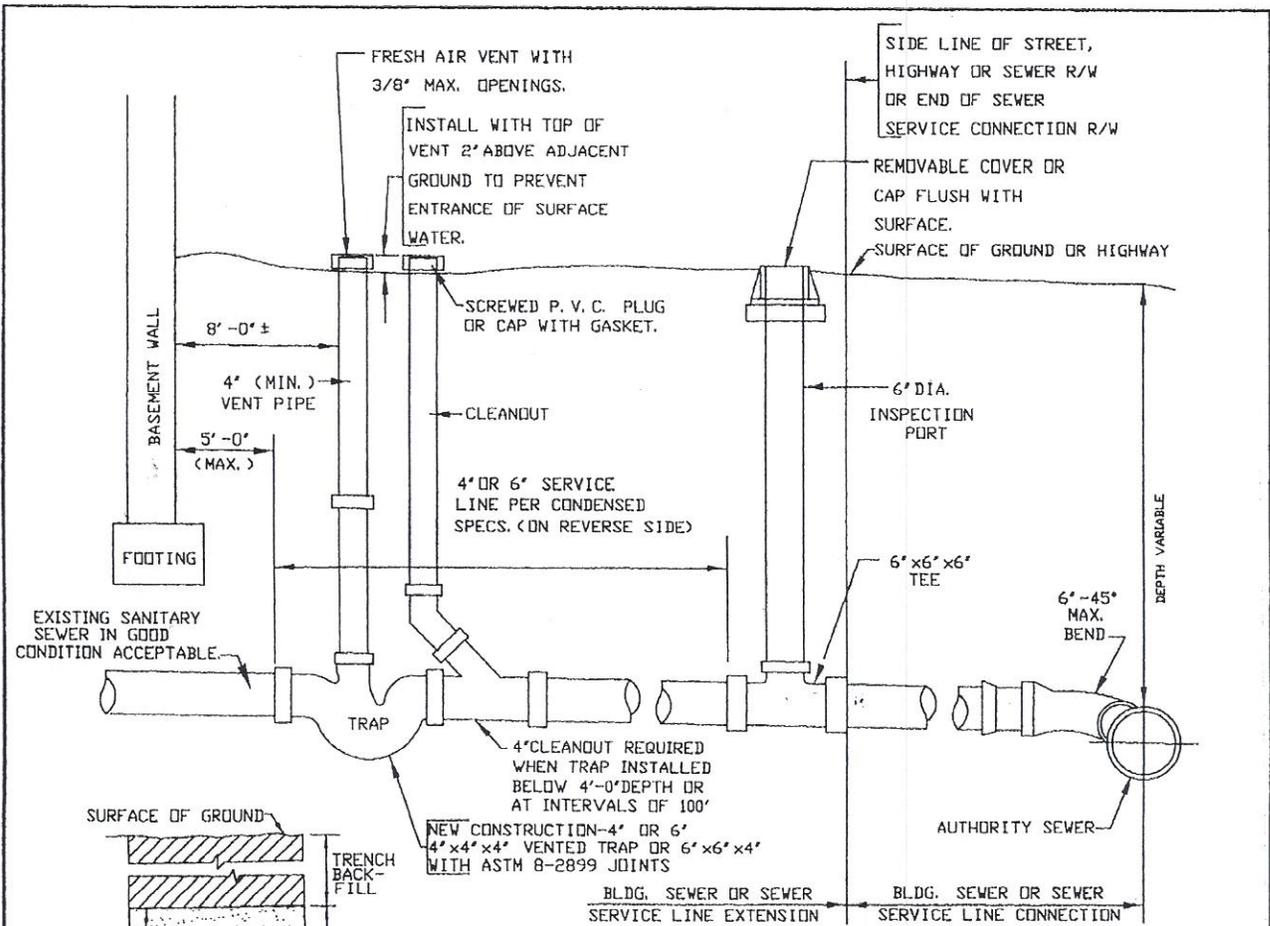


**CITY OF LOWER BURRELL**  
**SERVICE LINE EXTENSION AND SERVICE LINE CONNECTION**  
**CONDENSED SANITARY SEWER SYSTEM INSTALLATION SPECIFICATIONS**

