

Clara Lynch

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SUMMARY

Results-oriented civil engineer with over 6 years of experience in civil site development, grading design, and hydrology modeling for renewable energy projects, particularly in solar and energy storage systems. Proven ability to lead complex projects from design through execution while ensuring compliance with regulatory standards. Skilled in mentoring junior engineers and collaborating with multidisciplinary teams to achieve project goals efficiently. Dedicated to driving process improvements and maintaining high standards of technical excellence in all deliverables.

EXPERIENCE

Senior Civil Engineer

January 2020 - Present

Green Energy Solutions

Dallas, TX

Directed engineering practices within complex utility-scale solar projects, leading a talented team of engineers focused on sustainable design and regulatory adherence.

- Lead civil engineering design and site development for utility-scale solar projects, ensuring adherence to safety and environmental regulations.
- Manage a team of engineers conducting hydrology modeling and stormwater management, resulting in enhanced project efficiency and compliance.
- Collaborate with cross-functional teams including EPC and environmental consultants to optimize project timelines and deliverables.
- Conduct site visits to evaluate conditions, validate engineering assumptions, and troubleshoot potential issues, enhancing project outcomes.
- Spearhead stormwater permitting applications, significantly reducing approval timelines through effective communication with regulatory agencies.
- Implement quality assurance processes for engineering deliverables, ensuring accuracy and functionality in project execution.

Civil Engineer

June 2016 - December 2019

Renewable Infrastructure Corp

Fort Worth, TX

Contributed to water infrastructure advancements through innovative civil engineering techniques and continuous professional development.

- Designed and executed grading plans and stormwater management systems for various infrastructure projects, contributing to improved site sustainability.
- Conducted geotechnical assessments and floodplain studies, providing critical data for project planning and execution.
- Assisted in preparing civil engineering documentation for permitting processes, ensuring compliance with local and state regulations.
- Enhanced team collaboration by implementing streamlined communication protocols, resulting in improved project delivery.
- Participated in industry workshops and training, continuously updating technical knowledge and skills.
- Contributed to developing best practices in civil engineering design and site management.

LEADERSHIP & AWARDS

- Achieved recognition as 'Employee of the Month' for exceptional contributions to project delivery at Green Energy Solutions.
- Awarded 'Excellence in Engineering' for leading successful and compliant stormwater management initiatives.

EDUCATION

Bachelor's Degree in Civil Engineering

2016

University of Texas at Austin GPA: 3.5

Austin, TX

Coursework: Structural Analysis, Geotechnical Engineering, Environmental Engineering, Fluid Mechanics

CERTIFICATIONS

- Professional Engineer (PE) 📅 2021
- Stormwater Management Certification 📅 2020

TECHNICAL SKILLS

- **Design Software:** AutoCAD Civil 3D, HydroCAD, HEC-RAS
- **Modeling Tools:** GIS, EPA SWMM, FLO-2D
- **Simulation Software:** SPSS, MATLAB, R
- **Compliance Regulations:** NPDES, SWPPP, AZDEQ

- **Engineering Practices:** QA/QC, Site Assessments, Risk Management
- **Project Management Tools:** Microsoft Project, Trello, JIRA
- **Communication Platforms:** Slack, Microsoft Teams, Zoom
- **Surveying Equipment:** Total Station, GPS Surveying, Leveling Instruments
- **Field Measurement Tools:** Handheld Anemometer, Soil Moisture Meter, Water Quality Tester
- **Environmental Systems:** LEED Standards, Sustainability Metrics, EcoCertifications

SKILLS

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|----------------------------------|-----------------------------|----------------------|-----------------------|
| • Civil Engineering Design | • Project Management | • Stormwater Systems | • Permit Applications |
| • Grading and Hydrology Modeling | • Site Development | • Leadership Skills | • Floodplain Studies |
| • Regulatory Compliance | • Geotechnical Assessments | • Erosion Control | • Team Collaboration |
| • AutoCAD Civil 3D | • Environmental Regulations | • Drainage Design | |

PROFESSIONAL AFFILIATIONS

- Member of American Society of Civil Engineers (ASCE), actively participating in networking and educational events.
- Active participant in local community service projects, focusing on sustainability and environmental awareness.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST