



CITY OF PICKERINGTON

WATER SERVICELINE REQUIREMENTS AND GENERAL NOTES

Twenty-four hour notice is required for waterline inspections. All inspections will take place Monday-Friday, 8:00 a.m. to 4:00 p.m., with the exception of holidays.

All waterline installers must be licensed by the City of Pickerington.

All waterline material installed within the City shall be American made.

Location of and all taps into City water mains shall be made by, or under the direct supervision of the City of Pickerington Utility Maintenance Personnel. The City will not supply any materials.

No work shall be started until the City of Pickerington Utility Maintenance Personnel are on site. All work must remain uncovered until it is inspected by authorized City of Pickerington Utility Maintenance Personnel. A representative of the licensed installer must be present for the inspection.

The minimum ground cover shall be forty-two (42) inches from ground surface to top of waterline. Maximum ground cover shall be sixty (60) inches from ground surface to top of line.

Service lines installed through driveways must be sleeved with Class 200 or better plastic and backfilled with aggregate fill sand. The curb box may not be located in the driveway or sidewalk. Water and gas lines cannot be in the same ditch. Gas lines must be a minimum of four (4) feet from the waterline. Curb boxes may not be covered with dirt or sod. The City will not supply any materials. Valve wrenches must not touch curb box sides or bind in any manner when applied to the curb box valve. Figure #2 illustrates proper installation of a water box.

Use of a class 200 or better plastic pipe is required to be sleeved, between the block wall and two (2) feet beyond any over dig portion of the foundation when class 200 plastic is used, or no sleeve is required if copper pipe is used through the wall and two (2) feet beyond.

All waterlines running under the house must be sleeved.

Once the City of Pickerington Utility Maintenance Personnel provides an acceptable inspection the trench and around the curb box must be backfilled immediately. Clean fill dirt must be used for backfill. **WATERLINE TRENCH MUST BE CLEARED OF DEBRIS** prior to backfill. If curb box is below grade, a standard curb box riser is required and if required to install a curb box extension rod it must have a permanent centering ring and be pinned to the curb stop.

All fitting shall be compression fittings. No flare fittings will be accepted.

The City of Pickerington does not permit meter yokes.

The isolation must be installed in the basement prior to the inspection. The service line will be pressure checked using system pressure.

All meter settings shall have permanent heat before the meter installation will occur.

The house/business plumbing for a $\frac{3}{4}$ inch waterline must provide between 11 ½ to 12 inch clearance for the meter installation; two (2) gate or ball valves with one valve in front of the meter and one immediately in back of the meter. Figure #1 shows the proper installation of the plumbing for the meter. The master meter shall not be mounted higher than (3) three feet above floor level and no lower than (2) two feet above floor level.

The house/business plumbing for a one (1) inch waterline must provide between 15 and 16 inches clearance for the meter installation; two (2) gate or ball valves with one valve in front of the meter and one immediately in back of the meter. The master meter shall not be mounted higher than (3) three feet above floor level and no lower than (2) two feet above floor level.

All commercial/business settings must have an approved Backflow device installed directly behind the Master meter. The valves on the backflow prevention device cannot be used as an isolation valve for the meter.

- All meters Master or Deduct must be purchased thru the City of Pickerington

DEDUCT METER INSTALLATION: The house plumbing for a $\frac{3}{4}$ inch waterline must provide between 11 ½ to 12 inch clearance between $\frac{3}{4}$ female fittings for meter installation; (2) two gate or ball valves with one valve in front and one immediately in back of meter. Deduct meter plumbing must only be tied into **IRRIGATION or HOSE BIBS ONLY!!** The deduct meter shall not be mounted higher than 4' above the floor level. The deduct meter is to be installed 12" twelve inches above master meter. Figure #2 shows proper installation of a deduct meter. Deduct meters must be purchased thru the City of Pickerington

IRRIGATION SYSTEMS: The installation of an irrigation system must have a Backflow preventer installed and must be a testable device and tested every 12 (Twelve) months after installation by a certified backflow tester.

Any use of water, except for the pressure check, will be made through the water meter. Any use of "METER JUMPERS", turning on water service or use of any water without the use of a water meter will be considered "THEFT OF SERVICE" under section 915, Pickerington Codified Ordinances. Theft of service is a misdemeanor of the first degree.

All those involved in such act shall be charged accordingly.

Any changes that may be required for any circumstances must be given to the Director of Utilities for approval.

