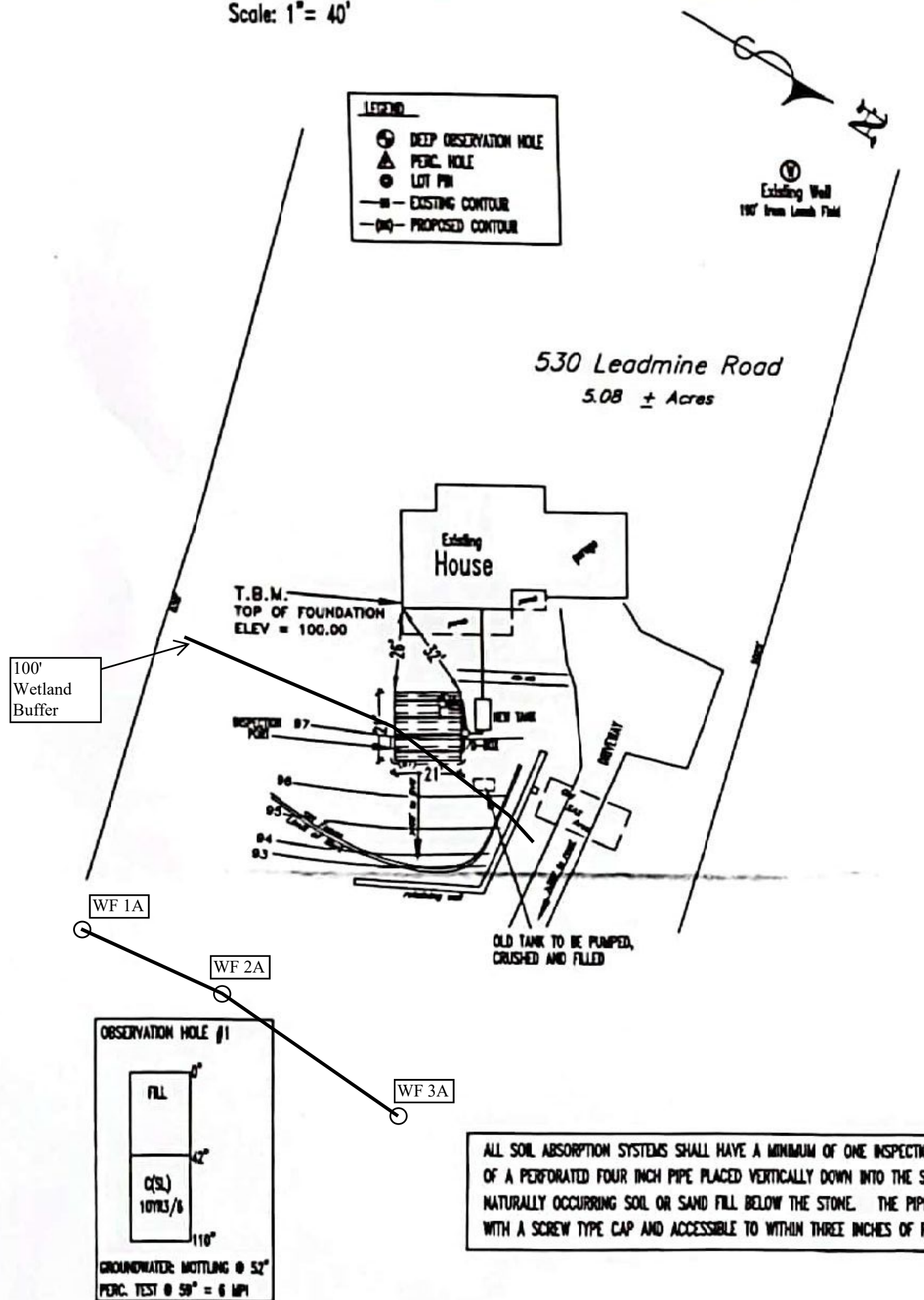


SEPTIC SYSTEM LAYOUT

Scale: 1" = 40'



