



## GEOTHERMAL UNDERGROUND DETECTABLE TAPE

### MODEL SPECIFICATION FOR DETECTABLE UNDERGROUND MARKING TAPE

Detectable underground marking tape will be installed over the majority of Geothermal lines. The detectable tape will bear the printed identification of the geothermal line below it, such as “Caution Geothermal Pipe Buried Below.”

The tape will be permanently printed. Surface printing will not be acceptable. Detectable marking tape shall have a minimum thickness of 5 mils with no less than .00035 aluminum foil thickness.

The detectable marking tape will be reverse printed, diagonally striped with the designated color-coding of the geothermal line, laminated to aluminum foil, laminated to polyethylene.

The aluminum foil provides maximum color contrast and visibility in all types and colors of soil. Solid colored tape will not be acceptable. The color-coding will be as per American Public Works Association designation.



## GEOTHERMAL UNDERGROUND DETECTABLE TAPE

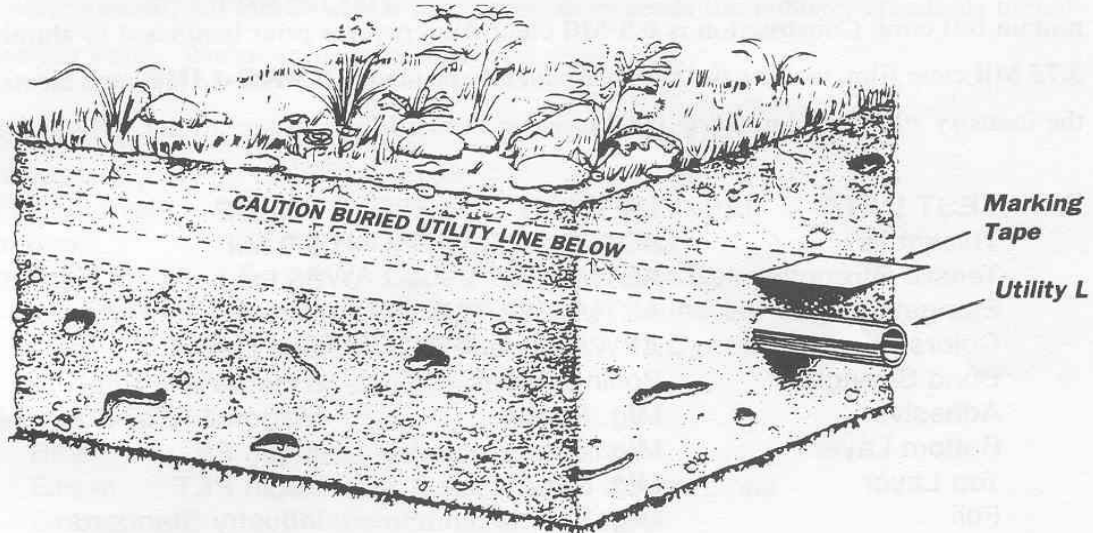
The goals of a properly designed and installed detectable underground marking system are:

- I. A reduction in insurance rates to a point where the cost of the detectable tape and its proper placement over the utility line will be more than paid for by the reduction.
- II. Reduction of the expense of underground utility line location personnel and machinery. The location of the detectable underground utility line marking tape, along with accurate locating blue prints, is all that will be required to locate the underground utility line.
- III. A uniform product designation and specification and a uniform procedure for identifying, locating, protecting, and detecting all underground utility lines. Utility lines that are not presently marked can easily and inexpensively be marked by the installation of a shallow buried detectable tape over the existing line with the use of a tape plow attached to cable installing machines presently on the market.
- IV. Maintaining utility lines of all types with a properly designed and installed detectable underground marking tape system is a future investment and serves the interest of the owners of the utility company, public or private, or the tax payer, in the case of municipal or government owned utilities through significant reduction in insurance, damage, maintenance and location costs. The safety factors involved in marking utility lines are obvious.

The design of the underground detectable marking tape is as important to its proper function as its critical depth placement over the underground installation to be identified, located, protected and detected.

# GEO THERMAL UNDERGROUND DETECTABLE TAPE

**“THE DEEPER YOU BURY YOUR MARKING TAPE,  
 THE WIDER THE TAPE SHOULD BE!”**



TAPE SHOULD BE PLACED 4” - 6” BELOW GROUND SURFACE.

MAXIMUM DISTANCE BETWEEN TAPE AND LINE PROVIDES GREATEST PROTECTION.

FIRST SHOVELFUL OUT PROVIDES A VISUAL WARNING.

DETECTABLE TAPE PROVIDES AN AUDIO SIGNAL AS WELL.

THE TAPE CAN BE CUT AND STILL WILL PROVIDE MAXIMUM PROTECTION.

- Color Coded as per A.P.W.A. Designation
- Easily Detected with Non-Ferrous Type Metal Locator
  - Long Life, Low Cost & Effective Performance
- Augments the “CALL BEFORE YOU DIG” Systems & May Reduce Liability Exposure



**DETECT**

Easy to detect with simple metal locator



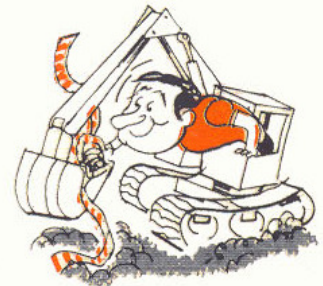
**LOCATE**

Just dig down 4” to 6”



**IDENTIFY**

APWA Color coding & Printed verbage for easy line identification



**PROTECT**

Protects with stop sign effect. Tape is immediately uncovered by excavating equipment or hand digging.