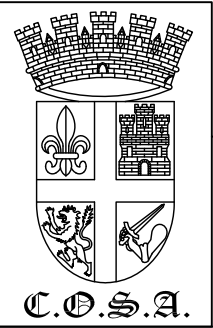


**NOTES:**

1. LOCATING WIRE TO BE INSTALLED IN EITHER THE ONE OR ELEVEN O'CLOCK POSITION ON ALL DUCTILE IRON OR PVC (PRESSURE MAINS). LOCATE WIRE SHALL ALSO BE INSTALLED ON ALL (HDPE) POLY MAIN PIPING (1:00 OR 11:00 POSITION, IF POSSIBLE).
2. SECURE LOCATING WIRE TO PVC & D.I.P. FORCE MAIN BY USE OF DUCT TAPE OR ZIPPER TYPE PLASTIC TIE STRAPS SPACED AT A MAXIMUM DISTANCE OF TEN (10') AND AT EACH SIDE OF BELL JOINT OR FITTING.
3. THE ENTIRE LOCATING SYSTEM SHALL BE INSPECTED BY THE COSA PRIOR TO BACKFILLING. AFTER BACKFILLING, THE ENTIRE LOCATING SYSTEM SHALL BE TESTED BY A CERTIFIED UTILITY LOCATOR OR BY A LICENSED ELECTRICAL CONTRACTOR TO DETERMINE ITS RELIABILITY AND CONTINUITY, WITH THE TEST REPORT SUBMITTED TO THE COSA. THE COSA SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF ANY LOCATE WIRE TESTING. WHERE INSTALLED UNDER PAVEMENT AREAS, TESTING SHALL BE DONE PRIOR TO THE PLACEMENT OF PAVEMENT. IF ANY LOCATION IS IDENTIFIED WHERE THE TRACER WIRE IS NOT CONTINUOUS, THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER, SHALL MAKE NECESSARY REPAIRS.
4. LOCATING WIRE SHALL TERMINATE WITHIN AN ACTIVE VALVE BOX (WITH A VALVE) OR A METER BOX (IF NO VALVE) AT MAXIMUM 475' INTERVALS. SEE DETAIL LOCATE WIRE BOX. WIRE CONNECTIONS BELOW GROUND (OUTSIDE OF A BOX) SHALL BE AVOIDED.
5. LOCATING WIRE SHALL BE 10 GAUGE, SINGLE STRAND, UF RATED (DIRECT BURIAL), COPPER WIRE WITH 30 MIL (MIN.) INSULATION WITH EITHER WHITE OR YELLOW COLOR. FOR HDD INSTALLATIONS, THE LOCATE WIRE SHALL BE 12 AWG COPPER-CLAD CARBON STEEL WITH 30 MILS (MIN) INSULATION, AS SPECIFIED IN SECTION 33 - DIRECTIONAL DRILLING - OF THE COSA STANDARDS AND SPECIFICATIONS DESIGN MANUAL, LATEST EDITION.
6. "x" INDICATES THAT THE WIRES ARE CONNECTED TOGETHER.
7. "@ " INDICATES A WIRE PIG-TAIL (12" LONG).
8. AN "LW" CUT SHALL BE CARVED IN THE CONCRETE CURB AND PAINTED AT ALL LOCATE WIRE BOXES.



**LOCATE WIRE CONSTRUCTION FOR FORCE MAINS**

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NOT TO SCALE	SS-56