

WATER SERVICE AND FIRELINE NOTES

NO WATER SERVICE WILL BE INSTALLED UNTIL ALL REQUIREMENTS OF THE AKRON WATER SUPPLY BUREAU (AWSB) ARE MET, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. REVIEW AND APPROVAL OF ALL BUILDING PLANS.
2. RECEIPT OF THE APPLICABLE FEES.
3. APPROVAL OF THE HOUSELINE INSTALLATION AND APPURTENANCES.
4. APPROVAL OF THE FIRE SYSTEM WHICH INCLUDES REVIEW AND APPROVAL OF SPRINKLER PLANS.

ALL ON-SITE WATER LINE PIPING AND APPURTENANCES SHALL BE INSTALLED ACCORDING TO AWSB SPECIFICATIONS AND MUST BE INSPECTED AND APPROVED BY THE AWSB (330-375-2420) PRIOR TO BACKFILLING.

ALL UNDERGROUND PIPE 2 INCHES AND SMALLER (1 INCH MIN.) SHALL BE TYPE "K" SOFT COPPER WITH FLARED FITTINGS. COMPRESSION FITTINGS MAY BE USED ON 1 1/2 INCH AND 2 INCH PIPE. ALL BRASS FITTINGS USED SHALL BE LEAD FREE PER NSF61-G. PIPE SHALL BE INSTALLED WITH 4 FEET 6 INCHES OF COVER.

ALL UNDERGROUND STRAIGHT LENGTHS OF PIPE LARGER THAN 2 INCHES SHALL BE CLASS 53 CEMENT LINED DUCTILE IRON WITH PUSH-ON JOINTS. PIPE SHALL BE INSTALLED WITH 4 FEET 6 INCHES OF COVER. SEE AWSB WATER MAIN NOTES, CURRENT EDITION FOR APPROVED PIPE, FITTINGS, BOLTS, ETC., FOR WATER LINE INSTALLATION.

MAINTAIN A 10 FOOT HORIZONTAL CLEARANCE FROM EDGE OF WATER LINE TO EDGE OF SANITARY AND STORM SEWER PIPES

MAINTAIN AN 18 INCH MINIMUM VERTICAL CLEARANCE FROM EDGE OF WATER LINE TO EDGE OF SANITARY AND STORM SEWER PIPES WHERE THEY CROSS.

MAINTAIN A 12 INCH VERTICAL CLEARANCE FROM EDGE OF WATER LINE TO EDGE OF GAS, ELECTRIC, ETC.

MAINTAIN A 5 FOOT MINIMUM HORIZONTAL CLEARANCE FROM EDGE OF WATER LINE TO EDGE OF GAS LINE(S), ELECTRIC LINE(S), COMMUNICATION LINE(S), ETC.

REQUIREMENTS FOR EXISTING LEAD AND CERTAIN GALVANIZED STEEL SERVICE LINES:

