

SECTION 02558 - IDENTIFICATION/LOCATION TAPE AND WIRE

PART 1 - GENERAL

1.1 SCOPE

- A. Furnish and install identification and warning tape over the centerline of all buried metallic and non-metallic piping. See Figure W-1 for detail.
- B. Furnish and install location wire for all buried non-metallic piping. See Figure W-1 for detail.

PART 2 - PRODUCTS

2.1 IDENTIFICATION TAPE

- A. Identification/Location Tape
 - 1. Identification/location tape shall be manufactured of inert polyethylene so as to be highly resistant to alkalis, acids and other destructive agents found in soil, and shall have a minimum thickness of four mils. Tape width shall be a minimum of three inches and a maximum of six inches and shall have background color specified below, imprinted with black letters. Imprint shall be as specified below and shall repeat itself a minimum of once every two feet for entire length of tape.
 - 2. Warning tape shall be as described above except no solid foil is required.

- B. Tape background colors and imprints shall be as follows:

<u>Imprint</u>	<u>Background Color</u>
“Caution – Water Line Buried Below”	Blue
“Caution – Sanitary Force Main Buried Below”	Green

- C. Identification tape shall be as follows:
 - 1. For PVC Water Pipe: Terra Tape Sentry Line or approved equal.
 - 2. For PVC Sanitary Force Main Pipe: Terre Tape Sentry Line or approved equal.
- D. Products above are as manufactured by Reef Industries, Inc., Houston, Texas or equivalent manufacture.

2.2 LOCATOR WIRE

Locator wire shall be #10 solid copper wire.

PART 3 - EXECUTION

3.1 INSTALLATION OF IDENTIFICATION TAPE

- A. Identification tape shall be installed over all buried piping in accordance with the manufacture's installation instructions and as specified herein.
- B. Identification tape shall be installed one foot over centerline of pipe unless otherwise noted on plans.
- C. Warning tape shall be installed two feet below final grade over centerline of pipe.

3.2 INSTALLATION OF LOCATOR WIRE FOR NON-METALLIC PIPE

- A. For water mains, locator wire shall be installed along the top and taped to the pipe. The wire shall be extended from valves to valves and valve to hydrants. Install the wire in each valve box and extend to cap. When terminating at hydrants, extend wire 6 inches above grade against hydrant.
- B. For sanitary force main, locator wire shall be installed along the top and taped to the pipe. Access points for the locator wire shall be placed every 400 feet. Access points shall be 4-inch diameter PVC with threaded metallic caps painted green. Pipe shall be flush with grade. Wire shall be pulled to within 6-inches of the top of the pipe.
- C. For open-cut (trench) installations, one locator wire should be used. For trenchless installations (jack and bore or directional drilling) two locator wires should be used.

END OF SECTION 02558