

GENERAL ITEMS

ALL METERS SHALL BE FURNISHED BY THE CITY. ALL METERS WILL INCLUDE A REMOTE READING HEAD. THE METER WILL BE FURNISHED AT THE TIME OF APPLICATION AND UPON PAYMENT OF ALL SERVICE CHARGES. THE CUSTOMER IS RESPONSIBLE FOR ALL METERS PURCHASED. IF METERS ORDERED ARE SIZED INCORRECTLY OR NOT NEEDED UPON FINAL CONSTRUCTION, THE CITY IS NOT RESPONSIBLE.

WATER METERS SHALL BE INSTALLED ON ALL WATER SERVICES AS REQUIRED FOR THE PARTICULAR SERVICES. THE SIZE OF WATER METERS SHALL BE ESTABLISHED UPON THE PROBABLE DEMAND LOAD. THE DEMAND LOAD SHALL BE BASED UPON THE NUMBER AND KIND OF FIXTURES OR CONNECTIONS INSTALLED AND ON THE PROBABLE SIMULTANEOUS USE OF THESE FIXTURES OR CONNECTION.

ALL METERS ONE (1) INCH OR LESS SHALL BE MAINTAINED BY THE CITY. ALL WATER METERS GREATER THAN ONE (1) INCH SHALL BE MAINTAINED BY THE CUSTOMER. ALL METERS ONE AND ONE-HALF (1½) INCHES IN SIZE SHALL BE TESTED AND REPAIRED EVERY THREE (3) YEARS. ALL METERS GREATER THAN ONE AND ONE-HALF (1½) INCHES SHALL BE TESTED AND REPAIRED EVERY TWO (2) YEARS. ALL METERS SHALL MEASURE FLOW AT ALL RATES AFTER TESTING IN ACCORDANCE WITH ACCURACY STANDARDS FOUND IN THE AMERICAN WATER WORKS ASSOCIATION STANDARD C700.

ALL BRASS FITTINGS, SUCH AS TAILPIECES, VALVES, FLANGES, STRAINERS, SHALL BE NO LEAD, LOW-LEAD OR ENVIROBRASS CONFORMING TO 2014 EPA REQUIREMENTS, SHALL BE CLEARLY LABELED OR MARKED, AND SHALL BE PROVIDED BY THE CONTRACTOR.

ALL METERS MUST BE INSTALL IN THE HORIZONTAL POSITION AND A MAXIMUM OF 12" FROM WALL OR FLOOR PENETRATION. THE METER CAN NOT REST ON THE FLOOR.

SUFFICIENT SPACE MUST BE PROVIDED, TYPICALLY 1'-2' IN EACH DIRECTION, TO ACCESS AND MAINTAIN THE METER AND BACK FLOW DEVICE. ALL METERS AND OTHER DEVICES MUST BE ADEQUATELY SUPPORTED BY PROPER PIPE/DEVICE SUPPORTS.

THE METER MAY NOT BE LOCATED IN A CRAWL SPACE OR OTHER UNHEATED AREA.

PROVIDE CERTIFICATION OF BACK FLOW / CROSS CONNECTION CONTROL DEVICES REQUIRED ON ALL COMMERCIAL SERVICES. PROVIDE CERTIFICATION TO PUBLIC WORKS BEFORE REQUESTING OCCUPANCY.

CROSS CONNECTION CERTIFICATIONS MUST BE WITH EACH DEVICE.

USE OF A SPOOL PIECE, METER BYPASS, OR USE OF WATER WITHOUT A METER IS PROHIBITED, AND SUBJECT TO PENALTIES.

NO DISSIMILAR METALS WITHOUT DIELECTRIC SEPARATION.

PLUMBER TO INSTALL 1-1/2" OR LARGER METER WITH FLANGE.

STRAINER SPACING SHALL BE CONNECTED DIRECTLY TO THE METER UNLESS SPECIFIED OTHERWISE BY THE MANUFACTURER.

