

Sangamon Valley  
Public Water District

Mahomet, Illinois

Notes for Contractors Regarding Installation of Water and Sewer Connections

1. Water service lines shall be 1" CTS, HDPE pipe, type SDR-9, minimum 200 psi. **COPPER WATER SERVICE LINES NOT PERMITTED.** Minimum cover for water service lines is 48". Water service lines into the house must be equal to or less than the minimum of 1". No oversized water services are permitted unless the builder is willing to go back to the water main and properly install an oversized connection.
2. All connections with the HDPE pipe must be made using brass compression type fittings as manufactured by the Ford Meter Box Company or an equal approved by the district and must use a stainless steel insert in the HDPE pipe. No "barbed" fittings or hose clamps will be accepted. (The district has these materials available for sale at the district office located at 709 N. Prairieview Road, Mahomet)
3. Water meters must be purchased from the district. Please contact the district prior to meter "rough-in" because meters are sold in kit form, which include the valves and meter connections. In order to have the kits ready, we must know where the water service line is coming to the meter – through the floor or through the wall. Meter valves must be a minimum 600 WOG ball type valves and may not be "sweat" type.
4. If the home is designed with a crawl space, the master meter connection must be on the ground floor. The installation can be in a furnace room or closet as long as it is easily accessible. Meters are sold with "contractor" heads attached. At the time the house is sold, the district will remove the contractor head and install a generator unit, which requires a wire or conduit through the siding to the outside for the installation of the remote reader. The builder can be required to remove siding and inside trim if the district staff is unable to properly install the remote reader.
5. The district allows the installation of a second meter for outside faucets. Please allow for the installation of these meters during plumbing "rough-ins" as changes after the house is finished are very costly. Meters for inside and outside use must be located in the same place. This installation is optional but is much appreciated particularly in up-scale homes where lawn watering may be an option.
6. **Do not** ground the electrical system to the water system. Electrical contractors should install an outside ground rod. Even with a ground rod, grounding of the electrical system to the water system is prohibited.

7. No building drains will be allowed below the ground floor. If the home is designed with a basement and plumbing fixtures are designed for the basement, an approved injector pump must be used to elevate the waste to ground level.
8. Minimum material requirements for outside building drains shall be 4" schedule 40 solvent weld PVC pipe.
9. Minimum cover for outside sewer service line shall be 30". Slope for these line shall be not less than 1/8" per foot and not more than 1/4" per foot. All "drops" shall be made at the sewer main line not at the house.
10. All outside installations, both water service lines and sewer service lines, shall be inspected by district personnel prior to backfill. No inspections will be made after normal working hours ( 8:00 a.m – 4:00 p.m.) or on weekends or holidays.