



THE CITY OF NORTH RIDGEVILLE
 7307 Avon Belden Road, North Ridgeville, Ohio 44039
 Telephone: (440) 353-0822 Fax: (440) 353-0823



Building Department

RESIDENTIAL PLAN APPROVAL APPLICATION

CONTRACTOR: _____
 NAME DATE
 ADDRESS PHONE

PROPERTY OWNER: _____
 NAME
 ADDRESS CITY ZIP PHONE

CONSTRUCTION SITE ADDRESS: _____

(CHECK ALL ACTIVITIES PERTAINING TO THIS APPLICATION)

NEW CONSTRUCTION: Single Family Multi-Family # of Units _____
 Square Feet: 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 Second water meter
 Demo Above Ground Pool In Ground Pool Lawn Sprinkler
 Gazebo Other : _____
 Fence Style: _____ Size: _____
 Deck Size: _____ Square Feet: _____

GENERAL 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 2006 IECC compliance method: _____



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PLUMBING

New Alteration Service Line

Indicate fixture count below:

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

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
 Electric Water Heater _____ watts Electric Clothes Dryer _____ watts Gas Clothes Dryer _____ watts
 Dishwasher _____ watts Disposal _____ watts Sump Pump _____ watts
 Sewage Ejector _____ watts Water Pump _____ watts _____ watts
 Air Conditioner _____ volts _____ amps Furnace _____ volts _____ amps
 Electric Space Heater _____ volts _____ amps Heat Pump _____ volts _____ amps

TRADE

NAME OF CONTRACTOR

REGISTERED

Masonry	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Carpentry	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Plumbing	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Electrical	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
HVAC	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Decorating	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Floor Covering	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Drywall	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Excavator	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Pool Erector	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Landscaper	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Other	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No

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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LAWN IRRIGATION PROCEDURE ACKNOWLEDGEMENT

CONTRACTOR: _____

 NAME DATE
 ADDRESS PHONE

PROPERTY OWNER: _____

 NAME
 ADDRESS CITY ZIP PHONE

CONSTRUCTION SITE ADDRESS: _____

1. Final Grade Approval is required on all new homes before an irrigation permit will be issued.
2. If the irrigation system is to be installed on the tree lawn or an easement, the sprinkler system will **NOT** be repaired or replaced by the City of North Ridgeville should the City have to service the easement or tree lawn area.
3. All lawn irrigation systems connected to the city water system shall have backflow devices tested and the test report shall be provided to inspector at the time of inspection. Failure to provide the test report at inspection will result in FAILED inspection.
4. A yearly test shall be performed and test report shall be submitted to the City of North Ridgeville Engineering Department.
5. Homeowner and contractor must acknowledge these conditions by signing below
6. A second "deduct" water meter, which would eliminate sanitary sewer charges for outdoor water usage, may be purchased through the City of North Ridgeville Utilities Department. (Permit from Building Department required)

Acknowledgement date: _____ Homeowner Signature _____

Acknowledgement date: _____ Contractor Signature _____



MEMO

CITY OF NORTH RIDGEVILLE

To:	LAWN IRRIGATION INSTALLERS
From:	CITY ENGINEER'S OFFICE
Subject:	BACKFLOW INSTALLATION AND TESTING REQUIREMENTS
Date:	Original Date: July 19,2006 Revised Date: January 14, 2009

INSTALLATION OF LAWN IRRIGATION SYSTEMS & BACKFLOW TESTING REQUIREMENTS POLICY

All contractors or homeowners making lawn irrigation system connections to the city water system for purposes of watering lawns and landscaping shall comply with the provisions below in order to receive final inspection approval. All backflow devices shall be tested and the test results forwarded to the North Ridgeville City Engineering Department immediately following installation or the installation will not be accepted.

“FINAL PLUMBING INSPECTION WILL NOT BE PASSED WITHOUT A TEST REPORT BY STATE CERTIFIED TESTING AGENCY”

OHIO PLUMBING CODE 608.16.5 CONNECTIONS TO LAWN IRRIGATION SYSTEMS

The potable water supply to lawn irrigation systems shall be protected against backflow by an atmospheric-type vacuum breaker, a pressure-type vacuum breaker or a reduced pressure principle backflow preventer. A valve shall not be installed downstream from an atmospheric vacuum breaker. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure principal backflow preventer.

