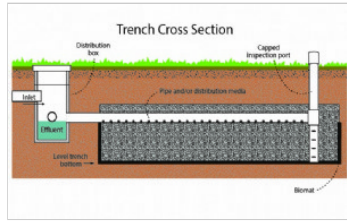


trench

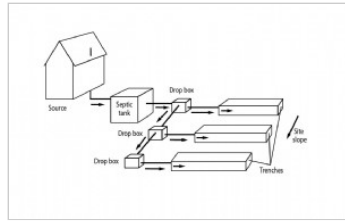
1. soil treatment area (STA) configuration consisting of an excavation with a width of 3 feet or less containing distribution media and one lateral; 2. below-grade soil treatment area consisting of one or more trenches installed in an excavation such that the bottom of the infiltrative surface is typically 18 to 36 inches below original ground elevation; utilizes pressure or gravity distribution; a cover of suitable soil stabilizes the final grade, supports vegetative growth and sheds runoff; 3. excavation in the soil for drainage diversion; 4. excavation for placement of piping, electrical wire or conduit; see also trench excavation.

trench images/graphics:



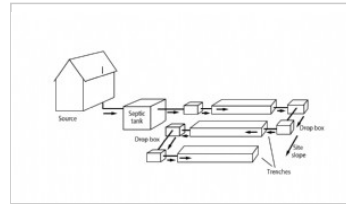
Conventional trench detail profile view

Conventional trench detail, including distribution box, media, piping, inspection port, profile view



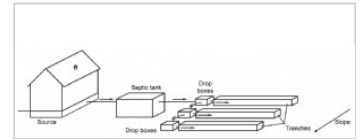
Gravity sequential trenches

Septic tank, drop box, gravity distribution, sequential trenches STA, sloping site

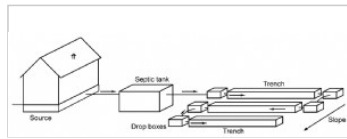


Gravity serial trenches

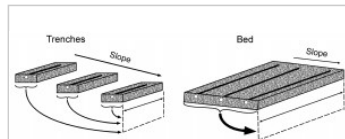
Septic tank, drop box, gravity distribution, serial trenches STA, sloping site