METERS SHALL HAVE STRAINER INSTALLED UPSTREAM.

INSTALLATION

DO NOT REMOVE THE WHITE TAG FROM THE METER. THE WATER METER SHALL BE INSTALLED IN THE BASEMENT OR UTILITY ROOM OR AN ACCESSIBLE LOCATION WHERE METER CAN BE REMOVED WITHOUT THE REMOVAL OF ANY PART OF THE BUILDING STRUCTURE. THE METER SHALL NOT BE INSTALLED IN THE FOLLOWING LOCATIONS: CRAWL SPACES, UNDER KITCHEN CABINETS OR SINKS, LIVING ROOMS, UNDER ENCLOSED STAIRWAYS, LOCATIONS WHERE METERS ARE SUBJECTED TO FLOODING OR FREEZING; COAL BINS, VENTILATION SHAFTS AND ELECTRICAL PANELS OR CABINETS. THE LOCATION OF THE METER SHALL BE NOT MORE THAN TWENTY-FIVE (25) FEET FROM THE EXTERIOR REMOTE READING HEAD.

WATER METER MUST BE INSTALLED INSIDE, A MINIMUM SIX INCHES ABOVE THE FINISHED FLOOR AND A MAXIMUM FIVE FEET ABOVE FINISHED FLOOR.

THE WATER METER MUST BE INSTALLED HORIZONTALLY, NOT VERTICALLY.

A ½" DIAMETER CONDUIT MUST BE RAN THROUGH BUILDING'S EXTERIOR FOR MIU MOUNTING ON OUTSIDE OF BUILDING.

THE REMOTE READING HEAD SHALL BE INSTALLED ON THE OUTSIDE OF THE BUILDING IN A LOCATION SO THAT SAID METER CAN BE READ WITHOUT OBSTRUCTION OR ENTERING THE BUILDING OR ENCLOSURE. A MINIMUM OF 3' FEET OF SPACE SHOULD BE MAINTAINED AROUND THE EXTERIOR READER. WATER METER AND REMOTE READING HEAD SHALL BE INSTALLED BY THE CUSTOMER SUBJECT TO INSPECTION BY THE CITY, THE WATER SERVICE WILL NOT BE ACTIVATED UNTIL METER IS PROPERLY INSTALLED.

ONCE THE WATER METER IS INSTALLED, THE CITY OF WEST CHICAGO'S PLUMBING INSPECTOR REQUIRES AN INSPECTION:

PLEASE CALL (630) 293-2200, EXT. 131 TO SCHEDULE A PLUMBING INSPECTION.

AFTER THE WATER METER INSTALLATION HAS PASSED THE PLUMBING INSPECTION, YOU MUST CALL CITY HALL (630-293-2200) AND SCHEDULE AN APPOINTMENT TO HAVE THE NEWLY INSTALLED NEPTUNE WATER METER SEALED, PROGRAMMED, AND MIU INSTALLED BY THE CITY'S PUBLIC WORKS DEPARTMENT.

ALL NEW METERS ARE ISSUED WITH 0 GALLONS ON THE REGISTER. THE CUSTOMER SHALL BE RESPONSIBLE FOR ALL USE RECORDED ON THE METER PRIOR TO ACCOUNT ACTIVATION.

IF THE WATER METER BEING INSTALLED IS FOR IRRIGATION PURPOSES ONLY, FAILURE TO FOLLOW THE STEPS IDENTIFIED ABOVE MAY RESULT IN YOU NOT GETTING A CREDIT ON THE SANITARY SEWER PORTION OF YOUR WATER BILL.

STANDARD WM-011



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NEPTUNE METER INSTALLATION INSTRUCTIONS

CITY OF WEST CHICAGO  
CONSTRUCTION SPECIFICATIONS,  
STANDARDS, AND DETAILS

REVISIONS