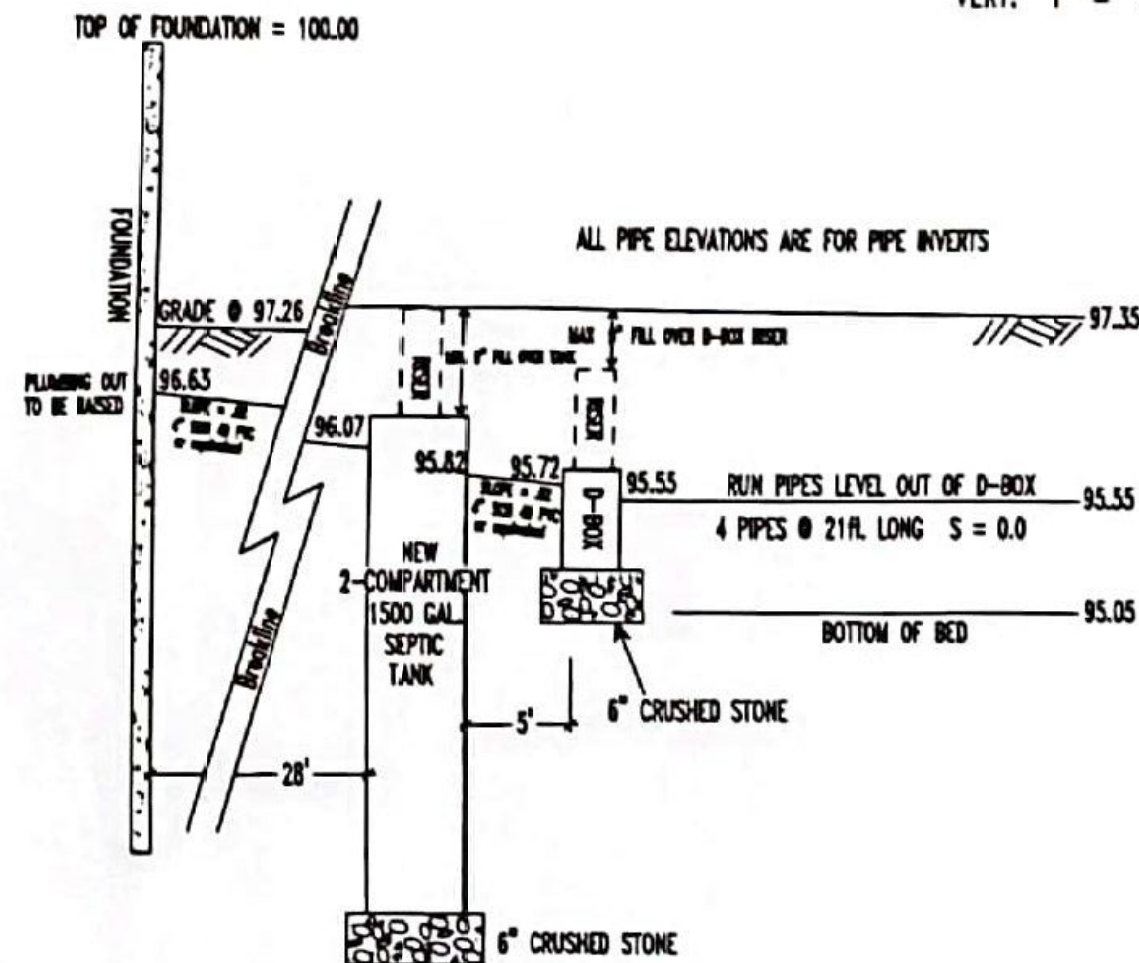
NOTES

- 1) SEPTIC TANK SHALL HAVE INLET AND OUTLET TEES.
- 2) OUTLET TEE SHALL HAVE AN EFFLUENT FILTER.
- 3) D-BOX SHALL HAVE MINIMUM 12" INSIDE WIDTH AND 6" SUMP BELOW OUTLET INVERT.
- 4) ACCESS MANHOLES TO SEPTIC TANK SHALL BE WITHIN 6" OF FINISHED GRADE.
- 5) D-BOX OUTLET PIPES SHALL BE LEVEL A MINIMUM OF 2 FEET.
- 6) END CAPS ON PIPES, FOR NON-VENTED SYSTEMS.
- 7) ELEVATIONS ARE TO INVERTS UNLESS NOTED.
- 8) NO OTHER WELLS OR WETLANDS OBSERVED WITHIN 200' OF SEPTIC SYSTEM.
- 9) ALL LOAM, SUBSOIL AND OTHER IMPERVIOUS MATERIAL SHALL BE REMOVED WITHIN 5 FEET OF LEACHING FACILITY.
- 10) FILL WITHIN 5 FEET OF LEACHING FACILITY SHALL MEET SPECIFICATIONS OF TITLE V, 15.255(3).
- 11) FINISH GRADE ABOVE AND ADJACENT TO SYSTEM SHALL SLOPE AT LEAST 2% TO PREVENT ACCUMULATION OF SUBSURFACE WATER.
