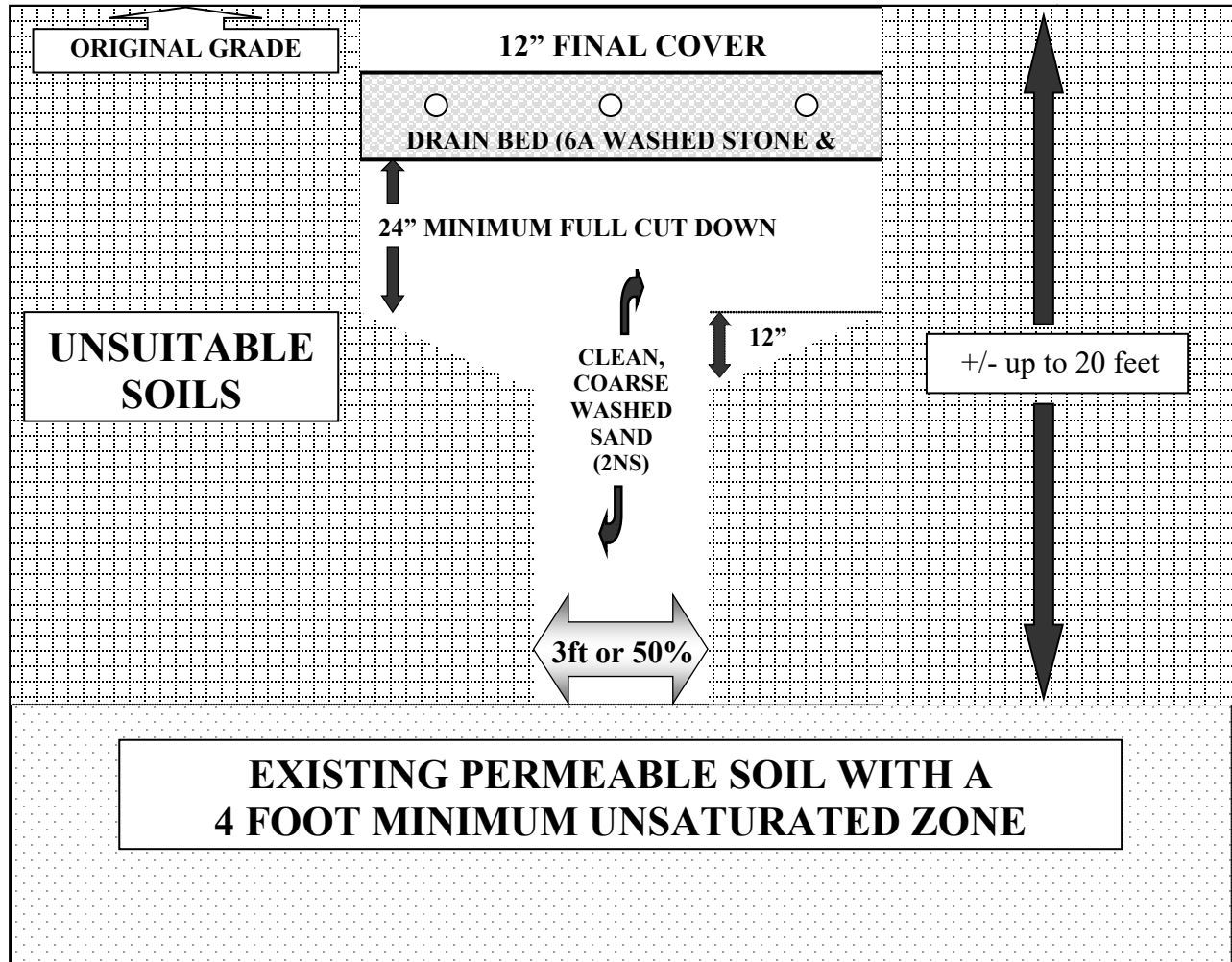


Kent County Health Department
Water Supply / Waste-water Disposal Facility Permit

**PARTIAL CUTDOWN (T-TRENCH) SYSTEM
CROSS SECTIONAL VIEW & SPECIFICATIONS**



COMMENTS:

- Check permit for any site-specific permit requirements and system specifications
- Remove trees and heavy vegetation in proposed bed area.
- Remove all soils from the bed area to a depth of 24 inches below the established bottom of the stone bed. Taper a slope from the side walls of excavation to the center trench allowing for 12 inches of fall.
- Cut the trench down through the unsuitable soils to expose the well-drained sand below. Trench must be a minimum of 3 feet wide. A trench comprising 50% of the width of the drain bed is required within subdivisions/site condos and any parcel less than 1 acre. Consult the permit for trench width specifications.
- Replace all unsuitable soils with clean, coarse, washed 2NS sand.
- Place a 6-inch bed of washed 6A stone over the prepared bed area with bottom of stone no more than 2 feet below existing grade. The stone should be carefully placed with a backhoe to avoid compaction of the fill.
- Cover the laterals with 2 inches of washed 6A stone.
- The cover over the drain bed must be no heavier than a sandy loam, with thickness ranging from 12 inches to 24 inches. Cover may not exceed 3ft.
- Grade system so that surface water sheets off and away from system.
- It is recommended that the bed is covered with geotextile fabric (no heavier than 2 oz/sq. yd.).
- An effluent filter and riser are recommended in the second septic tank.