

WATER & SEWER SERVICE INSTALLATION REGULATIONS & GUIDELINES

FOR CONTRACTORS

WATER INSTALLATION

- WATER SERVICE LINES SHALL BE 1” CTS, HDPE PIPE, AND TYPE SDR-9, MINIMUM 200 PSI. □ **COPPER WATER SERVICE LINES ARE NOT PERMITTED.**
- MINIMUM COVER FOR WATER SERVICE LINES IS 42”
- WATER SERVICE LINES INTO THE HOUSE MUST BE EQUAL CURB VALVE SIZE – **NO OVERSIZE OR UNDERSIZE WATER SERVICES ARE PERMITTED UP TO THE METER UNLESS THE BUILDING IS WILLING TO GO BACK TO THE WATER MAIN AND PROPERLY INSTALL THE SAME SIZE CONNECTION.**
- **THE DISTRICT REQUIRES THE INSTALLATION OF A SECOND METER FOR OUTSIDE WATER USAGE.** 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.
- **ALL OUTSIDE INSTALLATIONS, BOTH WATER SERVICE LINES AND SEWER SERVICE LINES, SHALL BE INSPECTED BY DISTRICT PERSONNEL PRIOR TO BACKFILL.**

SEWER INSTALLATION

- **THE DISTRICT MUST INSPECT BELOW-GRADE SEWER DRAINS PRIOR TO FOUNDATION COMPLETION.** 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. NO WATER-OPERATED SEWAGE EJECTOR SUMP PUMPS SHALL BE USED.
- **4” SEWER LINE MUST RUN THROUGH THE WALL**

- MINIMUM MATERIAL REQUIREMENTS FOR OUTSIDE BUILDING DRAINS SHALL BE **4” SCHEDULE 40 SOLVENT WELD PVC PIPE.**
- **MINIMUM COVER FOR OUTSIDE SEWER SERVICE LINE SHALL BE 30”.** SLOPE FOR THIS LINE SHALL NOT BE LESS THAN 1/8” PER FOOT AND NOT MORE THAN ¼” PER FOOT. ALL “DROPS” SHALL BE MADE AT THE SEWER MAIN LINE NOT AT THE HOUSE.
- ALL SEWER MANHOLES, WATER BUFFALO BOXES, AND CURB VALVE BOXES WILL BE FINISHED AT GRADE.
- **ALL OUTSIDE INSTALLATIONS, BOTH WATER SERVICES LINES AND SEWER SERVICE LINES, SHALL BE INSPECTED BY DISTRICT PERSONNEL PRIOR TO BACKFILL.**

GENERAL INSTALLATION REGULATIONS

- TRACER WIRE 16 GAUGES SOLID WIRE TO BE INSTALLED TO THE METER. □ 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”** FITTING OR **HOSE CLAMPS** WILL BE ACCEPTED.
- 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 A RADIO READ GENERATOR UNIT WITH NO ADDITIONAL WIRES REQUIRED FOR INSTALLATION OF METER UNITS.
- **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.
- INSPECTIONS WILL ONLY BE MADE DURING NORMAL BUSINESS HOURS. MONDAY – FRIDAY FROM 8:00AM – 12:00PM & 1:00PM – 4:30PM. INSPECTIONS WILL NOT BE MADE DURING CLOSED HOURS, ON THE WEEKEND, OR HOLIDAYS.

METER REGULATIONS & SERVICE

1. 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 READ, 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.

2. UPON PURCHASE OF WATER METER FOR NEW HOME INSTALLATION THE BUILD IS REQUIRED TO COMPLETE AN APPLICATION TO OPEN A NEW WATER SERVICE ACCOUNT. CURRENT DISTRICT WATER RATES WILL APPLY AS FOLLOWS: ANY WATER USAGE AT ALL DURING A BILLING CYCLE WILL BE BILLED THE MONTHLY MINIMUM FOR THE FIRST 2,000 GALLONS OF USAGE AT \$21.50 AND \$8.80 FOR EVERY 1,000 GALLONS OF WATER THEREAFTER.
3. WATER SERVICE TO NEW HOMES CAN ONLY BE TURNED ON BY DISTRICT PERSONNEL. ANYONE TURNING ON WATER SERVICE TO A NEW HOME WITHOUT DISTRICT APPROVAL WILL BE SUBJECT TO REGULATIONS RELATED TO ILLGEAL TAMPERWITH WITH A PUBLIC WATER SUPPLY ORDINANCE AND WILL BE SUBJECT TO FINES AND OTHER CONSIDERATIONS.

DISTRICT INSPECTION PROCEDURES

These are the procedures and check-offs the District uses to determine if the installation has passed inspection.

SEWER INSTALLATION – INSIDE

- ✓ INSIDE INSTALLATION IS TO BE CHECKED DURING ALL PHASES OF CONSTRUCTION
- ✓ NO FLOOR DRAINS WILL BE ALLOWED BELOW THE GROUND FLOOR WITHOUT GOING TO INJECTOR PUMPS
- ✓ HOMES WITH BASEMENTS MUST USE APPROVED INJECTOR PUMPS. NO WATER OPERATED SANITARY PUMPS
- ✓ GROUND WATER SUMP PUMPS WILL NOT BE CONNECTED TO THE SEWER AT ANY TIME
- ✓ LINES IN BASEMENTS ARE TO BE INSPECTED BEFORE THEY ARE CEMENTED OVER

SEWER INSTALLATION – OUTSIDE

- ✓ SEWER TAPS ARE TO BE MADE WITH RUBBER “FERN-CO” COUPLINGS. NO CEMENT
- ✓ SEWER LINES ARE TO BE 10 FT. FROM WATER LINES AND 18 INCHES BELOW WATER LINES
- ✓ MINIMUM SEWER SERVICE LINES SIZE IS 4INCH SCHEDULE 40 SOLVENT WELD PVC PIPE

- ✓ MINIMUM DEPTH IS 30 INCH SLOPE SHALL NOT BE LESS THAN ¼ INCH PER FOOT FOR 4" PIPE OR LESS THAN 1/8 INCH PER FOOT FOR 6" IPE
- ✓ NO 90 DEGREE TURNS
- ✓ PIPE SHALL BE BEDDED WITH SAND OR PEA GRAVEL AND COVER PIPE
- ✓ SERVICE LINE IS TO GO THROUGH THE WALL
- ✓ ALL LINES ARE TO BE INSPECTED BEFORE THEY ARE COVERED UP

WATER INSTALLATION

- ✓ SERVICE LINE TRENCH IS TO BE MINIMUM OF 42 INCHES DEEP ✓ SERVICE LINE IS TO BE 1" CTS, SDR9, 200 PSI. NO COPPER AT ALL ✓ 16 GAUGE SOLID COPPER TRACER WIRE IS TO BE USED. TRACER WIRE IS TO BE ON THE OUTSIDE OF THE CURB BOX
- ✓ SERVICE LINE MAY NOT BE UPSIZED FROM CURB BOX SIZE. NO BARB FITTINGS
- ✓ GET CURB BOX LOCATION MEASUREMENT AND DRAW A MAP
- ✓ CHECK CURB BOX OPERATION
- ✓ SPOT CHECK INSIDE DURING CONSTRUCTION FOR PROPER METER CONNECTIONS; NO JUMPER