

Inclusion Through Diversity

ENVIRONMENTAL HEALTH DIVISION www.tompkinscountyny.gov/health/eh

Details and Specifications #7 Sand Filter

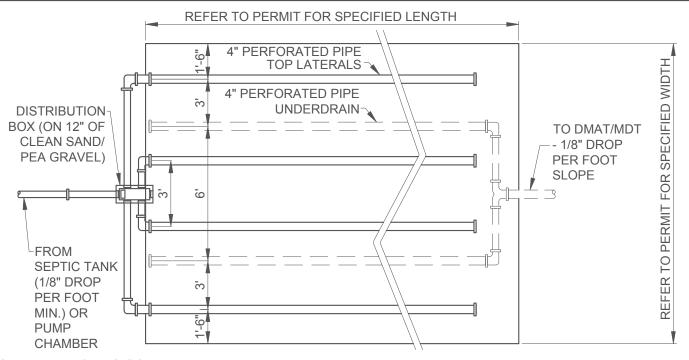
Frank Kruppa Public Health Director

55 Brown Road Ithaca, NY 14850-1247

> Ph: (607) 274-6688 Fx: (607) 274-6695

email: tceh@tompkins-co.org PERMEABLE GEOTEXTILE OR EQUIVALENT 4" PERFORATED PIPE --≥6" **GRADE** GRADE TOPSOIL - 6" TO 12' ≥2" #2 WASHED STONE RATE MPERMEABLE SOII >120 / MIN. / INCH APPROVED SAND (SEE SOURCE SHEET) **PERCOLATION** ES 0.25-1.0mm ≥24" UC ≤ 4.0 1/8"-1/4" PEA GRAVEL OR 1A #2 WASHED STONE 3' 6' ≥24"

SIDE VIEW - NOT TO SCALE



TOP VIEW - NOT TO SCALE

ADDITIONAL SPECIFICATIONS:

- 1. A SINGLE CENTER UNDERDRAIN MAY BE USED WHEN THE FILTER WIDTH DOES NOT EXCEED 12 FEET.
- 2. UNDERDRAIN LINES TO BE CENTERED BETWEEN DISTRIBUTOR LINES.
- 3. ENDS OF ALL PIPES MUST BE CAPPED.
- PERFORATED TOP LATERALS SHALL HAVE 1/16" DROP PER FOOT SLOPE FOR GRAVITY SYSTEMS.

HIGH GROUND WATER

- 5. INSTALL PERFORATED TOP LATERALS LEVEL FOR PUMPED/DOSED SYSTEMS.
- PERFORATED UNDERDRAIN PIPING SHALL HAVE 1/16" TO 1/8" DROP PER FOOT SLOPE.