

Verification of a non-leaking lateral liner and service connection shall require an air test in accordance with the following specifications. A unit price shall be provided for testing of individual laterals. Lateral air testing shall be performed at the discretion of the Owner on a random basis.

Air Testing Procedure

1. A camera shall be inserted into the lateral pipe via a clean-out upstream of the upper most portion of the cured-in-place lateral liner. The camera is then moved through the lateral pipe until it becomes positioned at the lateral/main connection. The camera is utilized to assist in positioning and placing a pair of plugs in the mainline on either side of the lateral opening. A pair of test plugs with a minimum of a ten-inch clear separation shall be centered on the lateral opening and spanning the brim of the lined connection.
2. Next, an air test plug shall be introduced into the lateral pipe by use of the clean-out opening. The test plug will be placed not more than five inches inside of the cured-in-place lateral liner at its upper most portion.
3. The test plug shall be inflated and sealed against the upper most portion of the cured-in-place lateral liner.
4. The pair of plugs within the mainline are then inflated and sealed across the service connection.
5. Air-pressure not less than 4 PSI shall be introduced through the test plug. The void area between the three plugs shall be pressurized at 4 PSI, held for 3 minutes and during this time the pressure shall not drop below 3.5 PSI.

If an installed cured-in-place lateral liner fails the specified air test, the following corrective measures shall be taken:

1. The cured-in-place lateral liner shall be re-inspected by use of a closed circuit television camera in attempt to identify the defect.
2. Any repairs made shall consist of materials that are structural and meet or exceed the same criteria as the cured-in-place lateral liner is required to meet in a domestic sewer collection system. Such materials shall have a minimum life expectancy of 50 years in accordance with ASTM F-1216-93 Appendix X1. Design Considerations and Appendix X2. Chemical-Resistance Test.
3. Once the defect has been corrected, the renewed lateral pipe shall be re-tested in accordance with the air test procedure as described above.
4. Any corrective measures shall be performed at the contractor's expense.

If any of the random air tests fail, the Owner at its option may require the contractor to test an additional lateral at no additional charge to the Owner. If a second air test shall fail, the Owner at its option may require the contractor to test additional or all of the installed cured-in-place lateral linings at no additional charge to the Owner.