



The Art and Science of Pipe Locating and Leak Detection

MWWA Course Seminar (Course ID # MWWA 10-009)

Locating water mains and finding leaks can be time consuming, expensive and sometimes dangerous. Those well-versed in this skill agree that being good is as much of an art as it is a science. Understanding all of the various types of equipment and their limitations is an important first step in becoming proficient at this critical task that many water operators must perform.

Learning Objectives:

- To understand the theory of pipe locating and leak detection.
- To become familiar with the various types of pipe locating and leak detection equipment currently on the market.
- To learn the advantages and limitations of the various types of equipment.
- To discuss the tips and techniques necessary to become a better pipe and leak locator.

Attendees completing this seminar will be awarded **3.0 TCHs** (Training Contact Hours).

LOCATION: Williamstown Town Hall – Selectboard Room, 1st Floor
31 North Street
Williamstown, MA 01267

DATE: **Wednesday, October 16, 2019**

TIME: **8:30 a.m. – 12:15 p.m.**

INSTRUCTOR: Warren Verga, President, 360 Utility Solutions
Eric Denslow, Eastcom Associates

AGENDA: 8:30. – 8:45 AM	Registration & Introductions
8:45 – 9:45 AM	Pipe Locating Theory and Operation
9:45 – 10:15 AM	Non-Metallic Pipe Issues and Options
10:15 – 10:30 AM	Break
10:30 – 11:30 AM	Leak Detection: Economics, Surveys, Loggers, Correlators and Pinpointing
11:30 AM – 12:00 PM	New Technologies, GIS, Mapping
12:00 – 12:15 PM	Conclusions & Course Evaluations

ATTENDANCE POLICY: Participants must attend 90% of the program and complete a session evaluation form to be eligible for TCHs.

**PLEASE COMPLETE AND MAIL/FAX THE REGISTRATION FORM
ON THE BACK OF THIS NOTICE OR REGISTER ON-LINE AT
WWW.MASSWATERWORKS.ORG**

DIRECTIONS TO WILLIAMSTOWN TOWN HALL
31 NORTH STREET, WILLIAMSTOWN, MA

Class will be held in the Select Board Room – 1st Floor.

Please park in the lower lot of the Williams Inn and use the rear entrance of the Town Hall

From Boston/ Mass Pike and points east (Directions are to the Williams Inn):

Follow Route 2 West all the way to Williamstown. The Williams Inn is on the right of the Village Green at northerly junction of Routes 7 and 2.

-or-

Take the Massachusetts Turnpike West (I- 90) to Exit 2, (Lee/Lenox). Follow Route 20 West to Route 7 North. Continue on Route 7 North through Pittsfield, Lanesboro, New Ashford and into Williamstown. The Williams Inn is on the left of the Village Green at northerly junction of Routes 7 and 2.

-or-

Take the Massachusetts Turnpike West (I-90) to (I-91) North and (I-91) North to Route 2 West. Route 2 West to Williamstown. As you follow Route 2 through Williamstown the Williams Inn is on the right of the Village Green at northerly junction of Routes 7 and 2

Massachusetts Water Works Association

The Art and Science of Pipe Locating and Leak Detection
Wednesday, October 16, 2019 – Williamstown, MA
Course ID # MWWA 15-002
REGISTRATION FORM

Name: _____

Company: _____

Business Address: _____

Phone No.: _____ Email: _____

Fax No.: _____ MWWA Membership Number: _____

Pre-registration is required. Register on-line at www.masswaterworks.org.

You will receive an invoice via email, then mail check payable to **Mass Water Works Association** by **October 7th, 2019**. Or fill out form and fax to: (978) 263-1376 or mail.

Mail to: MWWA
P.O. Box 1064
Acton, MA 01720 (*Note: TCHs will not be issued until full payment is received)

Payment: \$75.00 (MWWA member) \$135.00 (Non-member)

If you need an invoice sent somewhere else besides email provided above, enter instructions here: _____

Check here if you have a disability that requires accommodations to participate.
MWWA will contact you.

I am not currently a member of MWWA and would like to receive membership information.