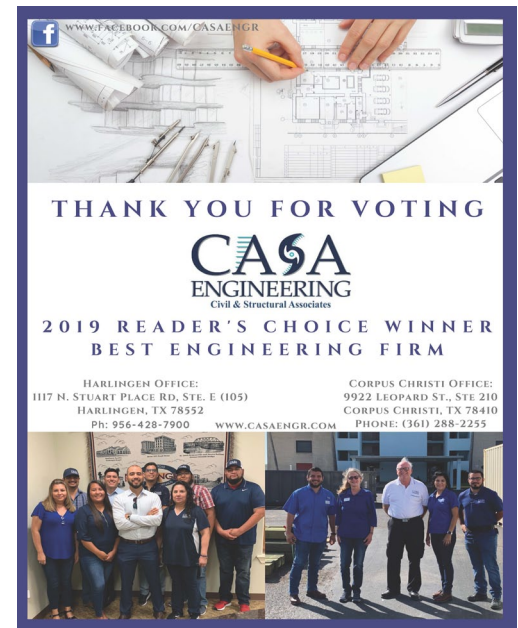
Providing  
Civil and Structural  
Engineering Services

CASA Engineering, LLC  
Civil and Structural Associates

1117 N. Stuart Place Rd. Suite E (105) Harlingen, TX 78552  
Ph: (956) 428-7900  
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[www.casaengr.com](http://www.casaengr.com)



Valley Morning Star  
"Best Engineering Firm for 2019"  
*Practical Engineering Solutions*



David V. Day, PE and Juan V. Garcia, PE make a presentation on the conditions of the city's drainage infrastructure at the San Benito Chamber of Commerce.

## Timelines & Budget Considerations

CASA Engineering's project management strategy is ready and prepared to deliver projects on time.

Through a design review process we insure the quality of our work and project budgets are met. At the beginning of each project, a meeting is held to analyze the project scope and break it down into tasks. The project scope and schedule is reviewed with the client to insure agreement on all critical aspects of the project, such as budgets, staffing, and schedule for completion.

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## Project Management Strategy

The project manager assigns and provides easily identifiable accountability task functions to lead designers, and weekly meetings are held every Monday with all team members to evaluate project progress. A design review team is assigned to evaluate projects and provide QA/QC for plans. Keeping up with project progress assures that budgets are aligned with the percent of project completion. If unexpected project changes are encountered or priorities are modified, CASA Engineering has the flexibility to change existing staff Priorities, such as allocating overtime.

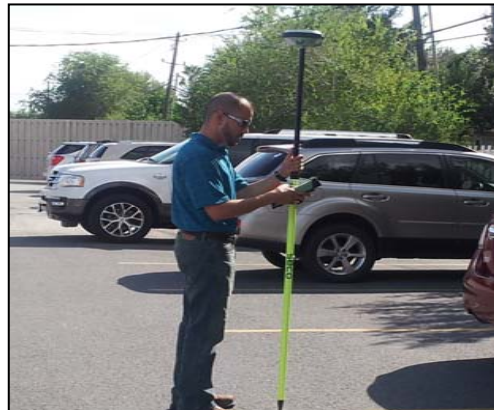
## Civil and Structural Engineering Services General Design for Commercial and Residential

### CIVIL

- Paving and Grading
- Drainage Studies
- Storm Sewer
- Water/Wastewater
- Master Planning
- OSSF (Septic System) and Soil Analysis
- Topographic Services
- Subdivisions
- Feasibility Studies

### STRUCTURAL

- **Windstorm Design and Certifications (WPI-8 process through TDI/TWIA)**
- Residential and Commercial Design
- Foundation Assessments
- Forensics (Wind/Hail/Fire/Flooding)



Topographic survey of existing asphalt conditions, performed by Juan V. Garcia, PE

## David V. Day, PE, CWI

David Day has over 39 years of experience in Civil and Structural Engineering in the private sector as an Engineer. David has overseen the construction of multi-million dollar facilities including power plants, water and wastewater treatment facilities, commercial and industrial construction. As a Certified Welding Inspector (CWI), he has written quality control procedures, welding procedures, and performed numerous field inspections. As an engineering consultant, David specialized in geotechnical, foundation, and structural engineering for residential and commercial construction. David has an extensive background in structural forensic inspections and has served as an expert witness on numerous occasions. David recently authored "Defying the Odds", a true story of his battle in exposing the incompetence and corruption within the Texas Department of Insurance, one of the most powerful state agencies in Texas. Mr. David V. Day is a licensed Professional Engineer in Texas and Louisiana, and a Certified Welding Inspector in Texas. He holds a Bachelor of Science in Construction from Louisiana State University in Baton Rouge, Louisiana.

## Juan V. Garcia, PE, CFM

JV Garcia has over 12 years of experience in Civil and Structural Engineering in the public and private sectors as an Engineer. JV has managed multi-million dollar projects for water and wastewater infrastructure, including a \$46 million grant funded by the American Recovery and Reinvestment Act of 2009 while employed at Brownsville Public Utilities Board (BPUB). As a consultant, he designed water and sanitary sewer systems, grading and storm water drainage systems, and street and parking lot designs. He has provided quality control and assurance for water and waste water treatment plant renovations, inspecting structural concrete and ensuring compliance with applicable testing standards. He has also been a structural designer for numerous residential and commercial projects. Mr. Juan V. Garcia is a licensed Professional Engineer in the State of Texas, New Mexico, and Florida, and a Certified Floodplain Manager (CFM) in the State of Texas. He graduated from Texas A&M University in 2005 with a Bachelor of Science in Civil Engineering.