

**IRRIGATION SYSTEM
PERMITTING AND INSTALLATION**

All irrigation system installations that have individual and separate taps from the public water main shall comply to the following procedure:

PLAN REVIEW

- § Four sets of plans for the irrigation system must be provided to Canton Township Engineering Services for review.
- § A \$200.00 plan review fee must be paid at the time of plan submittal,
- § Canton Township Engineering Services will review the plans. Plans requiring revision will be returned to the irrigation contractor.
- § If after two reviews, the plans are unapproved, an additional \$50.00 will be charged for each additional review.

BOND

After approval of the plans, and prior to obtaining the permit for the water tap(s), the contractor must post a cash bond in the following amounts:

TAP SIZE	BOND AMOUNT PER TAP
1"	\$1,000.00
2"	\$3,000.00

Bonds will be returned following approval of the irrigation system by inspection, installation of the meter, and establishment of billing account.

WATER TAPS

1. One (1)-inch Water Taps
 - a. One (1)- inch diameter water taps shall be completed by Canton Township Public Works department.
 - b. When the contractor is ready for completion of a 1" tap, contact the public works department a minimum of two working days in advance to schedule the tap at (734) 394-5150.

WATER TAPS (Continued)

2. Two (2)-inch Water Taps
 - c. Two (2)-inch diameter taps shall be completed by outside contractors who have been approved by Canton Township.
 - b. All two-inch taps require inspection by Canton Township Public Works department.
 - c. Tap inspections must be scheduled a minimum of 24 hours in advance during the work week.
3. Once the permit is issued, the contractor has 30 days to make the connection, call for inspection and install the meter.
 - d. If the irrigation system installation does not pass inspection during the initial inspection, a \$200.00 fee will be charged, and an additional 30 days will be granted to complete the installation.
 - e. If the irrigation system installation does not pass upon reinspection, the township will use the posted bond to complete the installation.

METER BOX CONSTRUCTION

1. Meter box components shall include all valves and devices shown on attached drawing.
2. Meter box shall include drainage to allow blow off from backflow prevention devices to drain from box.
3. Meter boxes shall be constructed on a concrete pad, a minimum of 4" inches thickness.

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BACK FLOW PREVENTION DEVICES

Requirements for irrigation system construction based on the type of backflow prevention device proposed are provided on the attached information from Wayne County. Additional construction requirements are summarized below.

BACKFLOW PREVENTER	CONSTRUCTION REQUIREMENTS
Atmospheric Vacuum Breaker (AVB)	<ol style="list-style-type: none">1. AVB must be placed a minimum of 14 inches above grade2. AVB must be placed a minimum of 14 inches above the highest sprinkler or other water outlet3. No shut-off valves shall be placed on the discharge side of the vacuum breaker
Pressure Vacuum Breaker (PVB)	<ol style="list-style-type: none">1. PVB must be placed a minimum of 14 inches above-grade2. PVB must be placed a minimum of 14 inches above the highest sprinkler or other water outlet3. The downstream side of the vacuum breaker may be maintained under pressure using a valve, however, there must be no means of imposing pressure by a pump or other method.
Reduced Pressure Zone Backflow Preventer (RPZ)	<ol style="list-style-type: none">1. RPZ must be installed horizontally and must be a minimum of 12 inches above grade.