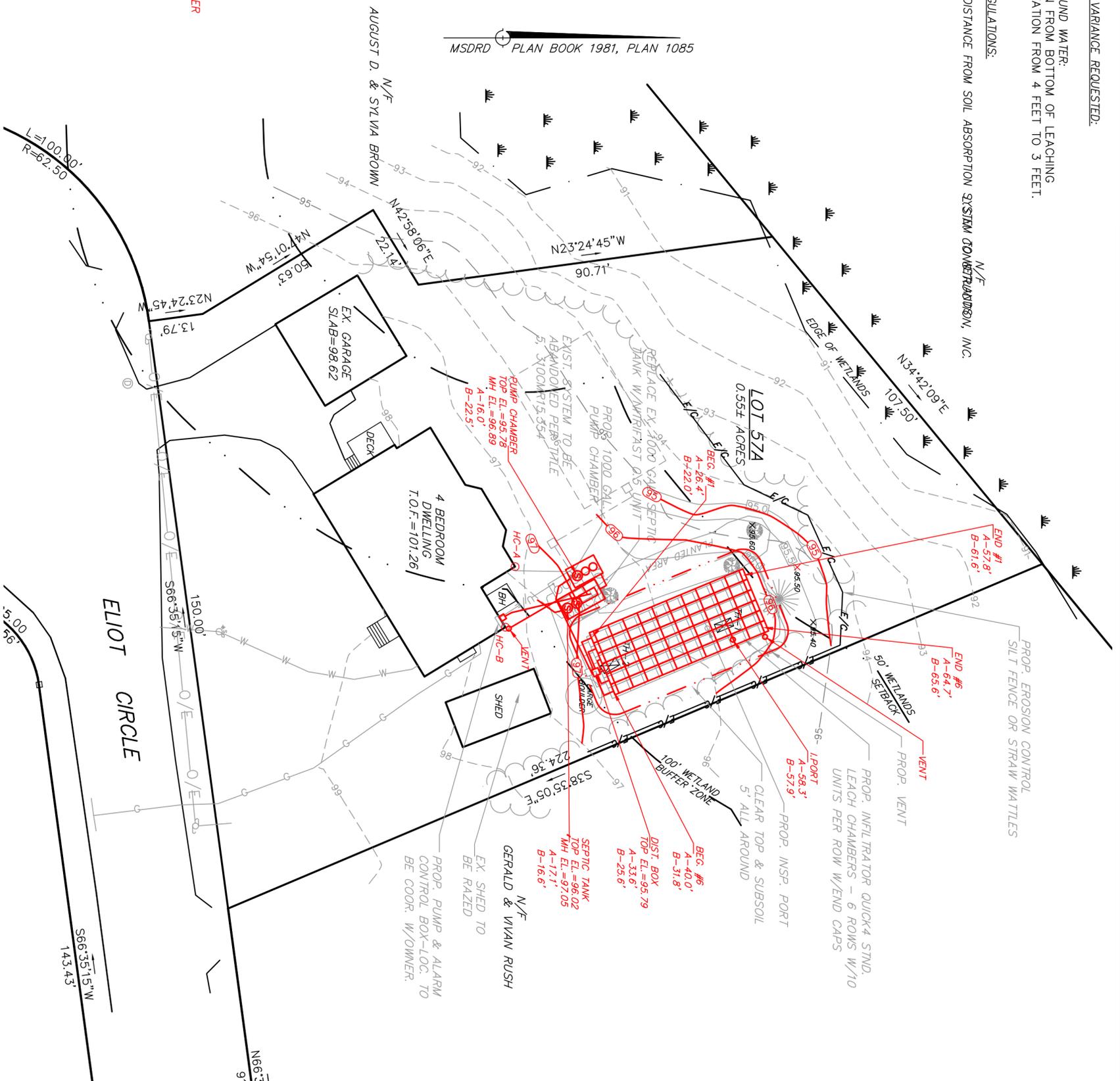


TITLE 5 MAXIMUM FEASIBLE COMPLIANCE VARIANCE REQUESTED:

310 CMR 15.405 (1)(h) DEPTH TO GROUND WATER:
REDUCTION OF 4 FOOT SEPARATION FROM BOTTOM OF LEACHING
BED TO HIGH GROUND WATER ELEVATION FROM 4 FEET TO 3 FEET.

ARTICLE 11 - LOCAL SEPTIC SYSTEM REGULATIONS:

