



City of North Ridgeville

Building Department

7307 Avon Belden Rd, North Ridgeville, OH 44039

Phone: (440) 353-0822 Fax: (440) 353-0823



SECOND WATER METER (Deduct Meter)

PROCEDURES:

1. A testable Backflow Prevention Assembly must be installed for Underground Lawn Irrigation Systems. Hose bibs require a Vacuum Breaker Backflow Prevention Assembly. The Building Department will conduct a Meter Set-up Inspection and Lawn Irrigation System Inspection; the backflow device on lawn sprinkler systems must be tested upon installation and report provided to the City Engineer or to the Inspector before final approval is given.
2. If desired all exterior hose bibs may be on the deduct meter. Plumbing must be changed/set-up so that all outside faucets are on the deduct meter line. This means after your first water meter, you would T-off or Y-off the main entrance line and install your second meter and backflow prevention device on the line that services your outside faucets or underground lawn irrigation system. Every house is a little different on plumbing set-up.
3. A permit is required for inspection of your changes and set-up for second meter.

The second meter is to be set-up the same as for the first meter only *after* the first meter on your line and connected to exterior faucets. (See the attached drawings) **Permit** should be obtained from the Building Department. See fees listed on Residential Building Permit Fees page (website or handout). After permit is issued and plumbing changes are made, the homeowner or plumber must call the Utilities Department (**353-0841**) for an appointment to have the water meter installed.

With the second (deduct) meter, residents are charged for water usage only on the second water meter and will receive a credit on their bill for sewer charges that are billed on the first meter.

Example: monthly usage on first meter is 1400 cubic feet (or 14 usage) and the monthly usage on the second meter is 500 cubic feet (or 5 usage).

The water usage would be: **Water (14 use)**
Sewer (14 use)
Deduct Meter (5 use)
Total after deduction (23 use)

In effect, the customer would be billed a 14 usage for water and only a 9 usage for sewer since a 5 usage was on the second water meter that registers exterior water use.

The second water meters are for outside usage only, such as car washing, filling swimming pools, watering lawns and gardens, etc.

The cost of the second water meter can either be paid for at the Utilities Department or the charge for the meter can be billed on your next monthly utility statement.



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RESIDENTIAL PLAN APPROVAL APPLICATION

CONSTRUCTION SITE ADDRESS: _____
 CONTRACTOR: _____ DATE: _____
 CONTRACTOR ADDRESS: _____
 CONTACT PHONE #: _____ E-MAIL: _____
 PROPERTY OWNER: _____ DATE: _____
 PROPERTY OWNER ADDRESS: _____
 CONTACT PHONE #: _____ E-MAIL: _____

(CHECK ALL ACTIVITIES PERTAINING TO THIS APPLICATION)

NEW CONSTRUCTION: Single Family Multi-Family # of Units _____
 Square Footage: Finished Basement: _____ 1st Fl.: _____ 2nd Fl.: _____ Total: _____
 Garage: Attached Detached Storage Building Size: W _____ x D _____ Square Feet: _____
 Sub Lot # : _____ Permanent Parcel # : _____ Water Permit #: _____
 Zoning District : _____ Subdivision: _____ Model / Plan Name: _____
YARD REQUIREMENTS: Width at R.O.W. : _____ Flood Plain Zone: _____

ADDITION / ALTERATION: Year Dwelling Built: _____ Addition/Alteration Square Footage: _____
 Dwelling Addition Garage Addition Storage Bldg. Addition Kitchen Remodel Basement Remodel

GENERAL PERMITS:

Re-Siding Re-Roofing Fire Damage Repair 2nd water meter
 Demo Above-Ground Pool In-Ground Pool Lawn Sprinkler
 Gazebo Other : _____
 Fence Style: _____ Size: _____
 Deck Size: _____ Square Feet: _____

| PERMIT FEES | |
|--------------------|-------|
| PERMIT: | _____ |
| STATE 1%: | _____ |
| ADMIN.: | _____ |
| TOTAL: | _____ |

HVAC:

Heat: New Replacement A/C: New Replacement Fireplace: New Replacement
 Condensing Unit Location: Rear yard Left side yard Right side yard
 Furnace Capacity: _____ BTU's Water Heater Capacity: _____ BTU's
 Furnace Fuel Type: Natural Gas L.P. Gas Electric Other: _____
 Water Heater Fuel Type: Natural Gas L.P. Gas Electric Other: _____
 Air Conditioner Capacity: _____ Tons Ductwork Type: Sheet metal Duct board
 Gas Meter Location: Front yard Rear yard Left side yard Right side yard
 Water Meter Location: Front Rear Left side Right side

The following information must be clearly identified on the Construction drawings: Furnace location, water heater location, vent termination for dryer, furnace & water heater, water meter location (if slab construction).

