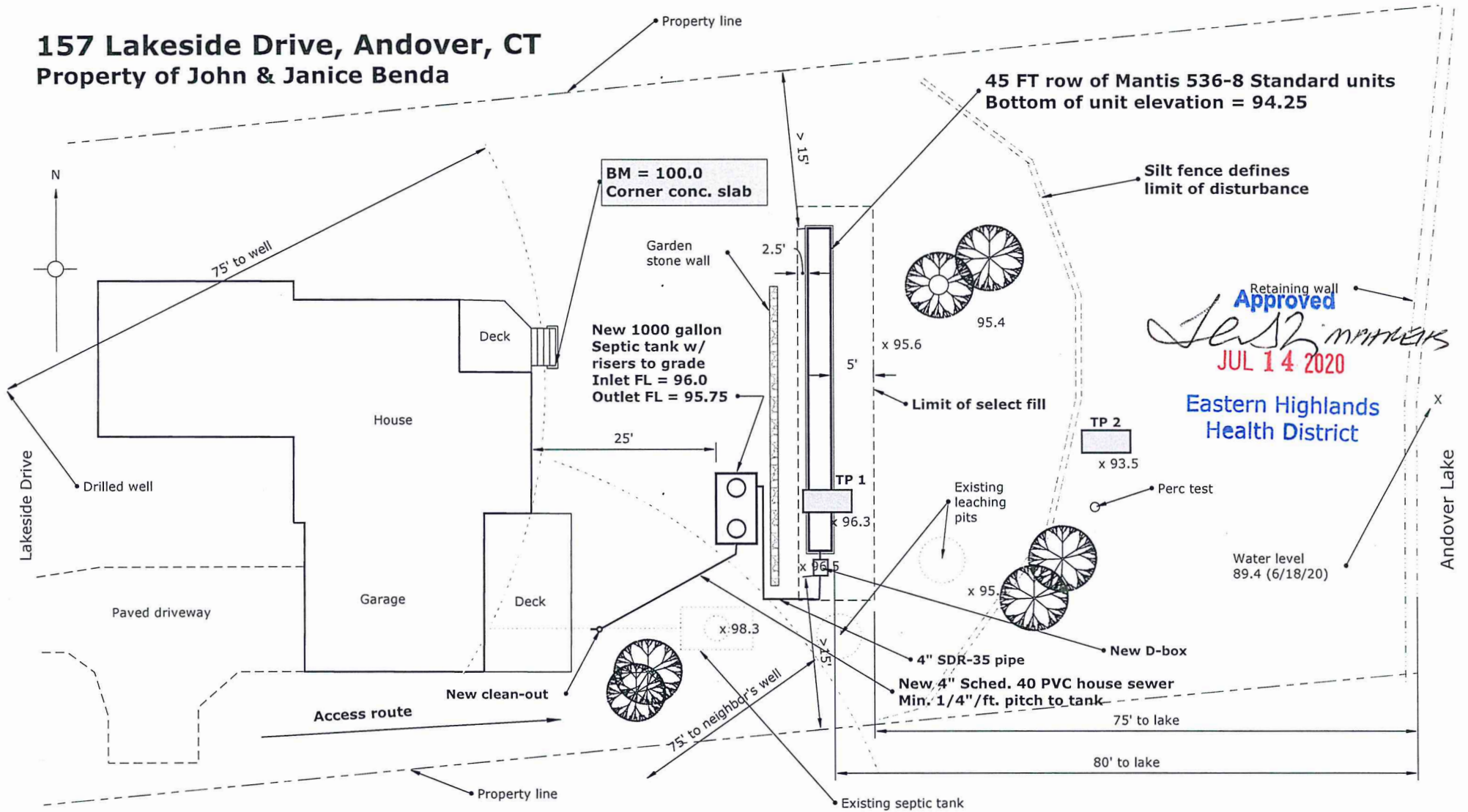


# 157 Lakeside Drive, Andover, CT Property of John & Janice Benda



## Septic system repair Design Criteria:

3-Bedroom house  
5-10 min./in. perc. 495 SQ FT ELA Required,  
Soil restriction: 45" mottling TP 1 (21" natural)  
MLSS: 21" uphill + 18" unit top + 19"  
downhill/2 = 29" avg. RL, 7% slope  
(HF) 28 x (PF) 1.0 x (FF) 1.5 = 42'

## Proposed:

- \* Pump, crush and fill existing septic tank and leaching pits.
- \* Install new 1000 gal. two-compartment Infiltrator IM-1060 plastic septic tank with outlet filter and risers to grade.
- \* Connect new tank to existing house sewer using 4" SCH 40 PVC pipe.
- \* Connect tank to new leaching trenches using 4" SDR-35 pipe.
- \* Install one - 45 LF row of Mantis 536-8 standard 18" units  
45 LF x 11.0 SF/LF ELA rating = 495 SQ FT ELA.

- \* MLSS provided: 45'
- \* Existing topsoil, sandy fill and buried topsoil layer to be removed (approx. 32" depth) extending 5 feet from leaching units down slope, 5 feet at ends, 2.5' upslope and filled with select sand fill.
- \* Trench bottoms will be no more than 27" into existing grade in area of TP 1
- \* Units to be installed with C-33 sand per manufacturers specifications.

Drawn by Jeff Polhemus - Skips Wastewater Services 7/3/20; rev. 7/13/20  
Scale: approx. 1" = 20'