- 12) DISTRIBUTION BOX SHALL HAVE AN INLET TEE OR BAFFLE EXTENDING TO ONE INCH ABOVE THE OUTLET INVERT ELEVATION PROVIDED TO DISSIPATE THE VELOCITY OF THE INFLUENT.
- 13) SEPTIC TANK SHOULD BE INSPECTED ANNUALLY.
- 14) ALL PIPES SHALL BE EITHER ASTM D-3034 (SOR35), ASTM D-2665 (SCHEDULE 40) OR AS NOTED.
- 15) ALL WASTEWATER SHALL FLOW INTO THE SEPTIC TANK WITH THE EXCEPTION OF WATERSOFTENERS/CONDITIONERS.
- 16) LOT LINES PLOTTED FOR SEPTIC LOCATION ONLY. PLOT PLAN IS NOT AN ACTUAL SURVEY.
- 17) NO CONSTRUCTION OF PERMANENT STRUCTURE ALLOWED OVER SEPTIC SYSTEM.
- 18) CALL 1-888-DIG-SAFE BEFORE STARTING SITE WORK.
- 19) MAGNETIC TAPE REQUIRED OVER ALL SYSTEM COMPONENTS.
- 20) METAL REBAR REQUIRED AT DISTRIBUTION BOX AND FOUR CORNERS OF BED.
- 21) GAS BAFFLE REQUIRED BETWEEN COMPARTMENTS OF SEPTIC TANK.
- 22) MANHOLE COVER OVER TANK OUTLET TEE SHALL BE RAISED TO FINISHED GRADE.

SEPTIC SYSTEM PROFILE

TBM @ TOP OF FOUNDATION = 100.00

SCALE:
HORZ. 1" = 10'
VERT. 1" = 2'



SITUATION:

