- Conduct the positive test pressure.
- Conduct the negative pressure test to determine the adequacy of the joint design against infiltration. Apply an external test pressure of 2.0 bar (gauge) to two sections of pipe assembled with a deflected joint for non-pressure pipe system and twice the rating pressure for pressure pipe system in accordance with ASTM D1161.96 Article 7 Laboratory Performance Requirement Item 7.1.1

j) Initial Circumferential Tensile strength.

Determine the initial circumferential tensile strength of pressure pipes in accordance with BS/DIN EN 1394.

k) Rejection

i. Proceed as stipulated below if any pipe or fitting which fails any one of the quality control tests as per this section 2.3.

ii. In the event of a pipe failing any of the tests outlined, carry out the relevant test on a further 120 meters of pipes of that class and diameter as follows:

- Carry out the relevant test on 60 meters of these pipes produced sequentially and immediately prior to the failed pipe and 60 meters immediately following.
- If any one of these test on 120 meters of length fails, cease the manufacturing of pipes of that class and diameter. Discussions will be held between the Contractor and the Engineer to establish the significance of the failures. The suitability of manufactured pipes for the proposed installation conditions will be determined in the light of the test failures and the Engineer reserves the right to reject all the pipes of that class and diameter.

Use the results of appropriate type tests to the proposed pipes and fittings to determine the properties of pipes. Carry out each type test on representative samples of the pipes. If the manufacturer does not have results of these tests available or if alterations are proposed to the method of manufacture, pipe design or laminate structure, carry out all the type tests required by the Engineer to prove the adequacy of the proposed pipes. Conduct the type tests as stipulated in Table 18-4 in accordance with the requirements of the mentioned standards and that