Indicate Energy Code compliance method: _____



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PLUMBING: New Alteration Service Line

Indicate fixture count below:

| | | |
|-----------------------|-------------------------------|---------------------------|
| Water Closet(s) _____ | Floor Drain(s) Bidet(s) _____ | Backflow Device(s) _____ |
| Lavatory(s) _____ | Sink(s) _____ | Laundry Tub(s) _____ |
| Water Heater(s) _____ | Shower(s) _____ | Bath Tub(s) _____ |
| Dishwasher(s) _____ | Clothes Washer(s) _____ | Sump Pump(s) _____ |
| Hot Tub(s) _____ | Sewage Grinder(s) _____ | Garbage Disposal(s) _____ |
| Other(s) _____ | | |

Building Main Drain size: _____ inches. Building Water Service size: _____ inches.

Water Distribution System: Copper PVC / plastic

ELECTRICAL: New Alteration/Addition Service Change Service Entrance Service Amps:

Indicate load wattages & amperages for each item applicable below:

| | | |
|-----------------------------|----------------------------|--------------------------------|
| Range: _____ watts | Cook top: _____ watts | Oven: _____ watts |
| Water Heater: _____ watts | Clothes Dryer: _____ watts | Gas Clothes Dryer: _____ watts |
| Dishwasher: _____ watts | Disposal: _____ watts | Sump Pump: _____ watts |
| Sewage Ejector: _____ watts | Water Pump: _____ watts | Other: _____ watts |

Air Conditioner: _____ volts _____ amps

Furnace: _____ volts _____ amps

Electric Space Heater: _____ volts _____ amps

Heat Pump: _____ volts _____ amps

| TRADE | NAME OF CONTRACTOR | REGISTERED |
|-----------------|--------------------|------------|
| Masonry: | _____ | Yes / No |
| Carpentry: | _____ | Yes / No |
| Plumbing: | _____ | Yes / No |
| Electrical: | _____ | Yes / No |
| HVAC: | _____ | Yes / No |
| Decorating: | _____ | Yes / No |
| Floor Covering: | _____ | Yes / No |
| Drywall: | _____ | Yes / No |
| Excavator: | _____ | Yes / No |
| Pool Erector: | _____ | Yes / No |
| Landscaper: | _____ | Yes / No |
| Other: | _____ | Yes / No |

(Circle one)

NOTE: All contractors submitted regarding this permit, must be registered and approved by the Building Dept. for the current year.

Cost of Construction: \$ _____ Applicant's Signature: _____

Property Owner's Signature: _____

Sidewalk Ordinance received date: _____ Applicant's Signature: _____

Date: _____ Approved: _____



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Rules for Water Meter & 2nd Meter Installations

1. All Meters must be installed horizontally.
2. A minimum clearance of 4 inches must be present between center-line of meter to any wall or object.
3. The second meter **MUST** be installed downstream of the first meter. Please refer to "T" connection in picture.
4. All Pipe fittings used for the meter set must be of an approved type.
(No black pipe or fittings that may rust/corrode).
5. Meters must be properly supported with appropriate clamps or supports to prevent accidental breakage.
6. A jumper or spanner must be fit into the space for the meter. **IT IS CRITICAL THAT THE SPACE FOR THE METER IS EXACTLY 12 INCHES.** The jumper or spanner will be removed when the meter is installed and is necessary to check for leaks up and down stream of the meter installation.
7. The incoming water line must have a turn off on each side of the meter. (see drawing)
8. A reduction to two ½ inch female brass fittings must be on either side of the meter set as shown.
9. If there are leaks in the assembly, the meter will not be installed.
10. Shark bite fittings that allow for rotation of the meter are unacceptable.
11. *****All Water lines attached to the second meter must supply exterior uses only.**

