

## **BUILDING SEWERS, PERMITS AND CONNECTIONS**

City Ordinance 38-Sewers, Article VII

### **Sewer Tap-In Connection Instructions**

The sewer from building to main sewer, must be constructed of vitrified clay pipe conforming to ASTM-C-700 (latest revision), cast iron soil pipe conforming to ASTM-A-74 (latest revision), or ASTM-C-S64 (latest revision) or type PSM Polyvinyl Chloride (PVC) sewer pipe conforming to ASTM-3034 (latest revision) with a minimum dimension ratio (DR) of 35, or ASTM-F789-82 with Elastomeric Gasketed Joints.

When the building sewer is to be constructed with type PSM Polyvinyl Chloride (PVC) sewer pipe, then said sewer shall be laid with a minimum of two (2) inch thick bedding of an approved three-eighths ( $\frac{3}{8}$ ) inch minimum granular material to the center line of the pipe with the same material. The entire length of the building sewer shall be left at this stage until inspected by the Inspector. A proper quantity of the bedding material shall be available at the job site to provide a minimum of two (2) inch cover of the building sewer after approval of the Inspector.

The tap, pipe and fitting shall be visible to the Inspector.

Minimum pipe size shall be four (4) inches in diameter for residential and six (6) inches for duplexes, apartments, business', schools and churches.

Clean Outs – one within five (5) feet of building foundation then one every 100 feet and one at each turn over 60°.

The sewer piping shall not be reduced in size in the direction of flow. No fitting having a hub in the direction opposite to flow. The sewer piping shall be at least 1% per 100 feet of slope.

The sewer connection into the city shall be made at the “Wye” or “Tee” branch designated for that property if available. Where the “Wye” or “Tee” branches are not available, connections shall be made using approved drilled or sawed tap and saddle. **BREAKING OF SANITARY SEWER WILL NOT BE ALLOWED.** Procedures set forth in appropriate specifications of ASTM and WPCF manual of Practice No. 9 shall be followed at all times. **ALL SUCH CONNECTIONS AND MATERIALS MUST BE APPROVED BY THE SUPERINTENDENT OF SEWERS OR HIS AGENT BEFORE INSTALLATION** (there are certain areas of the city where special tapping devices must be used). The cut out tap material shall be removed from the city line and be available for inspection by the City Inspector.

A call should be made to the Wastewater Treatment Plant at 233-7146 the day before sewer construction work begins. Another call to the Wastewater Treatment Plant will be required, when all of the work is completed to specifications, for final inspection. The inspection will be made within one (1) hour of the request, if possible. **Any calls after 3:00 p.m. for inspections, will be scheduled on the next business day.**

Any sewer connection that has been backfilled prior to inspection will result in the building sewer being excavated and another inspection fee paid at the contractor's expense.

## Sewer Repairs

Materials specification and backfilling requirements are the same as sewer connections. Fernco couplings shall be used where necessary.

The existing tap will be used when possible.

If a new tap is needed, the tapping procedures already set forth shall be followed, and a new tap fee will be paid. The old tap or lateral will be properly capped-off and inspected, (SEE CAP-OFF INSTRUCTIONS).

The repair excavation will be left open for inspection and the same procedures followed for inspection request.

Any repair not inspected, will be excavated at the contractors expense.

## Sewer Cap-Offs

During the course of the demolition when the sanitary sewer is uncovered, the opening will be plugged and repaired. The sanitary sewer pipe will have six (6) inches exposed and cleaned at the point that the cap will be made. The cap will be left open until the Inspector arrives and then the sewer opening will be plugged in the presence of the Inspector.

Hydraulic cement or equivalent will be used to plug the sewer line.

Any gutter drains suspected to be connected to the sewer shall also be capped in the same manner.

The plug should be given time to set before being disturbed or covered.

A call should be made to the Wastewater Treatment Plant at 233-7146 the day before demolition work begins. Another call to the Wastewater Treatment Plant will be required when the cap-off is to be inspected. The inspection shall be made within one (1) hour of the request if possible. **Any calls after 3:00 p.m. for inspections, will be scheduled on the next business day.**

Demolition where a septic tank is found, will be handled in the following manner:

- The tank will be emptied, a side broken out, then
- An inspection by the City Sewer Inspector will be made before backfilling.

Any demolition completed and sewer cap or line covered prior to inspection, will be excavated at the contractor's expense.