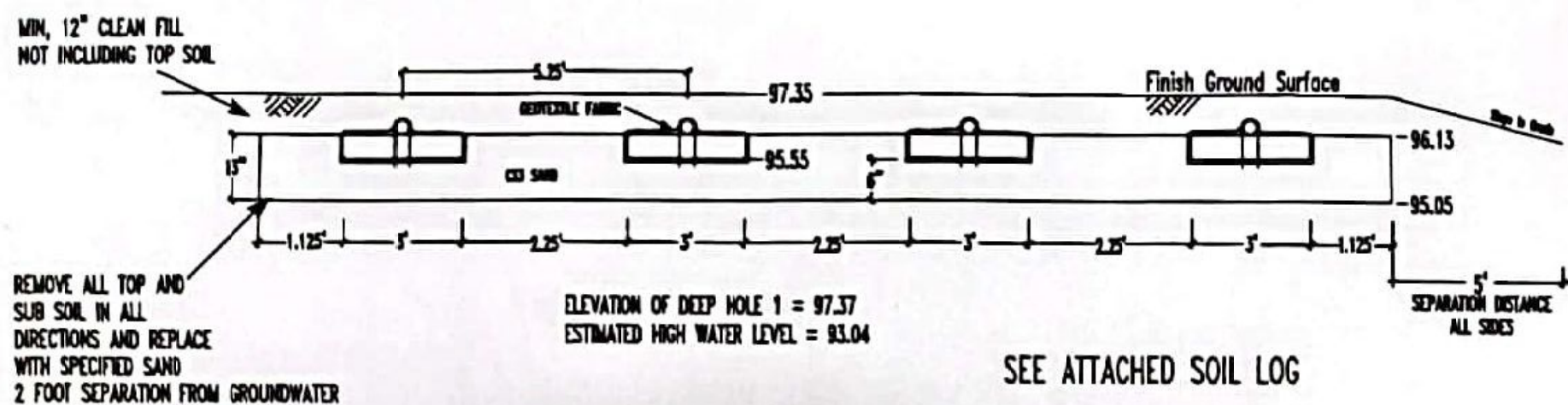
REPAIR OF SAS AT 530 LEADMINE ROAD.
4 BEDROOM DWELLING, NO GARBAGE GRINDER.
PERC RATE AT HOLE 1 DETERMINED TO BE 6 MINUTES PER INCH. DOP TAKEN @ 59"
DEEP HOLE DATES: 09/15/22
BOARD OF HEALTH WITNESS: KEN LACY
SOIL EVALUATOR: NEIL JACKSON, CERTIFIED MAY, 1998
4 BEDROOMS @ 110 GAL ∴ TOTAL = 440 GAL
BED AREA (TABLE 5) = 440 FT² (B43 MODULES) ELJEN GSF
ESTIMATED AVERAGE DAILY FLOW BASED ON 1995 TITLE 5 REGULATIONS
LEACHING SYSTEM IS TO CONSIST OF A 21 FT. X 21 FT. LEACHING BED, WITH 4 DISTRIBUTION LINES, WITH A MINIMUM OF 6 INCHES OF C33 SAND THROUGHOUT BED.

DESIGN CALCULATIONS:

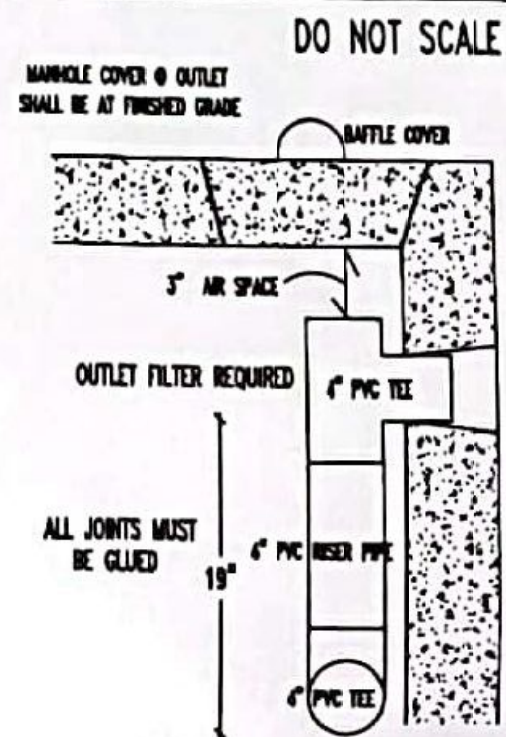
SOIL CLASS II -- 6 MIN./IN
BOTTOM AREA: LENGTH = 5 MODULES X 4 FT/MODULES + 1 FT = 21 FT
WIDTH = 440 FT² / 21 FT = 21 FT
CENTER TO CENTER SPACING OF MODULES: (21 FT WIDE/ 4 ROWS = 5.25 FT
CENTER TO EDGE OF BED = 1/2 CENTER TO CENTER SPACING = 2.625 FT
TOTAL = 21 FT X 21 FT = 441 FT² DESIGN
441 FT² DESIGN > 440 FT² REQUIRED

CROSS SECTION OF LEACHING BED @ PIPE END

TBM @ TOP OF FOUNDATION = 100.00



GAS BAFFLE DETAIL



SYSTEM TO BE CONSTRUCTED IN COMPLIANCE WITH 310 CMR 15.000

STEVENS

530 Leadmine Road
Sturbridge, MA

SCALE: AS NOTED	DRAWING NUMBER: Stevens-Leadmine.dwg	DESIGNED BY: NMJ
DATE: 30OCT22		DRAWN BY: HOP

APPROVED BY:



Paul Campagna
10/15/22