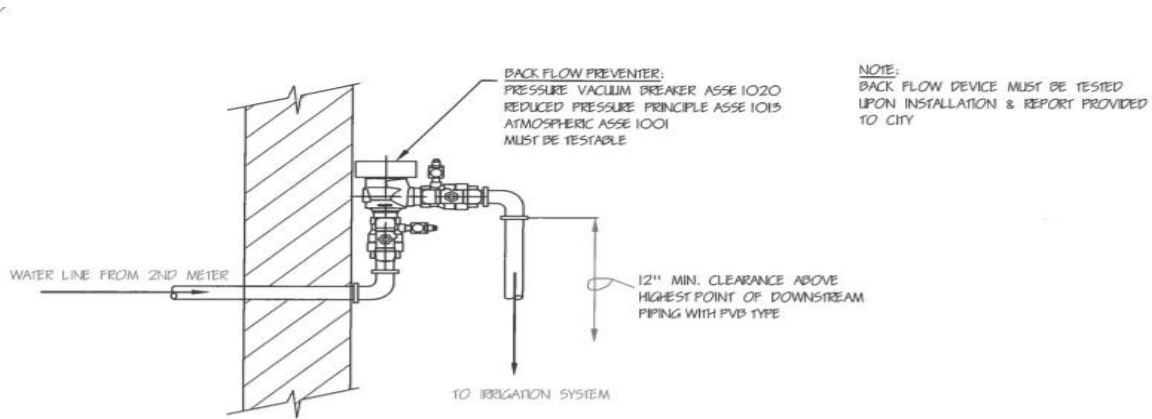
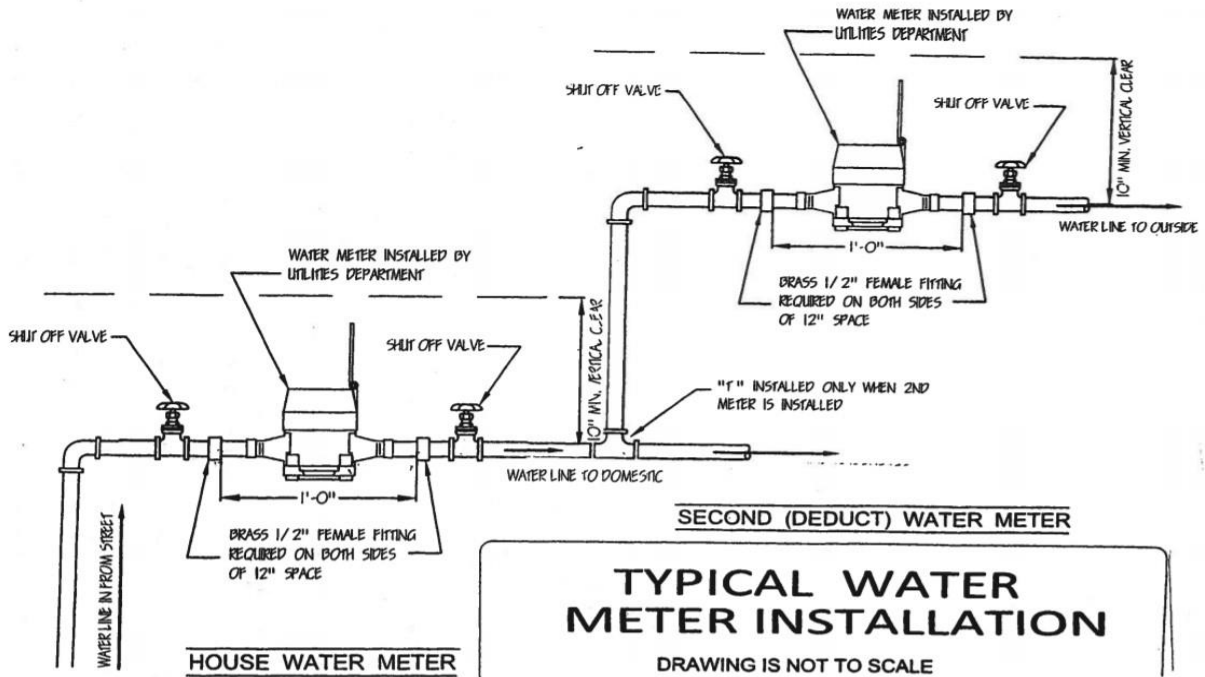


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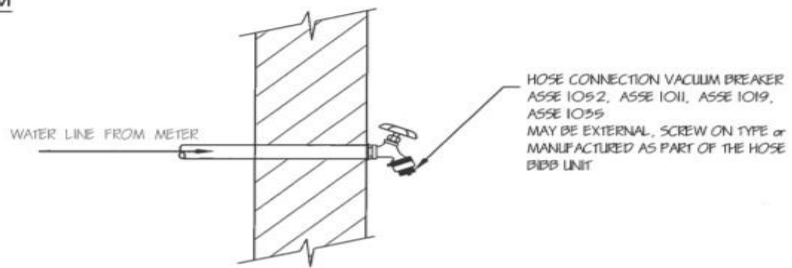
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LAWN IRRIGATION SYSTEM



EXTERIOR HOSE BIBB