

Addendum to BCVSA Gravity Sewer Design Standards

3.3.5 Ground Water Barriers: All sewer main lines shall be designed and constructed with low permeability barriers to prevent ground water from traveling in the trench line. Outside of road areas the barriers shall be constructed of compacted native material, free of organic matter, debris, or other deleterious material. The pipe zone shall be free from all rocks or stones larger than 3/4 inch. The barriers shall be a minimum of 2 feet and a maximum of 4 feet in length, for the full width of the trench. There shall be a minimum of 2 and a maximum of 3 barriers in each pipe reach from manhole to manhole and a maximum distance between barriers of 200 feet.

In roadway areas, the barrier shall be constructed using native material in the pipe zone and a one sack cement slurry above the pipe zone.