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## The Hidden Dangers of Abandoned Utilities

Live Webinar October 30, 2019 • 1:00 PM - 2:30 PM ET

Subsurface construction is often fraught with danger and uncertainty, minimize the impact on your construction project.

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*“I thought the information presented was done very well and helped me to understand more about the topic. The Live Webinar was very convenient and allowed me to participate right from my office. It was wonderful!” —Tiffany Evans*

*“I enjoyed the speaker and appreciated the hands-on reference material. The use of specific examples made things very clear.” —Joan Varel*

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Since 1987 Lorman has been a leading resource for compliance based media, education and content for more than 1.4 million customers. Our passion is providing you world-class training to help you succeed in business and as a professional.

As consultants and engineers, we work to minimize that uncertainty and engineer solutions to make construction safer. However, in many cases, it is the unknown presence of abandoned utilities that can pose both a danger to workers and adversely affect the project schedule and costs. This topic helps the persons responsible for planning and designing construction to avoid or minimize the potential effect of abandoned utilities before starting construction and develop plans to address them during construction. The content will explain procedures that consultants and engineers can implement during planning stages and pre-design investigations to identify potential abandoned utilities. Identifying the utilities and establishing procedures for addressing them during construction during the design phase is a critical factor in preventing construction delays and potentially fatal accidents. This topic is critical for consultants and engineers so they can ensure their employees' safety and minimize the impact of unknown utilities and subsurface structures on construction.

### Learning Objectives

After attending this live webinar, you will be able to:

- describe methods for proper abandonment of utilities.
- discuss options for anticipating abandoned utilities and preventing adverse effects on construction.
- identify the type of abandoned utility encountered.
- recognize potential hazards from abandoned utilities.

### Continuing Education Credit

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## Agenda

### Before You Dig

- Utility Clearance Requirements and Procedures
- Historic Document Reviews
- Geophysical Surveys, Hand Clearing, Soft Digging Options

### While You Dig

- Abandoned Utility Identification
- Methods of Abandonment
- Job Planning for Abandoned Utilities

### Practical Examples of Abandoned Utilities

- Improperly Abandoned Utility Lines
- Historic UST/LUSTs and Structures
- Historic Industrial Process Piping

## Faculty

### Matthew J. O'Neil, P.E.

- Senior engineer in the office of GEI Consultants, Inc.
- Conducts regular internal seminars and workshops on numerous environmental and construction practices within GEI
- Wrote several publications related to the areas of environmental engineering and groundwater treatment
- Can be contacted at 401-533-5152 or [moneil@geiconsultants.com](mailto:moneil@geiconsultants.com)

### Gary A. Rozmus, P.E.

- Senior consultant at GEI Consultants, Inc.
- Directing Brownfield redevelopment, freight and transit projects and real estate acquisition and development of environmental services including site assessment, remediation, facility decommissioning and closure, risk-based closure, environmental permitting and compliance, natural resources assessments, and environmental construction management
- More than 40 years of experience in environmental consulting
- Can be contacted at 631-479-3510 or [grozmus@geiconsultants.com](mailto:grozmus@geiconsultants.com)

For a complete list of accomplishments, visit [www.lorman.com/ID406943](http://www.lorman.com/ID406943).

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