

## **City of Elgin Water Service Connections**

1. Developer/Contractor submits for approval.
2. Upon approval Developer/Contractor pays permit fees including water tap fees. Developer/Contractor is advised that their underground contractor must provide the city a 5 working day notice for city utilities division staff to schedule installation of the water tap.
3. Underground contractor to properly expose the water main for the water tap installation.
4. City utilities division staff installs water tap including valve. When tap is installed by city utilities division staff, water department/utilities division staff and/or engineering department staff will verify proper installation.
5. If Developer/Contractor elects to have contractor install water tap (including valve), water tap must be installed by an Illinois licensed plumbing contractor. Contractor must contact Community Development to have city licensed plumbing inspector and engineering department inspector to witness and approve water tap installation.
6. The project licensed plumbing contractor will extend the water service from the valve at the main into the building. This work must be inspected by the city's licensed plumbing inspectors.
7. The water service inside the building will terminate with a "T" fitting to provide water to both the fire suppression system and the domestic water system. A corporation stop will be installed on the domestic service inside the building with a corporation stop sleeve and cover to extend through the exterior wall for access from the exterior.
8. The remainder of both the domestic water system and the fire suppression system will be installed in a code compliant manner to include all valves and backflow prevention devices.

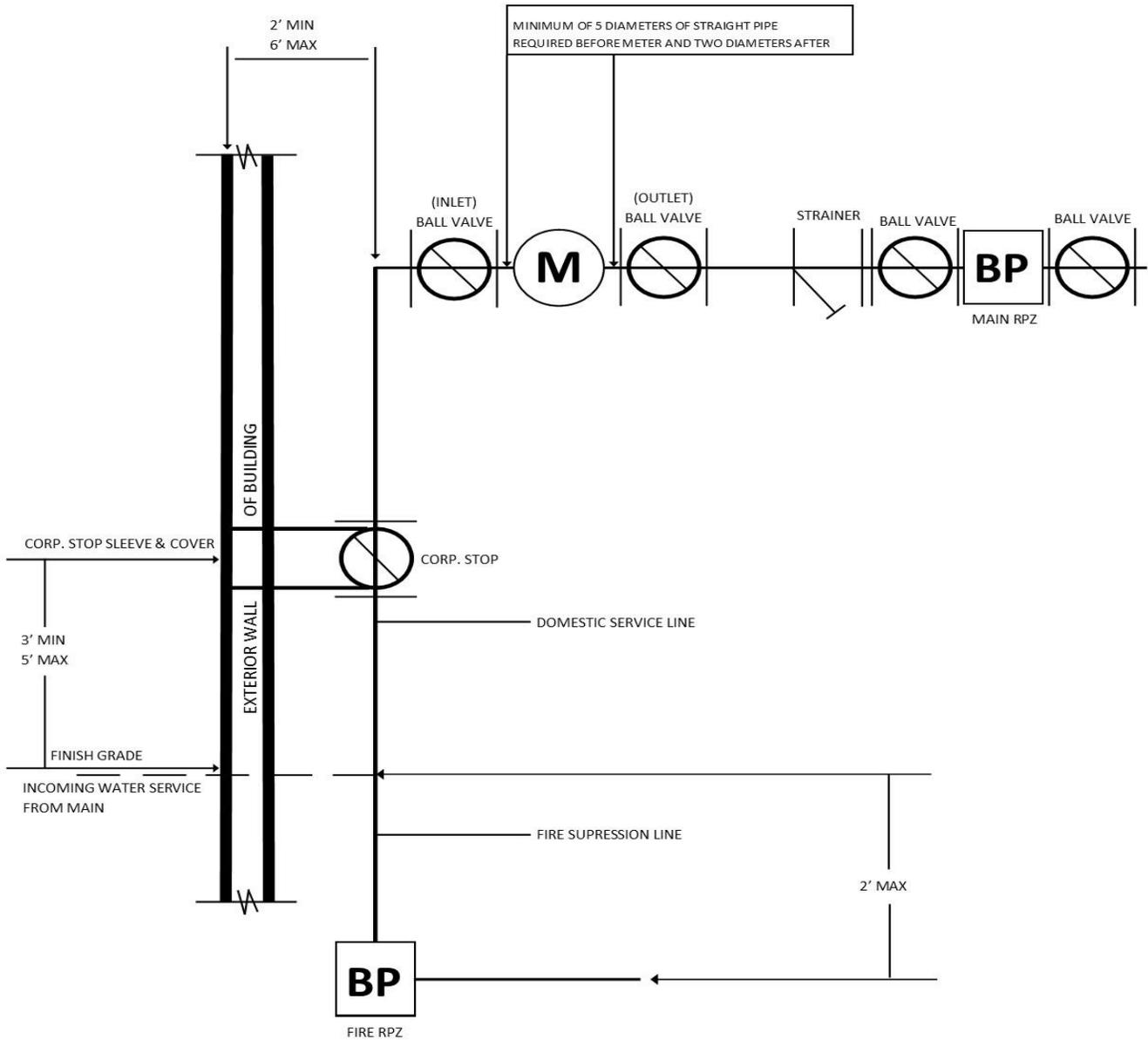
## **COMBINATION FIRE SUPPRESSION & DOMESTIC WATER SERVICE**

