

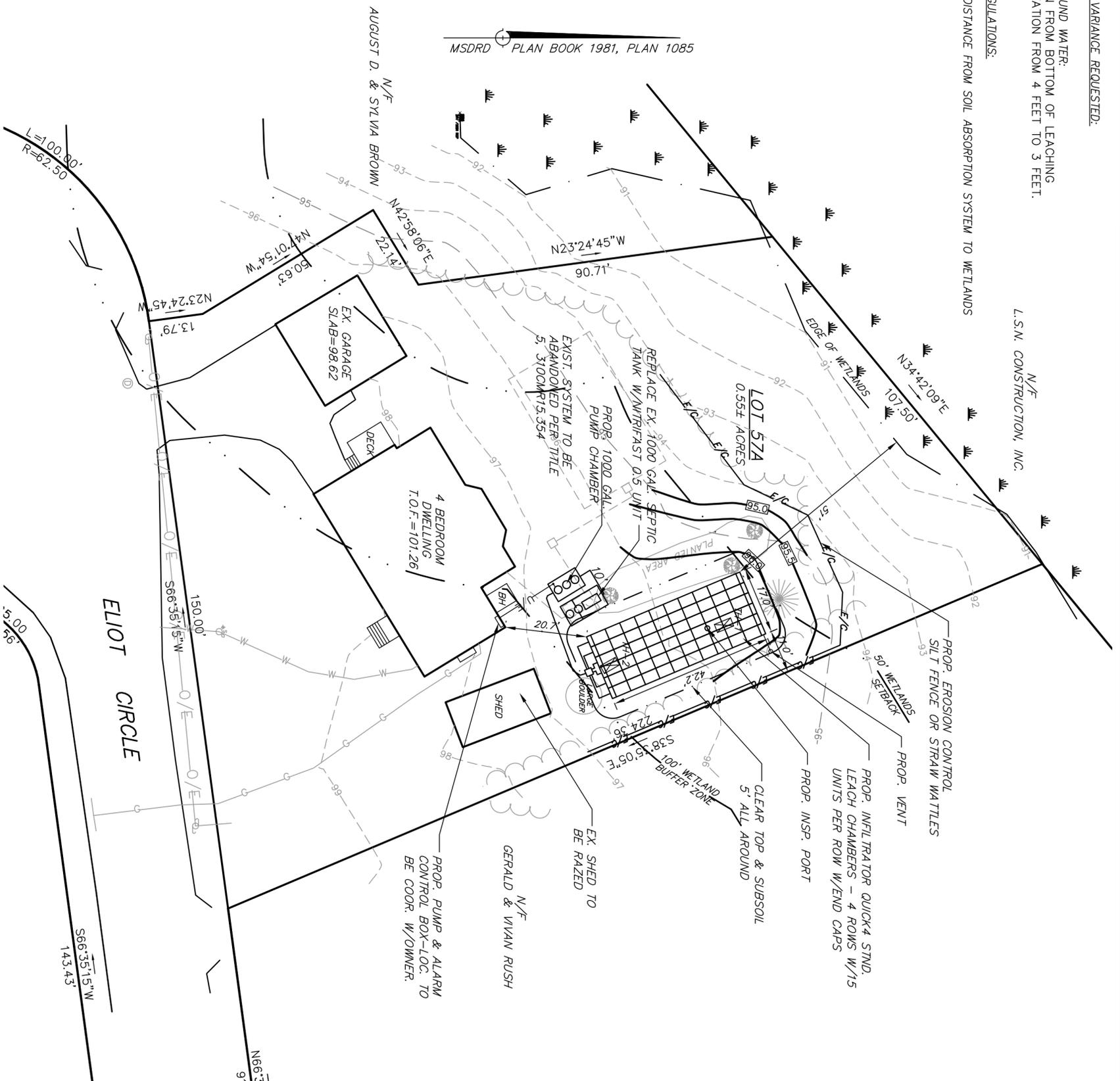
TITLE 5 MAXIMUM FEASIBLE COMPLIANCE VARIANCE REQUESTED:

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 TO WETLANDS
75 FEET REQUIRED
51 FEET PROPOSED

N/F
L.S.N. CONSTRUCTION, INC.



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 SEPERATE 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 INFLTRATOR 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
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
ESHWT	78" (89.2)
WEEPING	90"
OBS. WATER	120"
WITNESSED BY	E. CARLONI - ABOH
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
ESHWT	60" (91.3)
WEEPING	78"
OBS. WATER	96"
WITNESSED BY	E. CARLONI - ABOH
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"
STABILIZED RATE	9" - 6"
DEPTH	22 MIN./INCH
WITNESSED BY	
CONDUCTED BY	

SCHEDULE OF ELEVATIONS

LOCATION	PROPOSED	AS-BUILT
TOP OF FOUNDATION	101.26	EXIST.
FOUNDATION OUT INVERT	EXIST.	94.0±(EX.)
SEPTIC TANK IN INVERT	93.7± (EX.)	93.7± (EX.)
SEPTIC TANK OUT INVERT	93.50	93.25
PUMP CHAMBER IN INVERT	93.25	95.24
PUMP CHAMBER OUT INVERT	95.07	95.07
DISTRIBUTION BOX IN INVERT	95.07	94.97
DISTRIBUTION BOX OUT INVERT	94.97	
LEACH CHAMBER INLET INV.		
BED BOTTOM ELEV.	94.3	

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



SUBSURFACE SEWAGE DISPOSAL SYSTEM

NDSS *Nate Design Services, Inc.*
3 Pondriew Pl. Springfield, MA 01119

LOCATION: 3 ELIOT CIRCLE ACTON, MA
OWNER: WILLIAM BOWEN 3 ELIOT NCRICLE ACTON, MA 01720

ASSESSORS MAP #E3 PARCEL #95-25
DATE 5-8-15 SCALE 1" = 20'
DRAWN JLH SHEET 1 OF 2