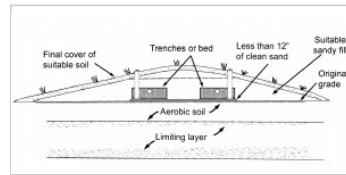
Distribution, sequential



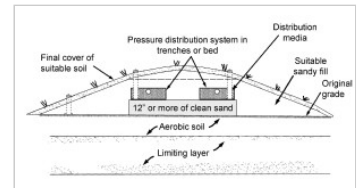
Distribution, serial



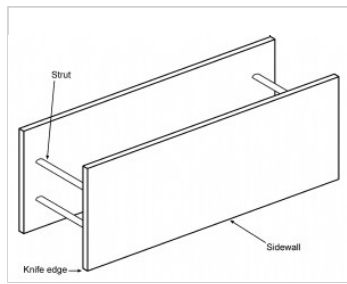
Loading rate, contour - trench and bed



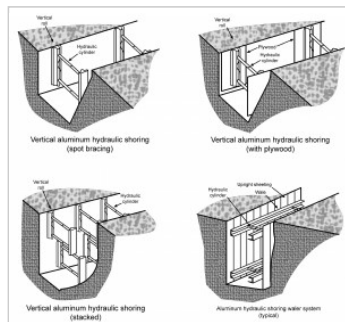
Mound, modified



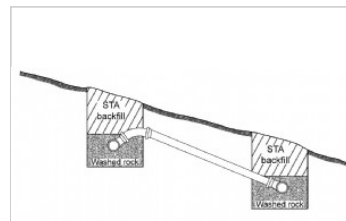
Mound



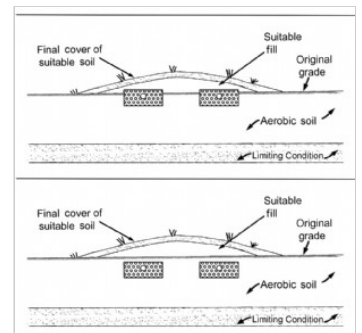
Shield system



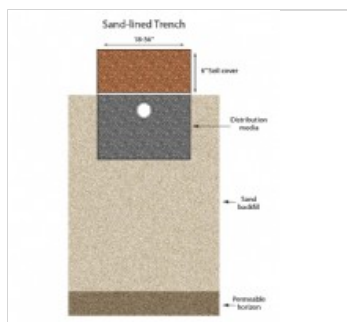
Shoring, aluminum hydraulic



Stepdown

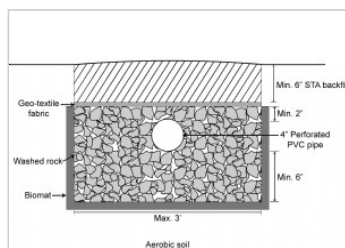


Trench, shallow

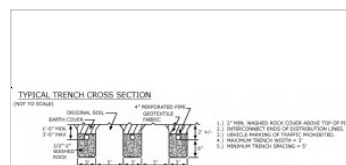


Sand lined trench detail

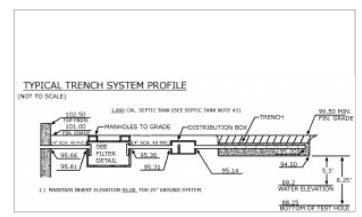
Sand lined trench detail, cross-section view



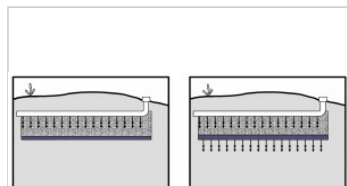
Conventional trench detail



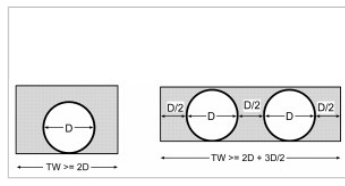
Example soil treatment area cross section construction plan



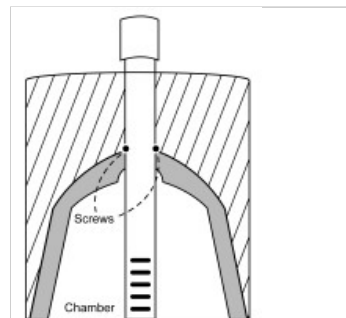
Example treatment train profile construction detail



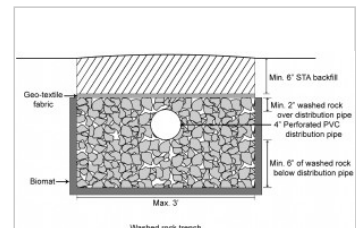
Effluent flow within a pressurized trench



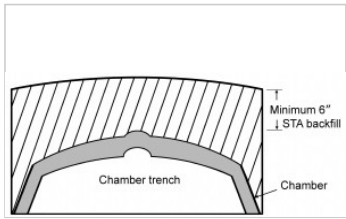
Width of excavation in relation to pipe diameter



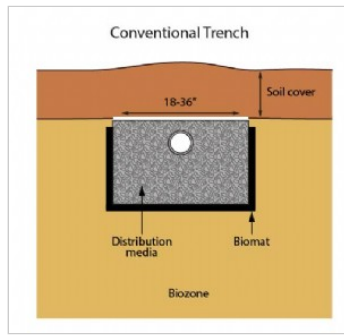
Securing inspection ports in a chamber system



Washed rock trench cross section

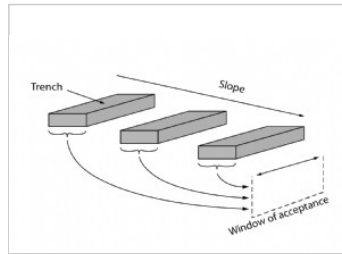


Chamber trench



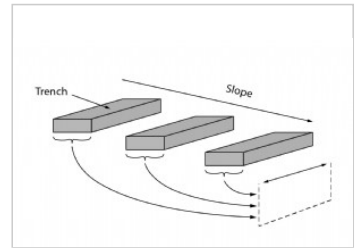
Conventional trench

Conventional trench detail, cross-section view



Contour loading STA trenches window of acceptance

Contour loading to downslope with window of acceptance labeled



Contour loading STA trenches window

Contour loading to downslope with window of acceptance moved away from trench