

Septic Leaching System Repair Plan for: Property of Carmen Phipps 654 Route 6, Andover, CT

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Plan prepared by Jeff Polhemus

Applicant: Skips Wastewater Services

Septic Leaching System Repair

Design Criteria:

4-Bedroom house

Perc rate 10 min./in.

Required ELA = 577.5 SF ELA

Soil restriction:

TP-2 Seepage 48", ledge 60" (lower end)

TP-3 mottling 46"

Slope 9%

MLSS:

$18 \text{ (HF)} \times 1.0 \text{ (PF)} \times 1.75 \text{ (FF)} = 32' \text{ MLSS}$

Proposed:

- * Connect existing 1500-gallon 2-compartment septic tank to new leaching system using 4" Sched. 40 PVC pipe
- * Install 32 LF row of Eljen Mantis DW-100 Leaching units providing 640 SQ FT ELA
(32 LF x 20.0 SF/LF ELA rating = 640 SF ELA).
- * MLSS provided: 32'
- * Mantis units to be installed with sand meeting manufacturer's specifications.
- * Trench bottom elevation to be set to restrictive layer in verification test pit.
- * All topsoil and unsuitable fill to be removed from leaching trench area prior to filling with specified sand.