

**Liberty County Utilities**  
**P.O. BOX 70**  
**New Waverly, TX 77358**

**Rule and Regulations**  
**Governing**  
**Homes and Commercial Sewer Lines and Connections**

1. All water and sewer lines shall be in separate trenches with a minimum lateral horizontal separation of nine (9) feet from outside of pipes.
2. All sewer lines shall be installed in a trench with a minimum width of twelve (12) inches and the beginning of the pipe must have 2" cover at house. The pipe shall be embedded up to its centerline or spring line after installation and verification of the proper grade. Bedding and embedment shall be with granular sandy materials without excessive clay content or fines.
3. All sewer lines shall have the correct grade or fall away from the building and shall be inspected prior to being covered. Water meters shall remain locked and off until the sewer line is installed and has passed inspection and is properly backfilled and covered.
4. The District's personnel or their authorized representatives shall have access to the cleanout near the property line at all times for maintenance and inspection. The property owner shall have the responsibility for maintaining the cleanout and insuring that the plug is securely in place at all times to prevent the entrance of storm water or sediment (unauthorized discharges).
5. For new construction, the sewer line shall be installed with proper grade from the District's connection at the property line to the building prior to inspection by the District. It shall be left uncovered for inspection.
6. All pipe joints including the cleanout adapters shall be securely glued in place prior to inspection.
7. Provide a minimum of six (6) inches of straight pipe between each fitting. All bends shall be 45 degrees or less.
8. If the sewer installation fails to pass inspection, the property owner shall reschedule and pay \$25.00 for another inspection. For new connections, the water service shall not start until the sewer has passed inspection.

## Liberty County Utilities

The following regulations are to govern the installation of all sanitary connections within the Subdivision.

### **I. Service Line**

A. Service Line is defined as the sewer from the foundation of the house or commercial building to the sewer line owned by the District.

B. Only one service line connection to the District's sanitary sewage collection system is permitted for each residence or commercial buildings.

C. Only the following types of pipe and fitting materials are approved for construction service lines. Pipe and fittings in each individual service line will be of identical material.

1. Poly (vinyl chloride) (PVC) pipe conforming to ASTM specification D3034 and installed according to ASTM 2321, SDR 35 or better.

D. Minimum sizes of service lines shall be as follows:

1. Residential – 4 inches in diameter.
2. Commercial- 6 inches in diameter.

E. Minimum grades for service lines shall be as follows:

1. 4-inch pipe- one foot drop per hundred feet (1%).
2. 6-inch pipe- six inches drop per hundred feet (0.5%).
3. 8-inch pipe- four inches drop per hundred feet (0.33%).

F. Maximum grades for service lines shall be as follows:

1. 4- inch pipe- maximum drop of 24" per hundred feet.
2. 6- inch pipe- one and one- half feet drop per hundred feet (1.5%).
3. 8-inch pipe- one foot drop per hundred feet (1%).

G. Construct service lines to true alignment and grade. Warped and sagging lines will not be permitted.

## II. CONNECTION OF BUILDING SEWER OUTLET TO SERVICE LINES

- A. Building tie-on connection will be made directly to the stub-out from the building plumbing at the foundation on all water outlets.
- B. Watertight adapters of a type compatible with the materials being joined will be used at the point of connection of the service line to the building plumbing. No cement grout materials are permitted.
- C. Existing "wye" and stack connections must be utilized for connection of the service line to the sewer main unless the District's operator permits and exception.

## III. FITTINGS AND CLEANOUTS

- A. No bends or turns at any point will be greater than 45 degrees.
- B. Each horizontal service line will be provided with a clean out at the structure and at the main connection.
- C. Each cleanout will be installed so that it opens in a direction with the flow of the waste and except in the case of "wye" branch and end-of-the-line cleanouts, cleanouts will be installed vertically above the flow line of the pipe.
- D. Cleanout will be made with airtight mechanical plug.

## IV. CONNECTION PERMIT

- A. Application for Sanitary Sewer Service must be filed prior to construction of the service line. (Applicant forms are available from the District's office.) Construction must not begin until authorized by the District.
- B. When the service line is complete, and prior to back filling the pipe trench, the applicant for sewer service shall request an inspection of the installation. Requests for inspections shall be made to the District's operator twenty-four (24) hours in advance of the inspection.
- C. The physical connection to the District's sewer main will be made by use of an adapter of a type compatible with materials being joined. The connection shall be watertight. No cement grout materials are permitted.
- D. All cleanout caps must be glued in place and have a threaded plug that will screw out of adapter for the lines to pass inspection.
- E. Backfilling of the service line trench must be accomplished within twenty-four (24) hours of inspection and approval. No debris will be permitted in the trench.
- F. A connection permit will be granted after inspection confirms that all requirements of these Rule and Regulations have been met.

## V. EXCLUDED FLOW AND WASTE

A. Waste material, which is not biologically degradable, will not be permitted to discharge into the District's sewage facilities, including mud and debris accumulated during service line installation.

B. No downspouts, yard or street drains, or gutters will be permitted to connect into the District's sanitary sewer facilities.

C. Swimming pool connections will not be made to the District's sewer system.

## VI. VIOLATION/ FINES

A. Failure to adhere to the preceding construction regulations will occasion a fine of two hundred dollars (200.00 per violation to be paid by the builder or owner to the District).

## VII. GREASE TRAPS OCMMERCIAL- FOOD SERVICE

A. Any commercial business that will be preparing and/or cooking food shall be required to install a grease trap in accordance with the City of Houston's specifications.

B. The grease trap shall be pumped approximately every 90 days and a copy of the Manifest Report is to be mailed to NCMUD.

C. Failure to comply will result in the District having it pumped at the owner's expense.

