

I HEREBY CERTIFY THAT IN OCTOBER 1997, I HAVE PASSED THE EXAMINATION APPROVED BY THE D.E.P. AND THAT THE ABOVE ANALYSIS WAS PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE AND EXPERIENCE DESCRIBED IN CMR 15.017.

Robt M. Grasso
 ROBERT M. GRASSO, P.L.S., SE#933 DATE
 USDA - S.C.S. SOIL TYPES
 THE ENTIRE SITE IS MAPPED AS:
 MmA - MERRIMAC

DIMENSION TABLE:
 PIPE SEPARATION = 0.50'
 LINE LENGTH = 70.0'
 PIPE CENTER O.C. = 1.50'
 BED WIDTH = 13.5'
 BED LENGTH = 72.0'

SOIL LOG	
HEALTH AGENT <u>KENDELL LONGO</u> SOIL EVALUATOR <u>ROBERT GRASSO</u> DATE: <u>08-23-2022</u>	
TEST PIT # <u>01</u> ELEV = 94.8'	TEST PIT # <u>02</u> ELEV = 94.9'
8" A - F.S.L. 10R 3/2	9" A - F.S.L. 10R 3/2
32" BW - F.S.L. 10R 4/6	33" BW - F.S.L. 10R 4/6
125" C - M.C.S.G. 2.5Y 5/4	126" C - M.C.S.G. 2.5Y 5/4
WATER TABLE NONE OBSERVED ≥125" ESTIMATED 84.4'	WATER TABLE NONE OBSERVED ≥126" ESTIMATED 84.4'