OHIO PLUMBING CODE 312.9 INSPECTION AND TESTING OF BACKFLOW PREVENTION ASSEMBLIES

Reduced pressure principal backflow preventer assemblies, double check valve assemblies, pressure vacuum breaker assemblies, reduced pressure detector fire protection backflow prevention assemblies, double check detector fire protection backflow assemblies, hose connection backflow preventers, and spill proof vacuum breakers shall be tested at the time of installation, immediately after repairs or relocation and at least annually. The testing procedure shall be performed in accordance with on of the following standards: **ASSE 5013, ASSE 5015, ASSE 5020, ASSE 5047, ASSE 5048, ASSE 5052, ASSE 5056, OR CAN/CSA B64.10.**



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Please be advised that no Lawn sprinkler / Irrigation System permits will be issued until final grade has been approved by the City of North Ridgeville Engineering Department.

Any installations of a system without a permit will result in the permit fee being doubled.



CITY OF NORTH RIDGEVILLE

UTILITIES DEPARTMENT



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 is \$36.00** and should be obtained from the Building Department. 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.

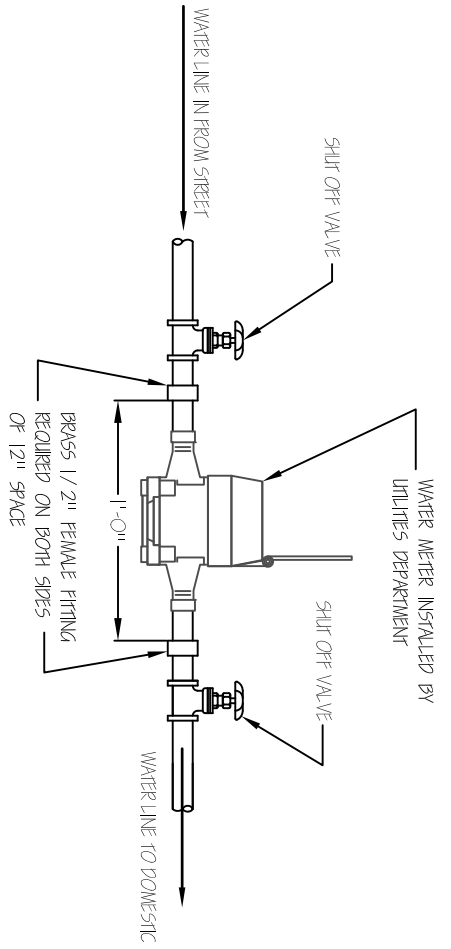
Example: monthly usage on first meter is 1400 cubic feet (or 14 usage) and the monthly usage on the second meter is 500 cubic feet (or 5 usage).

<i>The bill would be:</i>	Water	\$43.64 (14 use)
	Sewer	\$53.48 (14 use)
	Deduct Meter -	\$18.45 (5 use)
	Total	\$78.67

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.

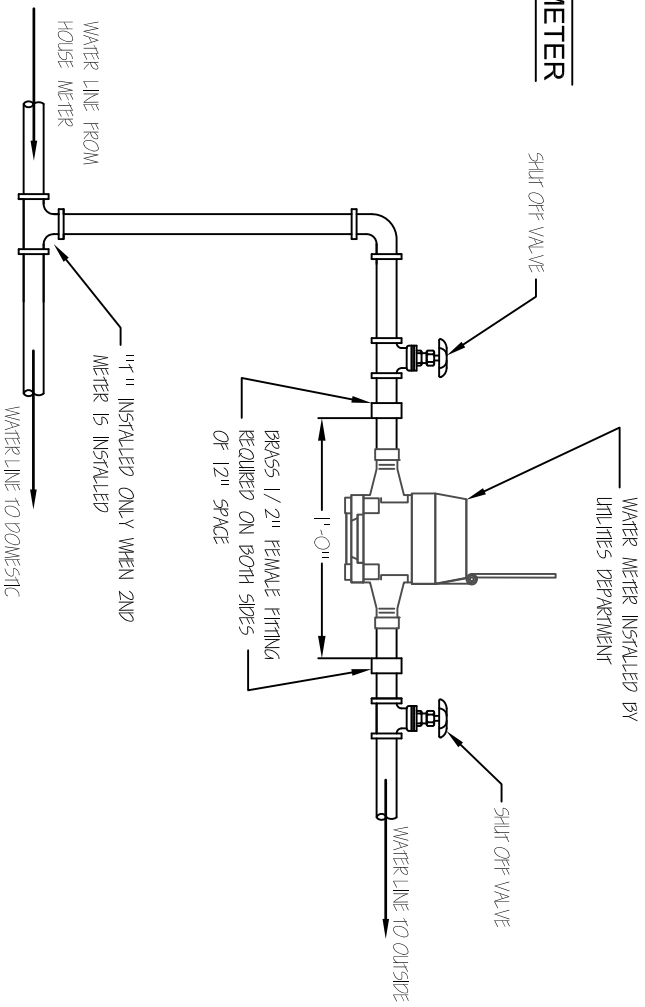
The second water meters are for outside usage only, such as car washing, filling swimming pools, watering lawns and gardens, etc.