1. NO EXISTING LEAD SERVICE LINE MAY BE USED OR REUSED IN WHOLE OR IN PART TO SUPPLY WATER TO ANY CUSTOMER. THIS INCLUDES ANY PORTION OF THE SERVICE LINE BETWEEN THE WATER MAIN AND POINT OF ENTRY TO THE HOUSE OR THE HOUSE METER IF INSIDE THE HOUSE. NO GALVANIZED STEEL SERVICE LINE MAY BE REUSED IF IT IS, WAS, OR EVER COULD HAVE BEEN LOCATED DOWNSTREAM OF A LEAD SERVICE LINE. FOR CLARIFICATION, THIS APPLIES TO ANY GALVANIZED STEEL HOUSELINE INSTALLED PRIOR TO 1931 OR IF INSTALLED AFTER 1931 AND CONNECTED TO AN EXISTING SERVICE LINE MADE OF LEAD. NO PART OF SUCH SERVICE LINES MAY BE REUSED AND MUST BE ABANDONED, AND A NEW SERVICE TAP AND SERVICE LINE WILL BE REQUIRED. THIS REQUIREMENT APPLIES TO BOTH PUBLIC WATERLINES AND PRIVATE WATERLINES IN ANY PART OF THE AWSB DISTRIBUTION SYSTEM.
2. IF REPAIR OR REPLACEMENT OF A HOUSELINE IS CONDUCTED AND LEAD OR GALVANIZED STEEL MEETING THE CRITERIA DESCRIBED IN NOTE 1 IS FOUND, AWSB MUST BE NOTIFIED IMMEDIATELY. SERVICE WILL NOT BE RESTORED UNTIL A NEW SERVICE TAP AND SERVICE LINE, OR OTHER ACCEPTABLE LEAD MITIGATION METHOD, IS CONSTRUCTED OR EMPLOYED. IN NO CASES WILL A PARTIAL SERVICE LINE REPLACEMENT BE ACCEPTED IF LEAD OR GALVANIZED STEEL DESCRIBED IN NOTE 1 REMAINS.
3. NO EXISTING LEAD OR GALVANIZED STEEL SERVICE LINE MEETING THE CRITERIA DESCRIBED IN NOTE 1 MAY BE USED AT AN EXISTING OR VACANT PROPERTY BEING REDEVELOPED WHICH INCLUDES A NEW STRUCTURE ON THE PROPERTY.
4. NO EXISTING LEAD OR GALVANIZED STEEL SERVICE LINE MEETING THE CRITERIA DESCRIBED IN NOTE 1 MAY BE USED OR REUSED AT AN EXISTING PROPERTY BEING REDEVELOPED WHICH INCLUDES AN EXISTING STRUCTURE. COORDINATION WITH AWSB MUST BE DONE AT THE BEGINNING OF THE PROJECT TO REPLACE THAT PORTION OF THE SERVICE LINE DESCRIBED IN NOTE 1.

REQUIREMENTS FOR AN INSIDE METER SETTING:

1. EASILY ACCESSIBLE (CANNOT BE INSTALLED IN CRAWL SPACE).
2. ADEQUATE HEADROOM (MIN. AREA REQUIRED 4' W X 6' L X 6' H)
3. PROPERLY HEATED
4. FLOOR DRAIN OR SUMP WITHIN FIVE FEET OF METER
5. HOUSELINE NOT LONGER THAN 300 FEET
6. METER MUST BE SET WITHIN ONE FOOT OF WHERE LINE ENTERS BUILDING.
7. IN BUILDINGS WITH INTERIOR METER SETTING WITHOUT BASEMENTS, HOUSELINE MUST BE INSTALLED IN AN AWSB APPROVED SCHEDULE 40 CONDUIT FROM A MINIMUM OF ONE FOOT OUTSIDE FOOTER TO 1" ABOVE FLOOR SLAB (HOUSELINE 2 INCH AND SMALLER).\*
8. BUILDINGS WITH INTERIOR METER SETTINGS NOT ON OUTSIDE WALL:
  - A. THE HOUSELINE MUST BE INSTALLED IN A CONTINUOUS AWSB APPROVED SCHEDULE 40 CONDUIT FROM A MINIMUM OF 1 FOOT OUTSIDE BUILDING FOOTER UP THROUGH FLOOR SLAB 1 INCH ABOVE FLOOR (HOUSELINE 2 INCH AND SMALLER).\*
  - B. THE METER WILL REQUIRE A TRANSMITTER TO BE INSTALLED OUTSIDE OF THE BUILDING. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RUN A CONDUIT TO THE EXTERIOR WALL AND PENETRATE THE WALL FOR THE WIRE TO BE RUN THROUGH TO THE TRANSMITTER. SEE DWG. S-7.0.
9. HOUSELINE INSTALLED UNDER PAVED AREAS FOR INSIDE METER SETTING MUST BE IN AN AWSB APPROVED SCHEDULE 40 CONDUIT.\*

**IF THE INTERIOR METER SETTING DOES NOT MEET ALL THE ABOVE REQUIREMENTS, THEN THE METER MUST BE INSTALLED AT THE STREET IN A CURB METER PIT OR AN APPROVED ABOVE GROUND HEATED ENCLOSURE.**

\* MINIMUM CONDUIT SIZE SHALL BE 4" FOR 1" AND 1 1/4" HOUSELINE AND 6" FOR HOUSELINES OVER 1 1/4"

DO NOT SCALE - USE DIMENSIONS ONLY

CITY OF AKRON  
DEPARTMENT OF PUBLIC SERVICE  
WATER SUPPLY BUREAU

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REV. APRIL 10, 2024

  
UTILITIES ENGINEER

STANDARD CONSTRUCTION  
DRAWING NO.

**G-2.0**