



# Principles of Underground Pipeline Locating

Utility Technologies International Training Facility Groveport Ohio

August 21, 2024

1. Introduction – 8:00 – 8:15
2. Locating Safety – 8:15 – 8:30
  - a. PPE
  - b. Vehicle Location
  - c. Customers
  - d. Dogs
  - e. Insects
3. Purpose of Locating – 8:30 – 8:50
  - a. History
  - b. Memory to Technology
  - c. Operator Requirements
  - d. Goal - Damage free
4. Training and Qualification – 8:50 – 9:00
  - a. Classroom
  - b. Field
5. Map Reading – 9:00 – 9:15
  - a. Verification of Location
  - b. Understanding Map Symbols
6. Break – 9:15 – 9:30
7. Equipment – 9:30 – 10:00
  - a. Inspection
  - b. Locator Operation
8. Locate Methods – 10:00 – 10:30
  - a. Conductive
  - b. Inductive
  - c. Plastic Pipe
    - i. Tracer Wire
  - d. Steel Pipe
  - e. Alternative Locating Methods
9. Break – 10:30 – 10:45

10. Ohio 811 Tickets – 10:45 – 11:00
11. Ohio 811 Laws – 11:00 – 11:30
  - a. Universal Marking Standards
  - b. Excavation Marking
  - c. Completion of Ticket
  - d. Additional Time
  - e. Other Utility Lines and Gas Operators
12. Lunch – 11:30 – 12:30
13. Hands-On Field Training – 12:30 – 2:00
14. Break – 2:00-2:10
15. Hands-On Field Training – 2:10 – 3:15
16. Wrap-up – 3:15 – 3:30