



Figure 7.7: Local and global buckling of pipe wall

The strength limit states design the pipe wall for thrust, combined thrust and flexure, and buckling.

Global buckling can occur across the full wall thickness (i.e., corrugation depth) based on the thrust demand in the wall. The capacity to resist global buckling is based on the moment of inertia of the pipe wall and the stiffness of the supporting embedment soil. The design method includes checks to prevent global buckling.

