

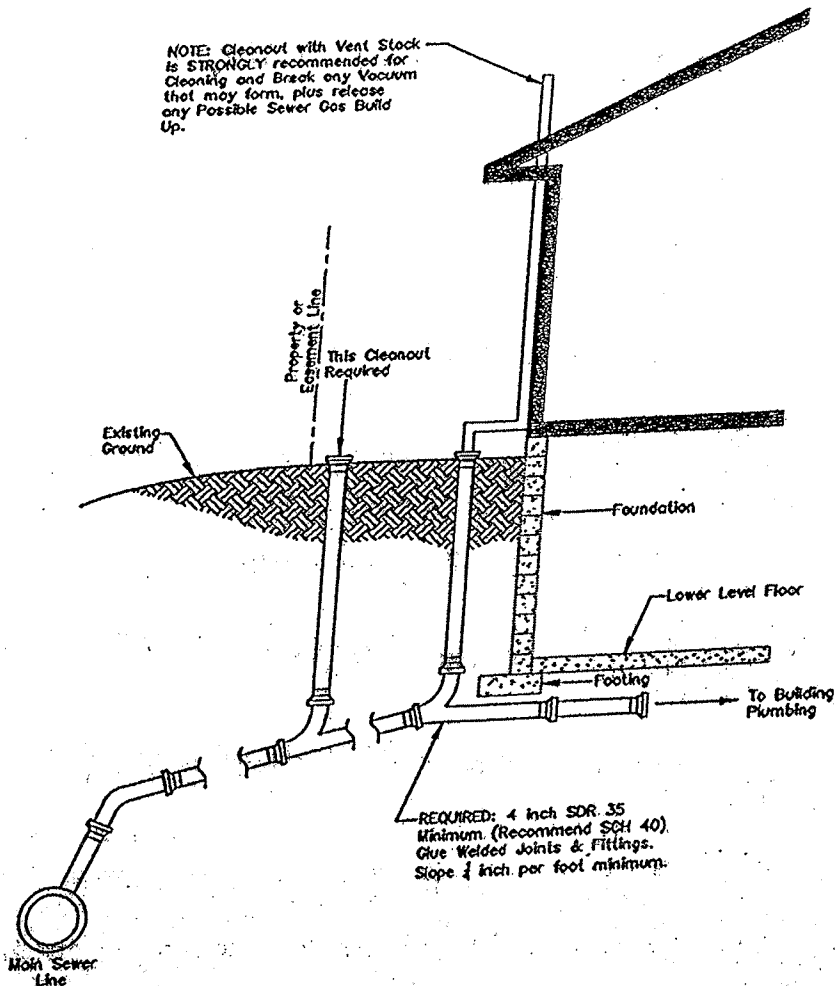
Lubeck Public Service District

Customer Sanitary Service Line Installation Specifications

1. Minimum Pipe size is 4" nominal diameter.
2. Accepted Pipe Specifications:
 - A) SDR 35 PVC (ASTM D3034)
 - B) Schedule 40 PVC solvent weld (ASTMD1785)
 - C) Others may be considered upon request
3. Recommended Minimum Slope ¼ inch fall per linear foot or 2% for 4" pipe. 1/8 inch fall per linear foot for 6" pipe or 1%.
4. Maximum Bend in any one fitting is 45 degree.
5. Transitions between differing types of pipe shall be made with Fernco Couplings or equivalent.
6. A clean out shall be installed at the property line or where the connection to the PSD service line is made.
7. All pipe must be bedded with stable soil backfill or sand. In some situations when maintaining a proper grade is critical, washed stone such as 57 or 67 shale should be used. Rock with a diameter of 1" or greater in the backfill is not acceptable. Pipe must not be laid on a rock trench bottom without proper bedding between the rock and the pipe.
8. All customer service lines must be inspected by Lubeck PSD personnel prior to covering with backfill. The pipe designation must be visible. All inspections are by appointment only. Inspection appointments must be made with at least 24 hours' notice. All inspections will be conducted between the hours of 8:00AM and 4:00PM weekdays except holidays. Contact us at **304-863-3341** to schedule an appointment.
9. Multiple family dwellings shall have a minimum nominal diameter of 6 inches up to 10 units. More than 10 units will require a minimum of 8 inch nominal diameter for a single service line.
10. Miss Utility must be contacted at least 48 hours prior to excavation to locate existing underground utility lines. They can be contacted by calling **811 or 1-800-245-4848**

See reverse for typical drawing details

NOTE: Cleanout with Vent Stack is STRONGLY recommended for Cleaning and Break any Vacuum that may form, plus release any Possible Sewer Gas Build Up.



REQUIREMENTS / SUGGESTIONS

- a) Service pipes should be a minimum 4" diameter. It is recommended that SDR 35 or Schedule 40 PVC pipe be used by the customer to connect to the new sewer system. If SDR 35 is used, you will also need to buy pipe lubricant for the gaskets. If Schedule 40 is used, you will need glue and an adapter or coupler.
- b) The customer's service line must include a cleanout within five feet of the property line (point of service) with the cleanout terminating in an approved box and cover at grade level.
- c) The District recommends that all existing service pipes be replaced to within five feet of the building foundation. Existing terracotta service pipes are considered unacceptable and must be replaced. If the customer insists that his/her present PVC service pipe is adequate and desires proof that it does not need to be replaced, he/she must prepare the line for pressure testing by exposing the line at each end and at some point near the center. The line must maintain a pressure of 3 PSIG for (1) one minute between the dwelling connection and the service lateral connection.
- d) The customer's service pipe should be laid below the frost line of all points and should be placed on firm and continuous earth so as to give unyielding and permanent support; should not pass through premises other than that to be served; and should be installed in a trench of least two feet in a horizontal direction from any other trench wherein gas pipe, water pipe or other facilities, public or private, are or will be installed.
- e) The sewer pipe should have a slope of at least 1/4 inch per linear foot (2% slope). If sewer is laid down a slope of over 20%, anchors should be provided.
- f) Bedding, consisting of sand, pea gravel or crusher run limestone should be provided to cushion the pipe for its entire length.
- g) PVC pipes should have the backfill material compacted to the top of the pipe. If it could be subject to heavy loads, such as under driveways, compaction should be to the top of the ditch. Rocks should be kept from coming in contact with the pipe. The backfill for the first 6 inches over the top of the pipe should be free of rocks.
- h) In cases where there are low grades and extended lines on the property owner's lateral, it is recommended that in-line wye cleanouts be installed. The wyes should open toward the dwelling, permitting a snake to run toward the main collector line.



**E.L. ROBINSON
ENGINEERING**

6066 Washington Street, West
Charleston, West Virginia 25313
Phone: 304-776-7473
Fax: 304-776-6426
www.elrobkneengineering.com

**LUBECK
PUBLIC SERVICE DISTRICT**

SERVICE CONNECTION

DATE:
SCALE:

September 5, 2012
Not to Scale