PERCOLATION TESTS	
DATE <u>08-23-2022</u>	
0"	A
36"	
18"	
NO HOLD 12" - 9" NO HOLD 9" - 6" < 2 MIN/INCH RATE	

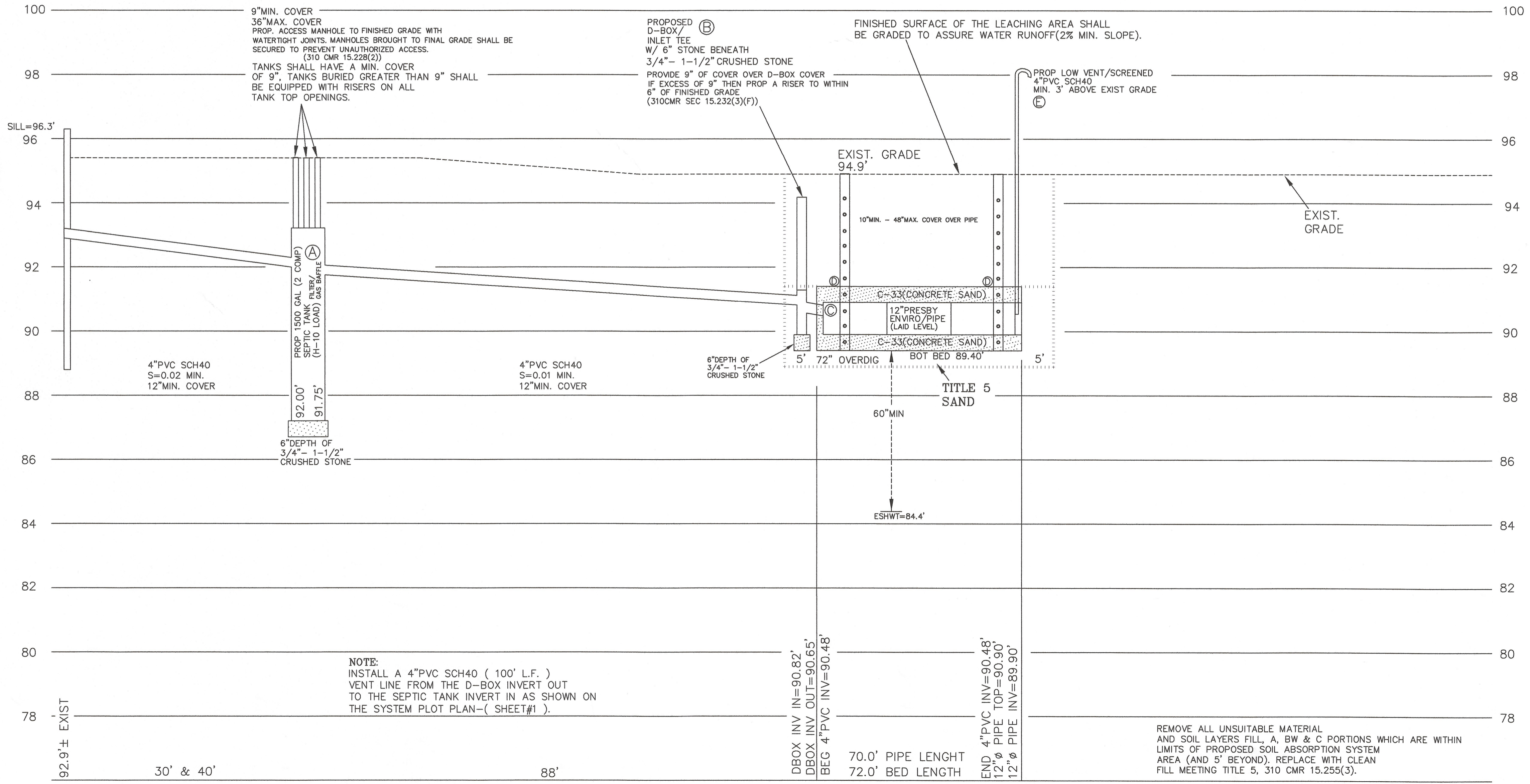
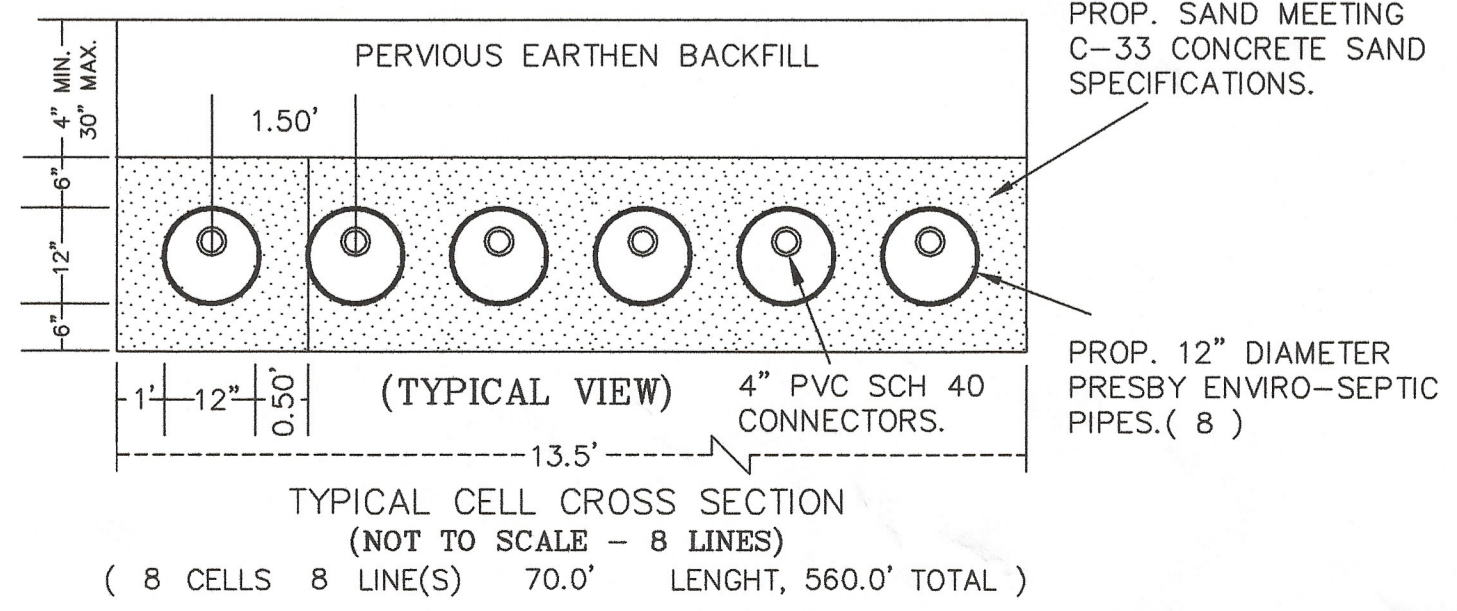
INVERT TABLE	
AT BLDG	92.9'± EXIST
TANK IN	92.00'
TANK OUT	91.75'
D-BOX IN	90.82'
D-BOX OUT	90.65'
BEG 4" PIPE	90.48'
END 4" PIPE	90.48'
TOP 12" PIPE	90.90'
12" PIPE INV	89.90'
BOTTOM BED	89.40'
GROUNDWATER	84.4'