WATER MAINS: All waterline material and installations shall be in accordance with the current rules and regulations of the City of Pickerington. All waterline material shall be Ductile Iron Pipe, Class #53 meeting AWWA C151 or PVC meeting AWWA C-900 and approved Factory Mutual System Class 150 or 200. In case

of conflict in grade between waterlines and storm sewers, the waterline shall be lowered during construction. Mains will be installed using granular bedding consisting of crushed #67 stone 4" below the pipe and to 12" over the top of the pipe. The main line for Cul-de-Sacs will be a minimum of 6" diameter pipe and extend to the back of the Cul-de-Sac and terminate at a fire hydrant located 2' back of the curb. Metal detector tape shall be placed 2' above the pipe and follow the alignment of the pipe. Backfill from a point 12" over the top of the pipe shall be free of rocks, organic refuse or other objectionable material. The installing contractor is responsible for conducting pressure and leakage tests with a pressure of 170 p.s.i. The normal working pressure for the water main shall not be less than 35 p.s.i. Individual booster pumps shall not be allowed for individual service. Pressure testing shall be in accordance with AWWA C-600. Waterlines shall be laid at least 10 feet horizontally from an existing or proposed sanitary sewer and shall maintain at least 18 inches of vertical clearance between the outside of the water main and the outside of the sewer pipe at all crossings.

VALVES: Gate valves will be AWWA C-509 resilient wedges, iron body, bronze mounted, valves manufactured by Mueller or Clow. Valves will be located close to Tee's when in branch lines. Curb boxes are to be painted blue, and marked in concrete curb. All valves that exceed 4 ½' bury shall be furnished with a permanent valve stem extension and centering ring. Supply one (1)-operating wrench for each five- (5) valves.

HYDRANTS: Acceptable hydrants are American Darling B-84-B or Super Centurion with 5 ¼ inch main valve, 2- 2 ½ inch & 1- 4 ½ inch nozzles with five (5) foot of bury. Install hydrant extensions where necessary or required. Hydrants are to be installed two (2) feet of the back of the curb as per detail L-6409. Hydrant setting will conform to the Columbus Standard drawing no L-6409 unless otherwise specifically approved due to location. The detail will be modified to include concrete backing instead of wood, being careful to keep drain holes open. At least two (2) cubic feet of granular material will be placed for drainage. All hydrants will be painted red with fluorescent white nozzles. Hydrants will be located as approved by the fire department with a maximum spacing of 400 feet. Consideration will be given to utilizing the hydrant for blow-off purposes. All hydrants shall have a five- (5) inch "Stortz" fitting with cap. Supply one (1) hydrant wrench for each five- (5) hydrants.

CHLORINATION OF WATER MAINS: The contractor shall make arrangements to have the water mains chlorinated. The cost of chlorination shall be included in the price bid for the various water main items. The contractor shall submit two (2) copies of test results, one to the Pickerington Engineers and the other to the City Water Distribution Department. Disinfection shall be in accordance with AWWA C-651.

The waterlines will be flushed by City Water Distribution Personnel only.

SERVICE CONNECTIONS: Services shall be made with Ford F-1000 corp. stops, Ford Z-44-333 curb stops, and Mueller, Bingham-Taylor, or Tyler type valve and curb boxes with covers marked "WATER". No substitutions will be permitted unless approved by the City of Pickerington Water Distribution Department. The location of the end of the service will be marked using a minimum six (6) foot long two (2) inch square wooden pole placed three (3) feet in the ground. The top of the pole will be painted blue for at least one (1) foot. Connections made by the contractor shall be made by tapping through a full wrap-around stainless steel service clamp, which provides 360-degree support against the pipe. Clamps and bolts shall be stainless steel, with a minimum of at least two (2) bolts per clamp.

