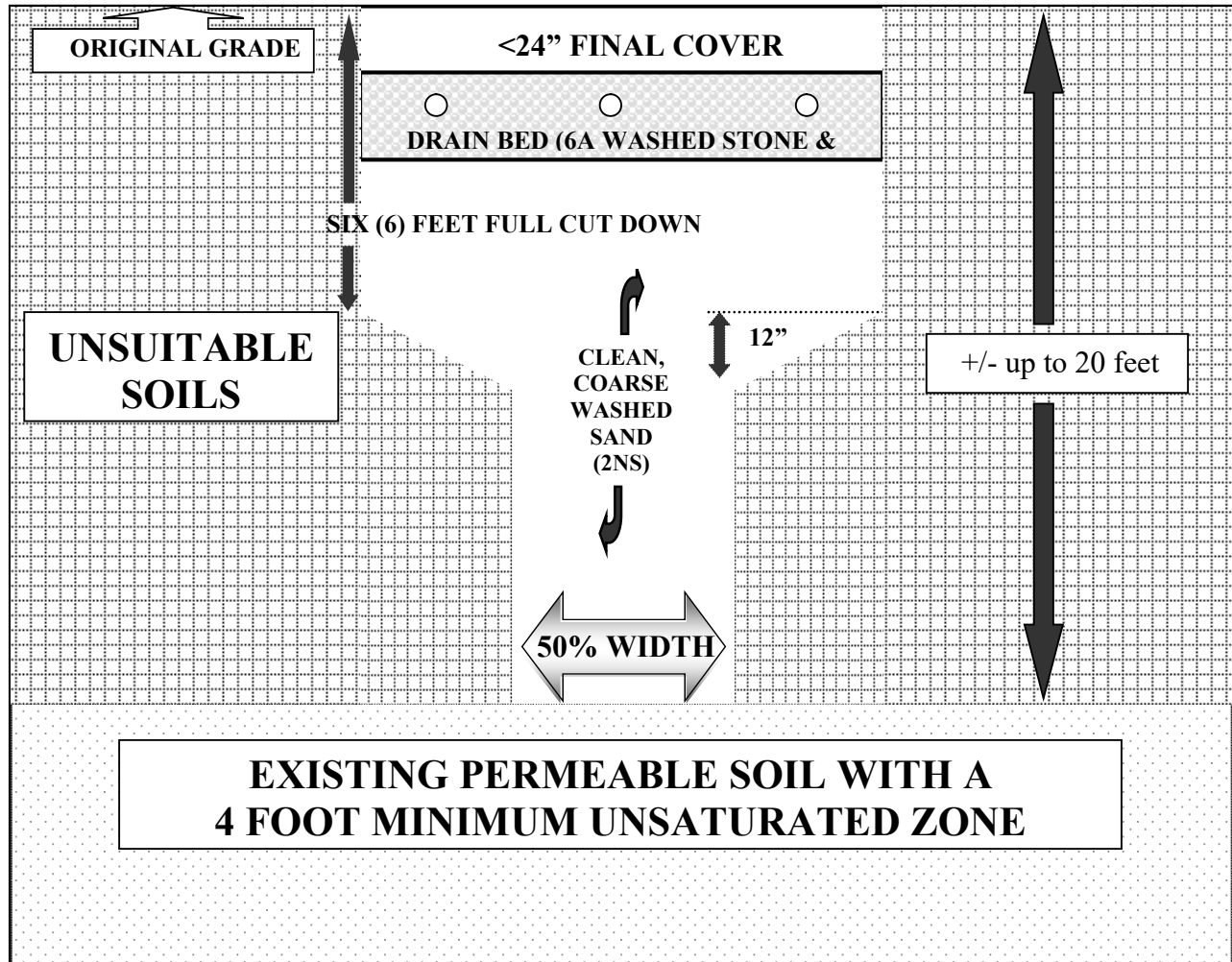


Kent County Health Department
Water Supply / Waste-water Disposal Facility Permit

**DEEP CUT EXCAVATION (T-TRENCH) SYSTEM
CROSS SECTIONAL VIEW & SPECIFICATIONS**



COMMENTS:

- Check permit for any site-specific permit requirements and system specifications
- Remove all soils from the bed area to a depth of 6 FEET below the ground surface.
- 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 at least 50% of the width of the drain bed. Consult the permit for trench width specifications.
- Replace all unsuitable soils with clean, coarse, sand fill (MDOT 2NS specifications)
- Place a 6-inch bed of washed MDOT 6A stone over the prepared bed area with bottom of stone no more than 2 feet below existing grade. Cover the laterals with 2 inches of MDOT 6A stone.
- The cover over the drain bed must be no heavier than a sandy loam, with thickness ranging from 12 to 24 inches.
- 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.