

NO LOCATE WIRE REQUIRED ON 1" OR SMALLER SERVICES

1" OR SMALLER WATER SERVICE



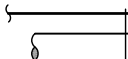
LOCATE WIRE BOX UTILIZING CO-POLYMER METER BOX (CONNECT WIRES TOGETHER WITH WIRE NUT) (SEE NOTE 9)



2" OR LARGER WATER SERVICE
SEE LOCATE WIRE FOR BRANCH & LARGE SERVICES DETAIL



2" OR LARGER BRANCH WATER MAIN



SEE LOCATE WIRE FOR BRANCH & LARGE SERVICES DETAIL

LOCATE WIRE BOX UTILIZING VALVE BOX WITH VALVE SEE LOCATE WIRE BOX DETAIL



6" PVC PIPE TO FIRE HYDRANT
FIRE HYDRANT (NOTE 8)



SEE LOCATE WIRE FOR BRANCH & LARGE SERVICES DETAIL

DUCT TAPE OR ZIPPER TYPE PLASTIC TIES

LOCATE WIRE BOX UTILIZING VALVE BOX WITH VALVE SEE LOCATE WIRE BOX DETAIL

LOCATE WIRE SHALL TERMINATE IN LOCATE WIRE BOX OR IN FLUSHING HYDRANT BOX

DEAD END PLUGGED

WATER MAIN

475' MAX. (NOTE 4)

475' MAX. (NOTE 4)

10' MAX.

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. WATER 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.

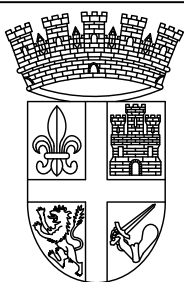
5. LOCATING WIRE SHALL BE 10 GAUGE, SINGLE STRAND, UF RATED (DIRECT BURIAL), COPPER WIRE WITH 30 MIL (MIN.) INSULATION WITH EITHER WHITE OR YELLOW COLOR. FOR HDD INSTALLATIONS, THE LOCATE WIRE SHALL BE 12 AWG COPPER-CLAD CARBON STEEL WITH 30 MILS (MIN) INSULATION, AS SPECIFIED IN SECTION 33 OF THE COSA 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. FOR FIRE, HYDRANT LOCATE WIRE IS ONLY REQUIRED IF THE DISTANCE BETWEEN TAPPING VALVE AND HYDRANT IS OVER 15 LINEAR FEET. IF LOCATE IS REQUIRED, THE WIRE SHALL BE ROUTED FROM THE TAPPING VALVE TO A LOCATE WIRE BOX (LOCATE NEXT TO HYDRANT).

9. AN "LW" CUT SHALL BE CARVED IN THE CONCRETE CURB AND PAINTED AT ALL LOCATE WIRE BOXES.



C.O.S.A.

LOCATE WIRE CONSTRUCTION FOR WATER MAINS

REVISION DATE:

FEB 2017

NOT TO SCALE

W-56