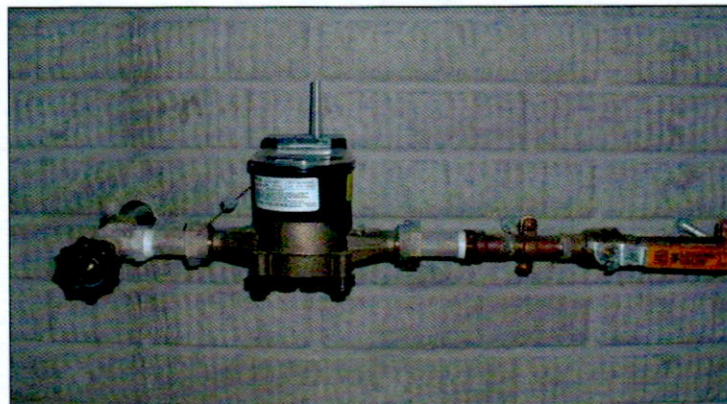
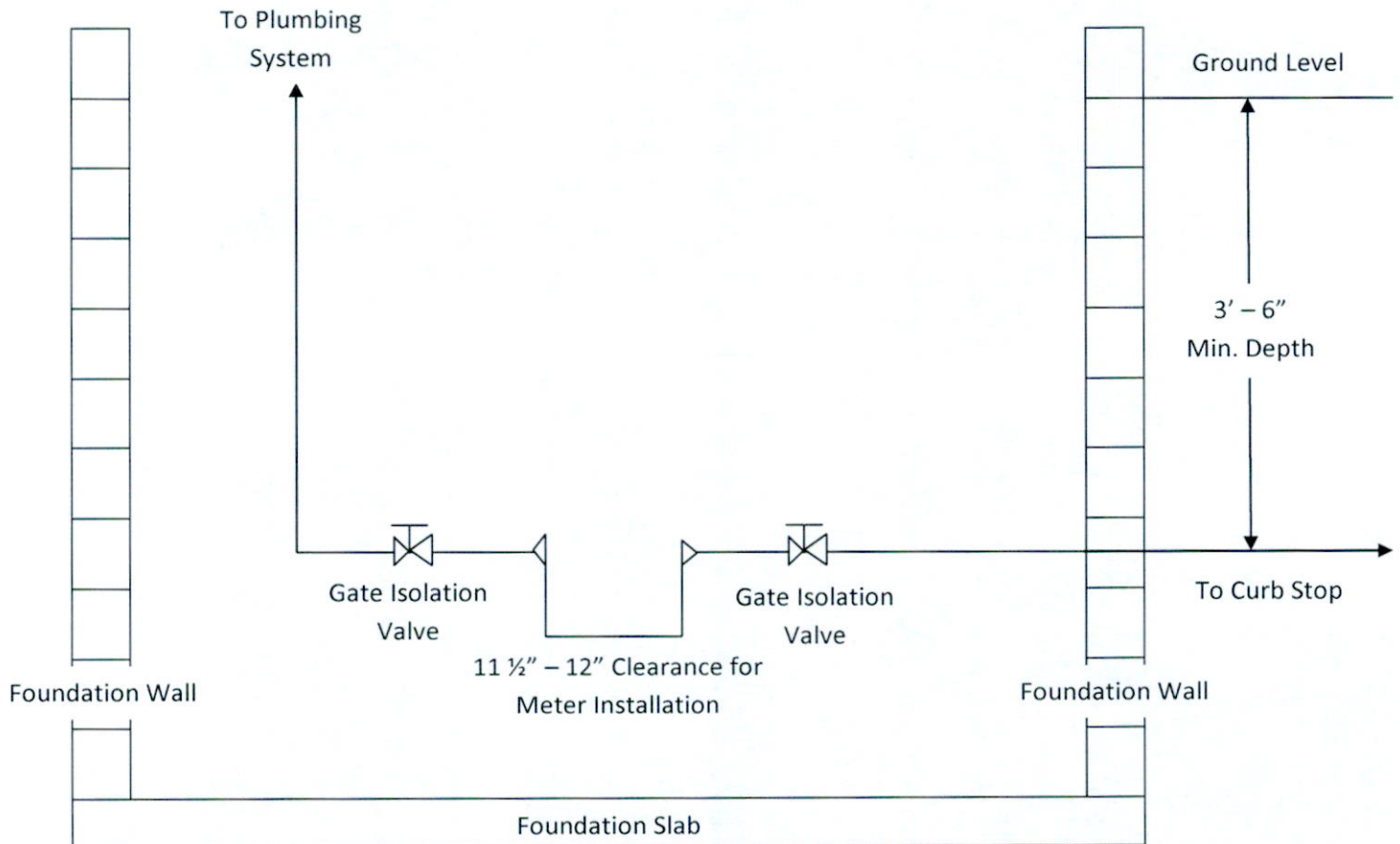
CURB BOXES: Curb boxes shall be located six (6) inches from the property line unless otherwise shown on the plans or ordered by the Engineer. Curb box tops are to be painted blue.

