



TYPICAL Water SETTING FOR 5/8", 3/4", 1", 1-1/2" AND 2" METERS
LAKEWOOD DIVISION OF WATER, 12805 DETROIT AVENUE, 216-529-6820

(This instruction sheet is a synopsis of the requirements for meter settings and is not intended to cover every rule and regulation of the Lakewood Division of Water.)

The meter setting consists of the meter and its appropriate couplings and valves. All meters and all couplings for 5/8", 3/4" and 1" meters must be purchased from the Lakewood Division of Water. All other materials are the responsibility of the property owner and must meet the approval of the Division of Water. The meter setting must be inspected and sealed by the Division of Water.

All pipe and fittings must be either copper or brass. No other material may be used until after the meter setting (or backflow device, if required).

A valve must be set on the service line at the point of entry, whether it is in a vault or a building. A ball valve is preferred, but also permissible are the gate type or stop type if a ball valve can't be installed.

The meter setting must follow, as close as possible, the valve at the point of entry; another valve must follow immediately after the meter setting. The valving may be either vertical or horizontal as long as there is clearance for proper movement of the handles.

No sweat joints are permitted until after the meter setting..

The meter must be set horizontally at a good working height (12" to 30" above floor level), and must have adequate working clearance above (24"+), and to the sides (12"+).

The meter setting must not be in a place where obstructions are probable or water spillage is a concern. Because the meter must be accessible at all times, and because water spillage is unavoidable in plumbing work, certain locations (e.g., cubbyholes, closets, small utility rooms, etc.) are improper because they do not allow for adequate working conditions. In addition, these spaces usually prevent heat from reaching the piping and meter. Effort must be made to avoid the possibility of frost damage to the meter and the service line. **The meter setting must not touch an outside wall, whether in a vault or a building.**

The meter setting should allow for flexibility so the meter can be removed without "pipe shift." The setting should not be so tight or offset that realignment of the piping is difficult when the meter is removed. Settings in vaults should be made by swing joints allowing give.

The meter must be bonded to ensure electric continuity, as required by the Lakewood Division of Building and Housing. The bonding, consisting of two U.L.-listed clamps and a length of #8 solid copper wire, should not interfere with the free movement of the meter couplings.

If a backflow device is required by the Division of Water, the device must be set horizontally and immediately downstream of the meter setting; the backflow device must be tested immediately after installation. Further instruction must be obtained from the Division of Water. The Division of Building and Housing requires an expansion tank on the hot water tank where a backflow device is installed, and must be contacted for further information.