### **SEE TYPICAL WATER METER INSTALLATION CONFIGURATIONS (YOURS MAY VARY)**

- For 2 inch diameter and smaller domestic service piping, there shall be a Minneapolis style buffalo box and corporation top, and piping shall be Type K copper with flare fittings from the fire suppression main through the corporation stop.
- For domestic services larger than 2 inch diameter the corporation shutoff valve shall be proposed to be a through wall accessible shutoff with a 2 inch operating nut and shall not be accessible from the interior of the building. Detailed proposals will be reviewed on a case by case basis, and shall include the proposed sleeve, exterior access cover and connection to the valve body.
- Piping shall be properly supported at proper intervals per code, including at all bends, and shall be anchored to the wall directly adjacent to both sides of the corporation stop/shutoff valve.
- The exterior access shall be fitted with a 5 sided nut buffalo box lid, and shall have a minimum of 2 feet clear space in all directions for clear operation of the valve.
- All other plumbing requirements still apply. For 3" or larger a bypass is required and proper placement of Irrigation system

# COMBINATION FIRE SUPPRESSION & DOMESTIC WATER SERVICE

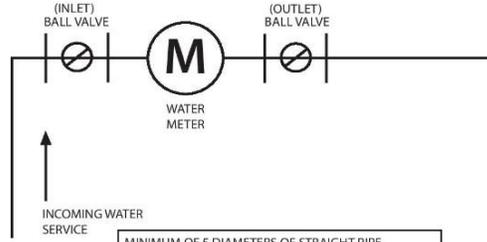
**\*\* Meter size MUST be specified when submitting for Plan review\*\***



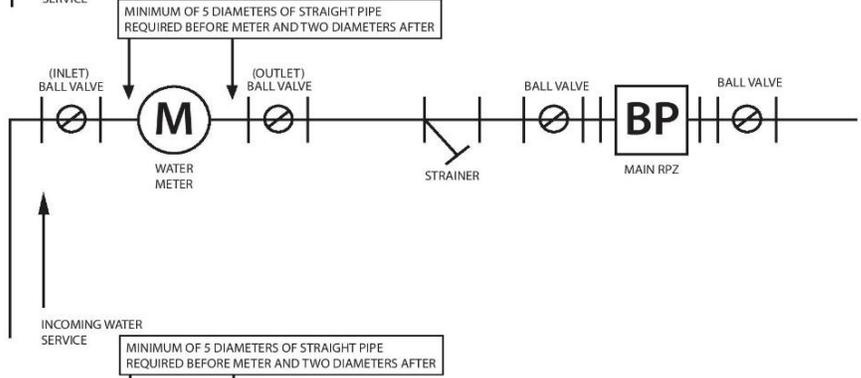
## TYPICAL WATER METER INSTALLATION CONFIGURATIONS (YOURS MAY VARY)

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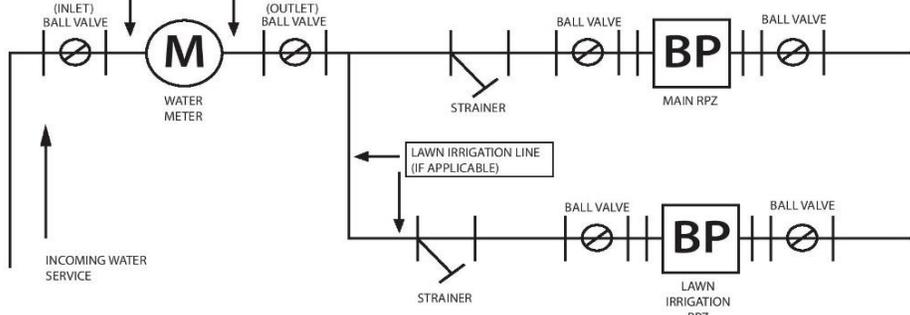
**TYPE 1 RESIDENTIAL**



**TYPE 2 RESIDENTIAL OR COMMERCIAL WITH RPZ**



**TYPE 3 RESIDENTIAL OR COMMERCIAL WITH RPZ AND IRRIGATION**



**TYPE 4 3-INCH OR LARGER RESIDENTIAL OR COMMERCIAL WITH BYPASS, RPZ AND IRRIGATION**