The cost of the second water meter is **\$183.00** and can either be paid for at the Utilities Department or the charge for the meter can be billed on your next monthly utility statement.



NOTE:
ALL WATER METERS TO BE INSTALLED HORIZONTALLY

HOUSE WATER METER



SECOND (DEDUCT) WATER METER

NOTE: final configuration of piping and location of meter is determined in the field depending on available space

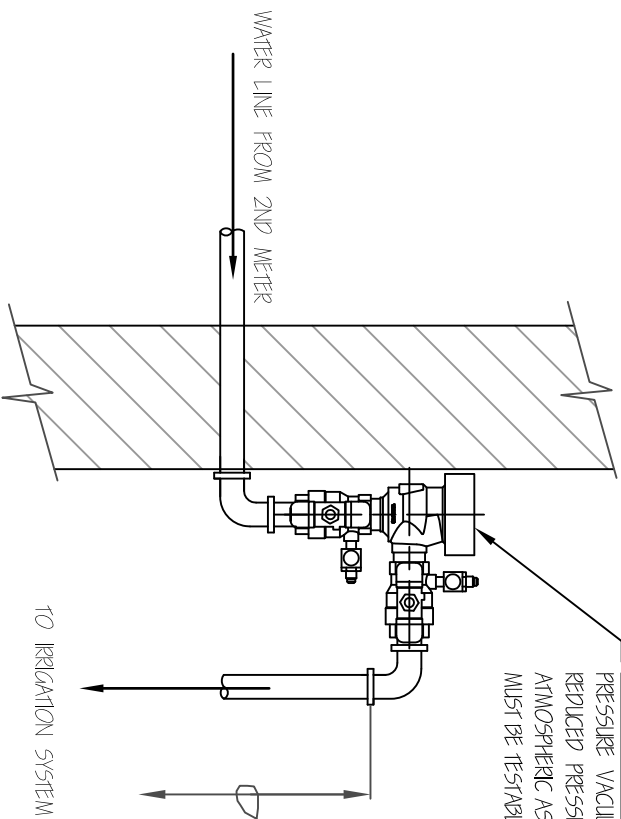
SECOND METER TO BE INSTALLED
DOWNSTREAM (AFTER) MAIN HOUSE
METER

TYPICAL WATER METER INSTALLATION

DRAWING IS NOT TO SCALE

**CITY of
NORTH
RIDGEVILLE**

DATE:
Sept. 2010

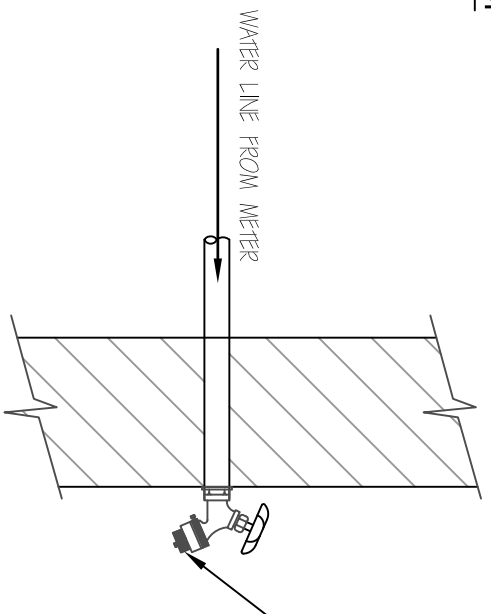


BACK FLOW PREVENTER:
 PRESSURE VACUUM BREAKER ASSE 1020
 REDUCED PRESSURE PRINCIPLE ASSE 1015
 ATMOSPHERIC ASSE 1001
 MUST BE TESTABLE

12" MIN. CLEARANCE ABOVE
 HIGHEST POINT OF DOWNSTREAM
 PIPING WITH PVB TYPE

TO IRRIGATION SYSTEM

LAWN IRRIGATION SYSTEM



HOSE CONNECTION VACUUM BREAKER
 ASSE 1052, ASSE 1011, ASSE 1019,
 ASSE 1035
 MAY BE EXTERNAL, SCREW ON TYPE or
 MANUFACTURED AS PART OF THE HOSE
 BIBB UNIT

NOTE:
 BACK FLOW DEVICE MUST BE TESTED
 UPON INSTALLATION & REPORT PROVIDED
 TO CITY

**LAWN IRRIGATION &
 HOSE BIBB BACKFLOW**

DRAWING IS NOT TO SCALE

**CITY of
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DATE:
 Sept. 2010

EXTERIOR HOSE BIBB