DESIGN CRITERIA (<2 MIN/INCH)
 USE 0.74 GPD/S.F. - CL I (SAND)
 NUMBER OF BEDROOMS: 5 DESIGN FLOW: 165 GALLONS PER BEDROOM
 TOTAL No. ROOMS 11
 TOTAL DAILY FLOW: 825 GPD. LEACHING AREA: 1115 S.F.
 MIN. 525' L.F. OF ENVIRO PIPE REQ'D. 669 S.F. - MIN. PRESBY BED SIZE
 MIN. 1.50' O.C. PIPE SPACING

NO GARBAGE GRINDER TO BE USED.
 ACTUAL LEACHING AREA PROVIDED: 972 S.F.
 CALCULATED DAILY FLOW: SAND BED SIZE: 13.5'W x 72.0'L = 972 S.F.

560'L.F. x 1.57 GAL/L.F. AT <2 MPI = 879 GPD >= 825 GPD REQ'D.
 8 LINES (70.0' - 1.50' O.C. + 1.0 SAND AROUND)

NOTES:
 REMOVE ALL UNSUITABLE SOIL MATERIAL FOR A MINIMUM OF 5' ALL AROUND LEACH AREA AND (72") BELOW EXISTING GRADE, AND REPLACE WITH CLEAN FILL MEETING TITLE 5, 310 CMR 15.255(3).
 INSTALL FLOW LEVELERS AT DISTRIBUTION BOX OUTLETS. (GRAVITY ONLY)
 DIMENSIONS, DETAILS, AND SHAPE OF SEPTIC TANK AND DISTRIBUTION BOX WILL VARY SLIGHTLY WITH MANUFACTURER.
 ALL UNITS SHALL CONFORM WITH THE REGULATIONS OF TITLE 5 OF THE MASSACHUSETTS ENVIRONMENTAL CODE, AND WITH ALL APPLICABLE LOCAL BOARD OF HEALTH REQUIREMENTS.
 PRESBY ENVIRO-SEPTIC SYSTEM CANNOT BE USED WITH A PRESSURE DISTRIBUTION SYSTEM.
 THIS SYSTEM REQUIRES 8 CELLS OF ENVIRO-SEPTIC PIPES, EACH CELL HAS 1 DIST. LINES 70.0' IN LENGTH.



SYSTEM PROFILE
 SCALE: VER. 1" = 2'

NOTE: ALL OTHER GREYWATER PIPES SERVICING WASHERS, SINKS, ETC SHALL BE CONNECTED TO THE SEPTIC TANK.

TRUSTEE: SHARON B. GLASS

OWNER: BRACKETT REALTY TRUST
 TAX MAP 32 BLK 03 LOT 12
 LOCUS DEED: BK 29126 PG 199

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 BOXFORD, MA 01921

SANITARY DISPOSAL
 SYSTEM UPGRADE PLAN
 (REPAIR)

REVISIONS:

DRAWN: RMG
 CHECKED: SWB
 SCALE: AS NOTED
 DATE: 10-04-2022
 DWG No. 10-04-2022

DATE: 10/4/2022

SHEET No. 2 OF 3