

Jose Chavez

Objective

To obtain a challenging position within the engineering industry that would provide an opportunity to use skills and abilities gained through employment and education.

Education

Bakersfield College

2013-2016

B.S. in Civil Engineering, expected in 2019

Chevron Energy Academy

Summer 2015

- Renewable Energy

Hobbies

Sketching, building houses projects using crafts

Leadership Development

- Historian
- Senator
- ICC Rep
- Department Supervisor of Front Suspension

Skills

Computer: AutoCAD, Solid Works, Microsoft Office, C++ Programing

Language: Spanish; Speak, Read, and Translate Fluently

Work Experience Skills

USDA/NRCS Civil Engr. Internship, Bakersfield, CA

Jun. 2015 to Aug. 2015

- Worked on a total of 21 engineering projects at various design stages.
- Drafted design drawings and construction drawings using AutoCAD Civil 3D for 13 projects.
- Performed hydraulic calculations for pipeline design and pump sizing for 7 projects.
- Surveyed approximately 22 miles of proposed pipeline projects using Trimble survey grade GPS independently.
- Performed hydrology calculations using the curve number method to determine flow in an ungagged stream.
- Used HEC-River Analysis System (HEC-RAS) to model flow and the resultant water levels to determine the potential flooding at a proposed well site.
- Used elevation data collected from a Trimble survey grade GPS to create a 3D surface in AutoCAD in order to create a cut and fill map for a land leveling project.
- Assisted on 480 acres of irrigation system evaluations to determine the distribution uniformity.
- Reviewed a micro irrigation system design to ensure it met agency design standards.
- Wrote four design reports for engineering projects.
- Prepared construction documentation such as drawings, specifications, project requirements for 19 projects
- Lead a preconstruction meeting for a livestock watering pipeline and solar pump project.
- Inspected two projects in the field during construction and at final phase to ensure projects met agency standards and specifications.
- Automated data input for buried pipeline structural calculations using formulas in an Excel spreadsheet.
- Trained three volunteers on Trimble survey equipment setup.
- Assisted in created a geodatabase using ESRI's ArcGIS for hydrology data collection.
- Performed site visits to discuss proposed project location and challenges with the client one on one.
- Acted as office engineer, in the absence of the full time engineer.
- Created instruction guide for the use of Trimble equipment.