

Katherine Elizabeth Fath, P.E., LEED GA

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Experience

10/14 - present

Exp. Federal

Chicago, Illinois

Consulting Architectural & Engineering Services Firm

Project Manager - Multi-disciplinary Federal Projects

- Leads integrated team to complete large scale projects throughout the U.S. and World
- Projects include military base infrastructure – airport, warehouses, data centers, hospitals
- Client Manager, determines and oversees project budgets and schedules
- Designs and coordinates civil engineering projects – site development, roads, utilities
- Prepares project drawings, calculations, specifications, proposals and cost estimating
- Prepares value engineering and code compliance studies
- Performs construction management including responding to RFIs, site visits, submittals

03/13 – 09/14

IRM Systems

Delft, The Netherlands

Oil & Gas Consulting Firm – on & offshore pipelines

Project Engineer – Pipeline Risk Management & Repair

- Emergency Pipeline Repair System (EPRS) Development for Onshore and Offshore Pipelines: Responsible for risk and repair analysis, repair procedures, planning, repair hardware and equipment selection and specifications for Shell projects upwards of \$35M (CAPEX)
- Tendering support: Scoping studies, due diligence, cost-estimation, statements of work and procurement advice; market research and vendor sourcing; contracting
- Held workshops on EPRS Development for Shell in Manila, Philippines & Chevron in Perth, Australia

03/09 - 12/12

Professional Engineering Consultants Corporation

Baton Rouge, Louisiana

Consulting Civil Engineering Firm – infrastructure, planning and design

Project Engineer - Public Works

- Served multiple municipalities and aided City Councils on public work planning and management
- Designed and implemented new 10 MGD activated sludge regional wastewater treatment facility- process design, performing plant hydraulic calculations, selecting equipment with client, involved in plant layout, process piping and civil site work
- Designed, bid and awarded, and oversaw construction of new and upgrades to collection systems, force mains and pump stations
- Designed, bid and awarded and oversaw construction of new water wells with vertical turbine pumps and associated valves and piping; extensions and relocations of existing water distribution systems
- Site development and drainage studies for parks, schools, state buildings and public facilities, incorporated LEED
- Implemented asphalt overlay, concrete road, sidewalk and curb replacement and rehabilitation programs

6/07 - 3/09

Kimley-Horn & Associates, Inc.

Houston, Texas

Design Consulting Firm

Design Engineer - Site Development

- Prepared construction plans and contract documents for commercial, retail and multi-family projects for various jurisdictional agencies in site improvements upward of \$7M
- Designed underground utilities, storm sewers, detention facilities and paving for development projects within Houston and surrounding municipalities
- Developed site planning for one acre pad sites and assisted in site planning for large retail centers
- Redesigned existing developments to meet American Disability Acts and local code standards
- Performed due diligence on established and vacant properties to determine feasibility for future development
- Responsible for project permitting, research of franchise utility locations and water/sewer capacity

Education

Northwestern University

Evanston, Illinois

Master of Engineering Management Candidate

May 2007

Vanderbilt University

Nashville, Tennessee

Bachelor of Engineering in Civil Engineering, GPA 3.5

Professional

SAME, ASCE, SWE

Computer Skills

Excellent knowledge of Microsoft Office & AutoCad; Fair knowledge of Microsoft Project & Matlab