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| ① | PIPE LOCATOR RIBBON - 3" WIDTH   |
| ② | PIPE LOCATOR RIBBON - 3" WIDTH<br>(INSTALLED WHEN COVER OF NEW PIPELINE IS 7'-0" OR GREATER) |
| ③ | LOCATOR BALL - SEE NOTES   |

**NOTES:**

1. CENTER PIPE LOCATOR RIBBON IN TRENCH AND PLACE OVER ENTIRE LENGTH OF ALL TYPES, SIZES AND LOCATIONS OF WATER MAINS.
2. LOCATOR BALLS REQUIRED AT ALL HORIZONTAL BENDS OR DEFLECTIONS, CASING ENDS, EVERY 400 FEET OF PIPELINE, OR WHERE REQUESTED BY ENGINEER.
3. IF A.C. PAVEMENT EXISTS INSTALL LOCATOR BALL AT 3'-0" (TYP).
4. IF A CUT TO FINISH GRADE IS ANTICIPATED INSTALL LOCATOR BALLS AT BOTH 3'-0" AND 5'-0" (TYP).
5. IF A FILL TO FINISH GRADE IS ANTICIPATED INSTALL LOCATOR BALLS AT BOTH 1'-0" AND 3'-0" (TYP).
6. LOCATOR RIBBON IDENTIFYING RESTRAINED PIPE/JOINTS OR HIGH PRESSURE PIPE (GREATER THAN 100 PSI) TO BE TAPED EVERY 20 FEET DIRECTLY TO TOP OF PIPE OR USE SELF-ADHERING RIBBON.
7. SEE SPECS SEC 33 05 01 FOR ALL APPROVED PRODUCTS.

## PIPE LOCATOR RIBBON AND LOCATOR BALL INSTALLATION

NOT TO SCALE

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