

DOWNERS GROVE SANITARY DISTRICT
DEFLECTION TESTING PROCEDURE

All sanitary sewers constructed of flexible pipe (PVC) which are to be owned, operated, and maintained by the Downers Grove Sanitary District must be tested for deflection in accordance with the following procedures:

1. All sanitary sewers between manholes shall be tested for deflection.
2. The deflection test is to be run using a rigid ball or mandrel with a diameter equal to 95% of the base diameter of the pipe being tested, as established in proposed ASTM D-3034. The test shall be performed without mechanical pulling devices.
3. The individual lines to be tested shall be so tested no sooner than 30 days after they have been installed.
4. Wherever possible and practical, the testing shall initiate at the downstream lines and proceed towards the upstream lines.
5. No pipe shall exceed a deflection of 5%.
6. Where deflection is found to be in excess of 5% of the original pipe diameter, the contractor shall excavate to the point of excess deflection and carefully compact around the point where excess deflection was found. The line shall then be retested for deflection. However, should after the initial testing the deflected pipe fail to return to the original size (inside diameter) the line shall be replaced.
7. All testing must be done in the presence of a District representative.