



CCCHD Plumbing: Homeowner

Here is some information that will be helpful to a homeowner that has decided to do his/her own plumbing. You must submit an isometric drawing of the plumbing (if applicable) that is to be installed and speak with an inspector prior to receiving your plumbing permit. There are usually three plumbing inspections that have to be achieved: 1st and 2nd roughs and the final inspection.

A properly engineered plumbing job will last the life of a house with very little maintenance. Poorly designed plumbing will also be trouble-free for the first few years then will be a constant source of trouble. This office will be as cooperative as possible with the understanding that no final plumbing inspection will be made until the plumbing is installed per plumbing code. Plumbing must be approved for the purpose of obtaining an occupancy permit on new construction from the building department.

To schedule a plumbing inspection, call 24 hours in advance to schedule the inspection at 937-390-5600, extension 251. Then call the morning of the inspection between 7:30 – 9:00 a.m. to confirm your appointment and get an approximate time the inspector will be at the job site at 937-390-5600, extension 251.

Please Note: Primer must be used with glue when using PVC. Lead free solder must be used on water lines.

Sewer lateral new or repair:

Sewer lateral needs to have at least 24" of cover (dirt or gravel)

Materials acceptable to use:

- Schedule 40 PVC
- 3035 PVC pipe
- Cast Iron
- ABS Schedule 40 plastic pipe

Note: Sewer line may be joined by means of a Fernco coupling.

Water service new or repair:

Water service needs to be at least 38-42" deep (fill dirt covering unless soil is rocky-then prefer sand bedding)

Materials acceptable to use:

- 200 PSI plastic pipe-most common (use compression coupling)
- Galvanize pipe (use compression coupling)
- Type K copper pipe (use compression coupling)
- PEX pipe

Note: A ball valve must be placed on water service line at entrance to structure.

Water meter settings per jurisdiction; contact your utility service center. (See below)

Springfield – (937) 525-5800
New Carlisle – (937) 845-9492
South Charleston – (937) 462-8888
Catawba – (937) 828-1438

County Utilities – (937) 521-2150
Enon – (937) 864-7870
North Hampton – (937) 215-2623
South Vienna – (937) 568-4311

METHODS OF TESTING

The water rough-in test may be applied to the building sewer, building drainage and vent systems, and building storm drainage in their entirety or in sections. (Ohio Plumbing Code 312.2.1)

Rough-In Water Test: (OPC 312.2.1)

- (1) The building sewer shall be tested by:
 - (a) Inserting a test plug at the point of connection with the public sewer or individual sewage treatment plant.
 - (b) Filling to produce a 10' head of water.
- (2) Test applied to the entire system:
 - (a) Close all openings in the piping except the highest opening.
 - (b) Fill the system to the point of overflow.
- (3) Test applied in sections:
 - (a) Close each opening except the highest opening of the section under test.
 - (b) Fill and test with at least a 10' head of water.
 - (c) In testing successive sections at least the upper 10' of the next preceding section shall be tested so that each joint or pipe in the building, except the upper most 10' of the system shall have been submitted to a test of at least a 10' head of water.
- (4) The system, or the portion under test, shall be filled and maintained at the test level at least 15 minutes prior to the start of the inspection. The system shall be watertight at all points.

Final Test: (OPC 312.4)

The final test on the plumbing system shall be subject to one of the following final tests:

Visual and operational final test. All plumbing fixtures shall be operated and a visual inspection of accessible piping and joints shall be performed to determine that there are no visible leaks.

Drainage and vent final test. The final test of the completed drainage and vent system shall be made, after the fixtures are connected, as follows:

- (1) Close stack.
- (2) Apply air pressure to entire drainage and vent system or to sections thereof equivalent to at least 1" water column.
- (3) Maintain this pressure starting 15 minutes before inspection.
- (4) Test shall indicate system to be tight at all points.

Note: Water heater temperature must be set high enough to permit the pressure balance shower valve to be set to a maximum temperature of 115 degree.

Outside Water Service and Sewer Lateral Inspections:

Water service: We will need to see all connections to verify proper material was used and joining method is approved. We will need to make entry into structure to verify proper ball valve was used.

Sewer lateral: We will need to see all connections to verify proper material used and joining method is approved. We only need to make entry into structure if sewer lateral was brought into the structure.

Any questions, contact the Clark County Combined Health District at 937-390-5600, Monday – Friday 7:30 am to 5:00 pm.