Ethan Moreno-Vasquez

Engineer in Training | Civil Engineering Intern

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PROFESSIONAL SUMMARY

Civil engineer-in-training with two years of land development design at a regional consulting firm. Prepares grading, drainage and utility plans in Civil 3D, runs stormwater calculations and supports permit submittals to city and county reviewers. Passed the FE Civil exam and working toward a Texas PE license.

EXPERIENCE & PROJECTS

Balcones Land Engineering · Austin, TX **Jun 2024 — Present**

Engineer in Training

- Prepare grading, drainage and water and wastewater plans in Civil 3D for 12 commercial and residential site projects under the review of a licensed PE.
- Size detention ponds and storm sewer systems using city drainage criteria, documenting calculations in reports that passed review with minor comments.
- Respond to city review comments and resubmit plan sets, helping two projects receive site permits ahead of the client's construction schedule.
- Complete quantity takeoffs and engineer's cost estimates used by clients to budget site work and compare contractor bids.

Hill Country County Public Works · San Marcos, TX **May 2023 — Aug 2023**

Civil Engineering Intern

- Inspected culverts and roadside ditches after spring storms and logged conditions in ArcGIS for the maintenance crew's repair list.
- Drafted plan and profile sheets for a rural road resurfacing project and checked quantities against the bid tabulation.

Senior design: Mixed-use site development

- Led the stormwater design for a team proposal, sizing a detention pond and storm sewer and presenting it to a panel of practicing engineers.

EDUCATION

BS, Civil Engineering **2024**

Central Texas State University

SKILLS

Technical: AutoCAD Civil 3D, Grading design, Stormwater design, HEC-RAS, Hydraflow, Utility layout, Erosion control plans, Quantity takeoffs, Permit submittals, Bluebeam, ArcGIS, Excel

Certifications: Engineer in Training (EIT), Texas