**If you have any questions before the installation,
please call the Service Department at 833-2292.**



CITY OF PICKERINGTON

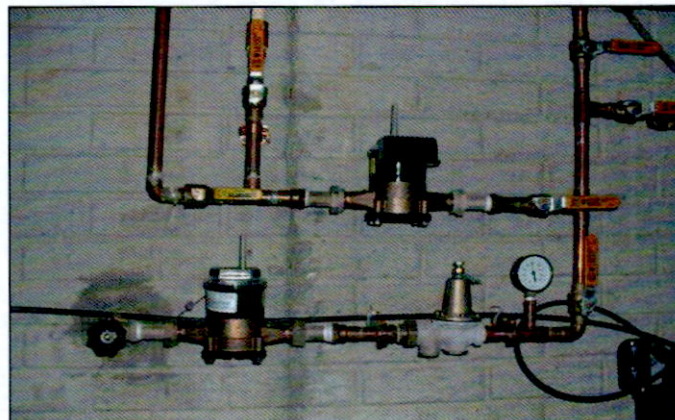
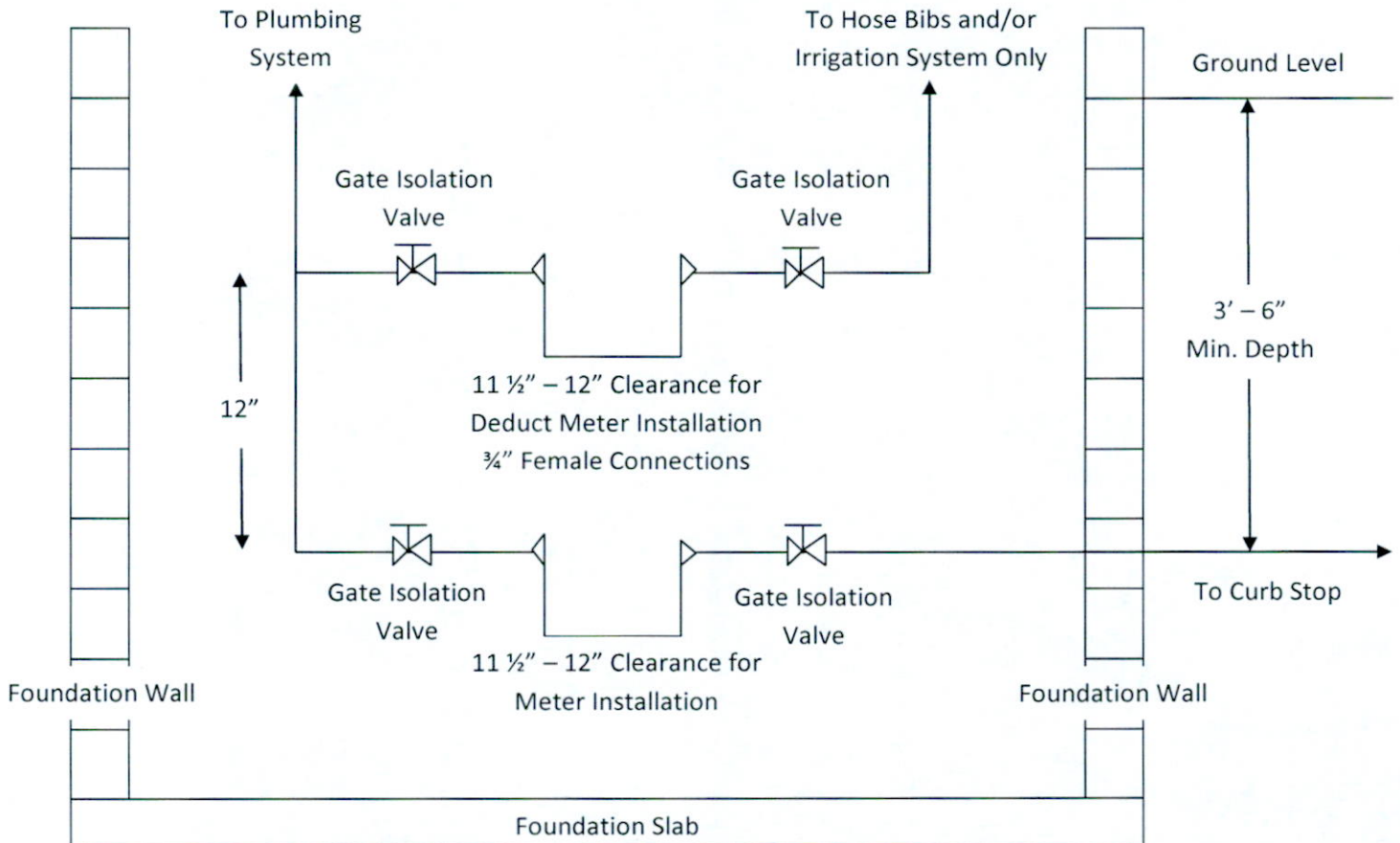
MASTER METER INSTALLATION (FIGURE 1)
Section View (Not to Scale)





CITY OF PICKERINGTON

DEDUCT METER INSTALLATION (FIGURE 2) Section View (Not to Scale)





CITY OF
PICKERINGTON

DEDUCT METER AGREEMENT FORM

Name: _____

Address: _____

Account Number: _____

Irrigation System? YES NO WILL BE INSTALLING
 circle one

I have been advised and understand that the installation and use of a deduct meter does not change the billing rate structure for my water usage, and I will be charged accordingly.

I also have been advised and understand that in the event that an irrigation system is installed a back flow device is required, and the City needs to be informed.

Signature: _____

Printed Name: _____

Date: _____

Signature of City Representative: _____