SECT. 11 - 6.1: MINIMUM REQUIRED DISTANCE FROM SOIL ABSORPTION SYSTEM CONSTRUCTION,
75 FEET REQUIRED
51 FEET PROPOSED



AS-BUILT NOTES
 INSTALLED BY: DAVE CHANDLER
 STAKED SYSTEM: 8/17/15
 FINAL SYSTEM: 9/9/15
 FINISH GRADES: 9/12/15

NOTES:
 CONTRACTOR TO VERIFY INVERTS AND LOCATIONS OF ALL EXISTING COMPONENTS AND UTILITIES PRIOR TO CONSTRUCTION OF PROPOSED SEPTIC SYSTEM.
 ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED (TITLE 5 310 CMR 15.221(12)).
 ANY SEPTIC TANK, PUMP CHAMBER, OR DISTRIBUTION BOX LOCATED GREATER THAN 9 INCHES BELOW FINISH GRADE SHALL BE FITTED WITH A RISER TO WITHIN 6 INCHES OF FINISH GRADE (EXCEPT AS NOTED BELOW).
 THE DISCHARGE BACKWASH FROM HOME WATER FILTRATION SYSTEMS SHALL NOT BE CONVERTED TO THE SOIL ABSORPTION SYSTEM. ANY SUCH SYSTEM SHALL REQUIRE INSTALLATION OF A SEPARATE DRY WELL, AND MUST BE APPROVED PRIOR TO INSTALLATION AND THE LOCATION SHOWN ON THE AS-BUILT PLAN.
 THIS LOT IS NOT LOCATED IN A NITROGEN SENSITIVE AREA.
 IF & WHEN A SANITARY SEWER CONNECTION BECOMES FEASIBLE, THE OWNER SHALL CONNECT THE FACILITY TO SUCH SEWER WITHIN 60 DAYS OF SUCH FEASIBILITY.
 THIS DESIGN CONFORMS TO THE GENERAL USE & REMEDIAL USE APPROVAL, COMPANY DESIGN GUIDANCE, & 310 CMR 15.000, UNLESS NOTED OTHERWISE.
 SEE ALSO THE GENERAL USE APPROVALS BY MASSDEP FOR INFILTRATOR SYSTEMS UNDER TRANSMITTAL NO.: X259183, DATED FEB. 19, 2015 AND BIO-MICROBICS, INC., TRANSMITTAL NO. X232831, REVISED MARCH 20, 2015 FOR FURTHER INFORMATION.

NO.	DATE	REVISION	BY
2	9/12/15	AS-BUILT PLAN	JH
1	7/19/15	ADD NITRIFAST 0.5 UNIT	JH

SOIL TEST DATA

DEEP TEST	TH-1	
DATE	5-7-15	
GROUND ELEV.	95.7	
Ap	0-78" A & FILL W/ BOUL.	
Bw	NONE	
C1	78-126" LS&G 2.5Y 6/4 MASSIVE-FRIABLE	
ESHWIT	78" (89.2)	
WEEPING	90"	
OBS. WATER	120"	
WITNESSED BY	E. CARLONI - ABQH	
CONDUCTED BY	J. HANNAFORD - L.S.E. #999	
DEEP TEST	TH-2	
DATE	5-7-15	
GROUND ELEV.	96.3	
Ap	0-36" A & FILL	
Bw	36-48" SL 10YR 5/6	
C1	48-108" LS&G 2.5Y 6/4 MASSIVE-FRIABLE	
ESHWIT	60" (91.3)	
WEEPING	78"	
OBS. WATER	96"	
WITNESSED BY	E. CARLONI - ABQH	
CONDUCTED BY	J. HANNAFORD - L.S.E. #999	

I, JEFFREY L. HANNAFORD, CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 310CMR15.017 TO CONDUCT SOIL EVALUATIONS AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERISE, AND EXPERIENCE DESCRIBED IN 310 CMR 15.017. I FURTHER CERTIFY THAT THE RESULTS OF MY SOIL EVALUATION, AS INDICATED ON THE ATTACHED SOIL EVALUATION FORM, ARE ACCURATE AND IN ACCORDANCE WITH 310CMR15.100 THRU 15.102.

PERCOLATION TEST
 INFO BY A.B.O.H.
 DATE
 SATURATION
 12" - 9"
 9" - 6"
 STABILIZED RATE
 22 MIN./INCH
 DEPTH
 WITNESSED BY
 CONDUCTED BY

LOCATION	PROPOSED	AS-BUILT
TOP OF FOUNDATION	101.26	EXIST.
FOUNDATION OUT INVERT	EXIST.	94.98
SEPTIC TANK IN INVERT	94.0±(EX.)	94.61
SEPTIC TANK OUT INVERT	93.7± (EX.)	94.44
PUMP CHAMBER IN INVERT	93.50	94.81
PUMP CHAMBER OUT INVERT	93.25	95.27
DISTRIBUTION BOX IN INVERT	95.24	95.01
DISTRIBUTION BOX OUT INVERT	95.07	#1-94.94
LEACH CHAMBER INLET INV.	94.97	#2-94.95
		#3-95.91
		#4-94.97
		#5-94.94
		#6-94.95
BED BOTTOM ELEV.	94.3	94.3

SCHEDULE OF ELEVATIONS

KEY	LOCUS
--- 112 ---	EXISTING GRADE
---	PROPOSED GRADE
---	PERCOLATION TEST
⊗	DEEP TEST
⊗	BENCHMARK
⊗	WETLAND
---	EROSION CONTROL

SUBSURFACE SEWAGE DISPOSAL SYSTEM



(978) 649-1966
 LOCATION: 3 ELIOT CIRCLE, ACTON, MA
 ASSESSORS MAP #E3 PARCEL #95-25
 DATE 5-8-15 SCALE 1" = 20'
 OWNER: WILLIAM BOWEN, 3 ELIOT NIRCLE, ACTON, MA 01720
MSD *Metra Design Services, Inc.*
 3 Pondview Pl. Springfield, MA 01107
 nbs@vertzon.net