August 2015

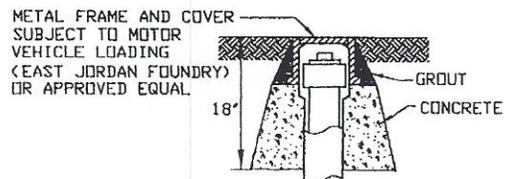
1. **General** – Service line extension shall include: connection to main line, sewer service line, trap with Fresh air vent, cleanout, inspection port, and connection to building sanitary sewer line. No surface water from roof leaders, foundation drain, area drains, or other pipes shall be connected to the sanitary sewer.
2. **Sewer Lateral** – All sewers below floors of building and 5 feet outside the building shall be Ductile Iron Pipe (DIP), Schedule 40 Polyvinyl Chloride (PVC), ABS Sewer pipe, or SDR35 Sewer pipe. A trap with vent shall be installed within 8 feet  $\pm$  of building as shown. A cleanout shall be included on the downstream side of all traps installed below 4 feet in depth.
3. **Size** – All service lines shall be 4 inches or 6 inches in diameter and laid on minimum slope of 1/8 inch per foot.
4. **Cleanouts** – Cleanouts consisting of wye branch, elbow, riser, and watertight cap are required at intervals specified above or at all direction changes greater than 45 degrees. If a cleanout is located in the driveway area, 18" concrete encasements and metal frame cover are required. Cleanout shall be provided at intervals of not more than 100 feet.
5. **View Port** – A 6 inch diameter view port consisting of a 6 x 6 x 6 tee, 6 inch riser and removable cover shall be installed at the property line or edge of right-of-way as shown.
6. **Materials** – All sewer materials shall be as described above for sewer lateral and standard service connection detail.
7. **Installation** – Before digging a trench, the installer shall expose existing building sewer connection and existing building drain. The installer shall verify adequate grade for gravity flow building sewer to main sewer. Trench width shall be kept to minimum width and have uniform slope at approved grade and as near as possible at right angles to the street. Excavate all trenches at least 4 inches below invert of pipe. Place backfill bedding in trench uniformly along both sides of pipe to 12 inches above tope of pipe. In streets an excavation permit is required and 100% stone backfill is mandatory. Compliance with utility notification laws Act 172 and 286 are the excavator's responsibility.
8. **Adapters** – Connection between the plain end of different pipe material shall be made with flexible couplings manufactured by Calder, Fernco, or equivalent (Series 1002 for VCP to PVC, Series 1056 for CIP to PVC).
9. **Inspection** – The City's Public Works Department requires a 24 hour notice (724-889-2007) when the sewer lateral, service line extension and related appurtenances have been installed and prior to any backfill so that the entire installation can be inspected. Final inspection will not be scheduled until all applications for service have been submitted and approved and all tapping fees or other charges due and payable have been remitted to the City. Any re-inspection required as a result of failure to follow this specification shall require a re-inspection fee of \$25 prior to completion of that inspection. No charge for inspections during normal working hours of 7:00 a.m. to 3:30 p.m. Monday through Friday. There will be a \$100 charge for Saturday inspections, and \$150 for Sunday or Holiday inspections.
10. **Final Connection** – If a sewer lateral is not completed to the building at the time of the installation of the building sewer, a temporary plug shall be installed into the end of the lateral and shall not be removed until such time as the connection is made to the building sewer and a City inspector is present.
11. **OSHA Standards** – All excavations shall be performed in accordance with the latest edition of Employer-Employee Safe Practices for Excavation and Trenching Operations.
12. **Inspection Form** – Following the inspection of the service lateral, the property owner or authorized representative (contractor) and inspector shall complete a service lateral inspection form.
13. **Property Owner/Applicant** – Is responsible for installation, maintenance, and repair of the sewer lateral from the "house" to the "main" line to insure proper elevation flow to City Sewer.
14. **Street Opening** – Any excavation through or under public streets or sidewalks requires a street opening permit.



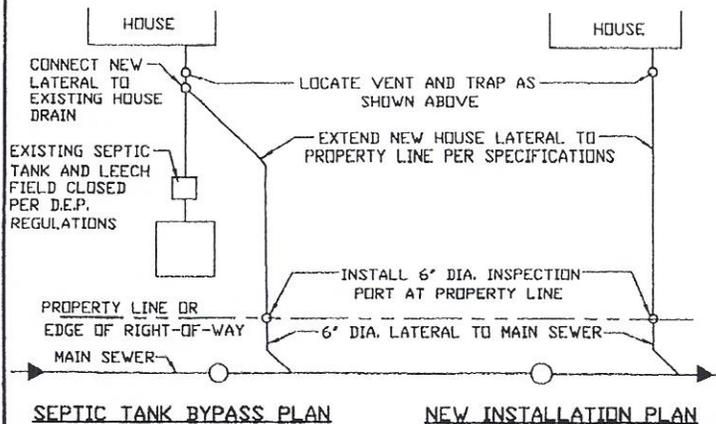
**CONDENSED INSTALLATION SPECIFICATIONS**

SEWER SERVICE LINE AND SEWER SERVICE CONNECTION SHALL BE INSTALLED BY SKILLED WORKMAN AT THE COST OF THE CUSTOMER IN ACCORDANCE WITH RULES, REGULATIONS AND DETAILED SPECIFICATIONS OF THE CITY WHICH ARE CONDENSED AS FOLLOWS. (ON REVERSE SIDE)

**SEWER SERVICE LINE TRENCH CROSS-SECTION**



**CLEANOUT, INSPECTION STACK AND BACKFLOW VALVE DETAIL IN PAVED AREAS OR VEHICULAR TRAFFIC**



**SEPTIC TANK BYPASS PLAN**

**NEW INSTALLATION PLAN**

**STANDARD SEWER SERVICE CONNECTION**

**CITY OF LOWER BURRELL**