

# A path forward.

## Overcoming Challenges in Buried Environments

For underground water and wastewater systems, accuracy is critical when identifying the precise location of the pipes and the underground network. Incorrect identification could lead to excavation challenges and disruptions. To address this, you need a fast, easy and reliable locating and marking system. That's where 3M™ Locating and Marking System solutions come in.

### 3M™ Electronic Marking System (EMS) Warning Tape 7900 Series

- Fast to locate with no need for access points
- Continues to provide an accurate location even if there is damage
- Three water-specific locatable radio frequency markers available to differentiate water
- Does not require metallic continuity for locating
- High visibility caution tape, available in extreme tensile (XT) as an early warning to excavators
- Signal continuity is provided by the 3M™ EMS Point Markers embedded in the tape every eight feet



### 3M™ EMS Point Markers

- Offers precise marking of buried points like valves, branches, service stubs, etc.
- Passive antenna operates in most soil types—wet or dry
- Simplifies marking and locating for retrofitted assets such as valves or repairs
- 3M™ Extended Range Ball Markers have self-leveling design for easy horizontal positioning



### 3M™ Dynatel™ Locator 2500X and 7000X Series

- Locates 3M™ EMS Point Markers
- Reads, writes and locates 3M iD Markers
- Integrated GPS and Bluetooth® communications
- Large, backlit, high-resolution graphic display
- Features a rechargeable battery for transmitters and receivers
- Use 3M™ Dynatel™ Locator 7000X Series to locate 3M™ EMS Warning Tape 7900 Series





## A complete solution from 3M for locating, marking and mapping your underground network:

- ✓ Buried valves
- ✓ Clean-outs
- ✓ Plastic pipeline
- ✓ Road crossings
- ✓ Pipeline paths
- ✓ Branches
- ✓ Service stubs
- ✓ Bends
- ✓ Repairs

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