

# Lost Coast Land Surveying

4622 Kincaid Court, P.O. Box 5413, Eureka, CA 95501

(707) 798-1624

Stephen K. Drake, PLS, CFedS, Owner

Mary J. Drake, Field Survey, Owner

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## Introduction:

Stephen and Mary have been working together as a Survey team since 1999. As a field and office survey team at various large to mid-sized engineering firms and as sole proprietors founding Azule Land Surveying in Arizona in 2009 which operated mainly in Northern Arizona and Alaska. This evolved into the recently founded Lost Coast Land Surveying here in Northern California successfully completing large and small surveying projects since May 2017. We use the most up to date methods and technology including (but not restricted to) GPS, Robotic Total Station, LIDAR scanning, Aerial Mapping, CAD Mapping, Field-to-Finish methods, Research tools, and Quality Control. Stephen has been a Surveyor since 1977 and is licensed as a Land Surveyor in three State jurisdictions also being a Certified Federal Surveyor.

## Stephen K. Drake, PLS, CFedS

### Education:

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| <b>1977</b>      | <b>U.S. Army Fort Sill ,OK</b><br>Diploma - Artillery Surveyor  |
| <b>1982-1984</b> | <b>Tomlinson College, Cleveland, TN</b><br>Associate Arts – Biblical Studies (Honors)   |
| <b>1986-1987</b> | <b>Palm Beach College, Lake Worth, FL</b><br>Coursework – Land Surveying (Legal Aspects, Descriptions, Subdivisions, etc.)                        |
| <b>1988-1989</b> | <b>Eastern Michigan University, Ypsilanti, MI</b><br>Coursework – Planning (Earth Science, Economics, etc.)                                       |
| <b>2008</b>      | <b>Certified Federal Surveyor Training, Phoenix, AZ</b><br>2009 BLM Certification – Land Surveying (Legal Aspects, Federal Laws, Cadastral, etc.) |
| <b>1977-2019</b> | <b>Continuing Education - Various</b><br>Coursework – Accomplished over 7500 PDH's, 96 college credits, and 26 CE credits.                        |

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## Work History & Skills:

**1977-Present: Land Surveying Professional:** Started in U.S. Army with a nuclear ballistic missile unit using geodetic methods for precise location of launch sites. Following military service as a civilian working for multiple engineering, surveying, and construction companies in support of boundary, title, right-of-way, design, topographic, and construction projects. This includes highway, bridge, buildings, infrastructure, drainage, utilities, aviation, and subdivision work.

- Construction Staking
- CAD Drafting / Surface modeling
- As-built documents
- Route and Right-of-Way
- Control / GPS post processing
- Design / Topo Field to Finish
- Quality Control Management
- Boundary / Cadastral
- Slope staking / Cut-sheets
- Earthwork / Quantity calculations
- Water Boundaries / Hydrographic
- Legal Descriptions / Records Research

## Credentials:

California Professional Land Surveyor License #9244, 2015

Montana Professional Land Surveyor License #23627, 2012

BLM Certified Federal Surveyor Certificate #1212, 2009

Arizona Registered Professional Land Surveyor License #46472, 2007

## Project Experience:

2017 -2019 - FHWA/State Route 36 (CA FLAP SR36), slope staking, culvert placement surveys, land slide cross-sections (on-going), Dinsmore, CA

2016 – San Carlos Apache Housing Authority, Rising Sun & Tulapai Subdivision Surveys, Bylas, AZ

2016 - BNSF Railroad Right-of-Way survey, for intersection design, Valentine, AZ

2015 - Karuk Tribe Housing Authority, Yreka Housing Subdivision ALTA Survey, Happy Camp, CA

2015 - Humboldt County Resource Conservation District, Salt River reconstruction staking, Ferndale, CA

2014 - Colorado River Indian Reservation, BIA Route 10 extension, construction staking, Parker, AZ

2013 - Alaska D.O.T., Chiniak Hwy MP 23.7 realignment, construction staking, Kodiak, AK

2012 - Fort Peck Tribe/Seattle Transload, Railroad Yard reconstruction, design survey, Poplar, MT

2011 - FHWA/Denali National Park, Culvert replacement project, Healy, AK

2011 - Alaska D.O.T., Nome street reconstruction, construction staking, Nome, AK

2010 - Hualapai Tribe, Cholla Canyon Ranch Fee to Trust Boundary survey, Wikieup, AZ

2008 - Sky Harbor Airport Authority, Runway wear inspection surveys, Phoenix, AZ

2007 - Hualapai Tribe, Buck & Doe Subdivision, Topo & Boundary survey, Peach Springs, AZ

2008 – 2011 – Salt River Project (SRP), Survey manager for on-call ground survey services, Phoenix, AZ

2008 – 2011 – Marine Corp Air Station (MCAS) Survey support IDIQ engineering on-call, Yuma, AZ

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