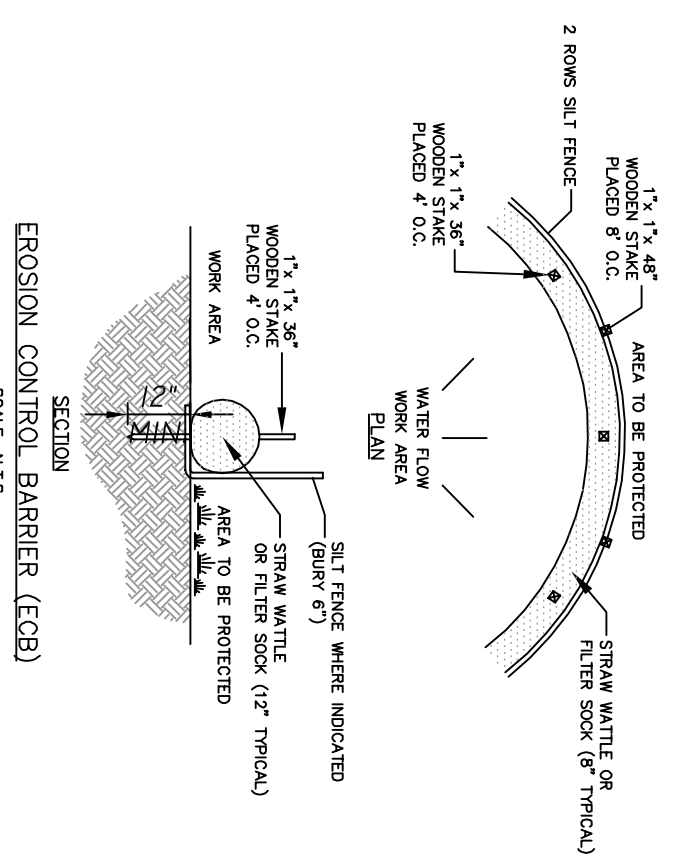
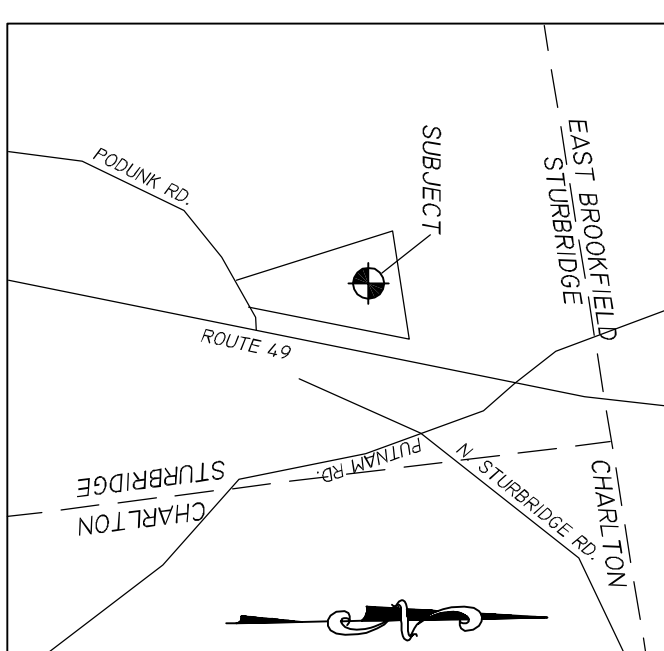


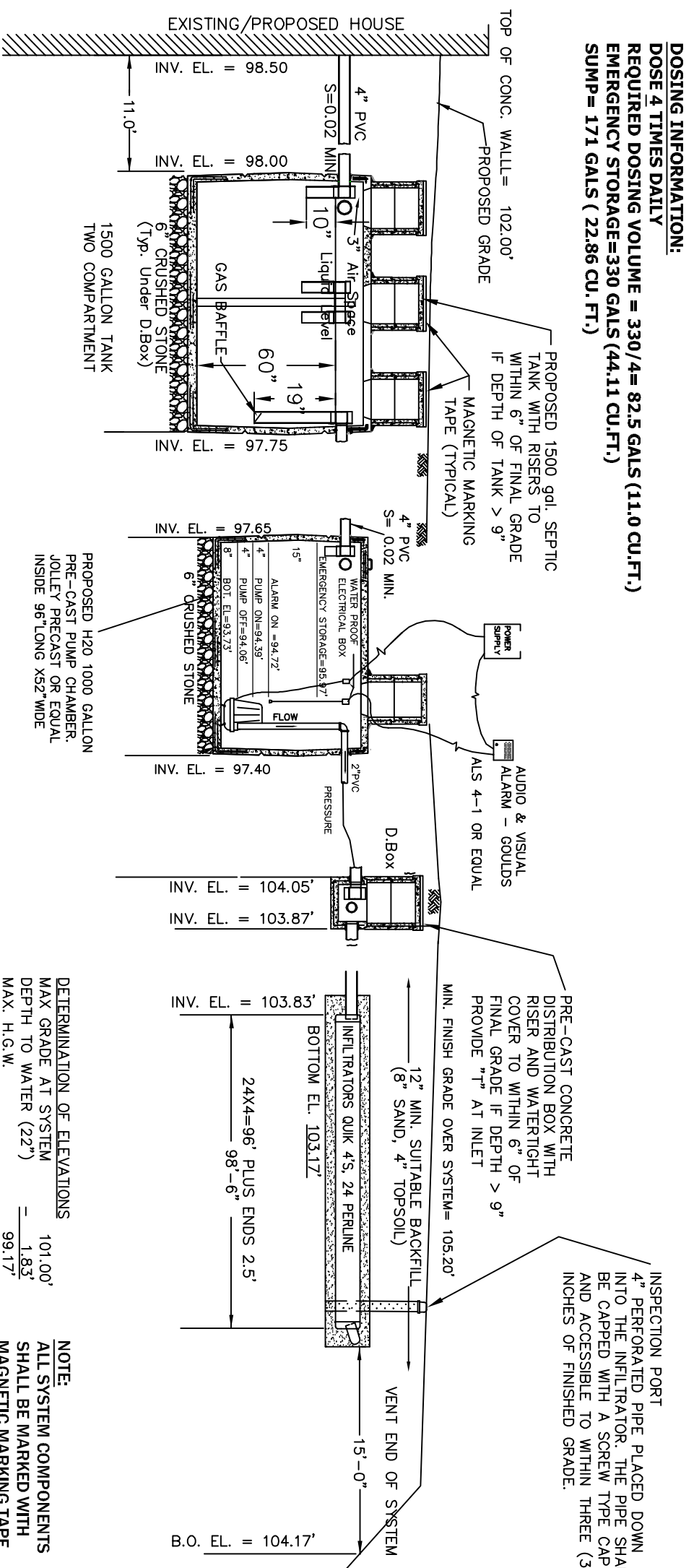
SYSTEM SECTION
SCALE = NONE



EROSION CONTROL BARRIER (ECB)
SCALE: N.T.S.

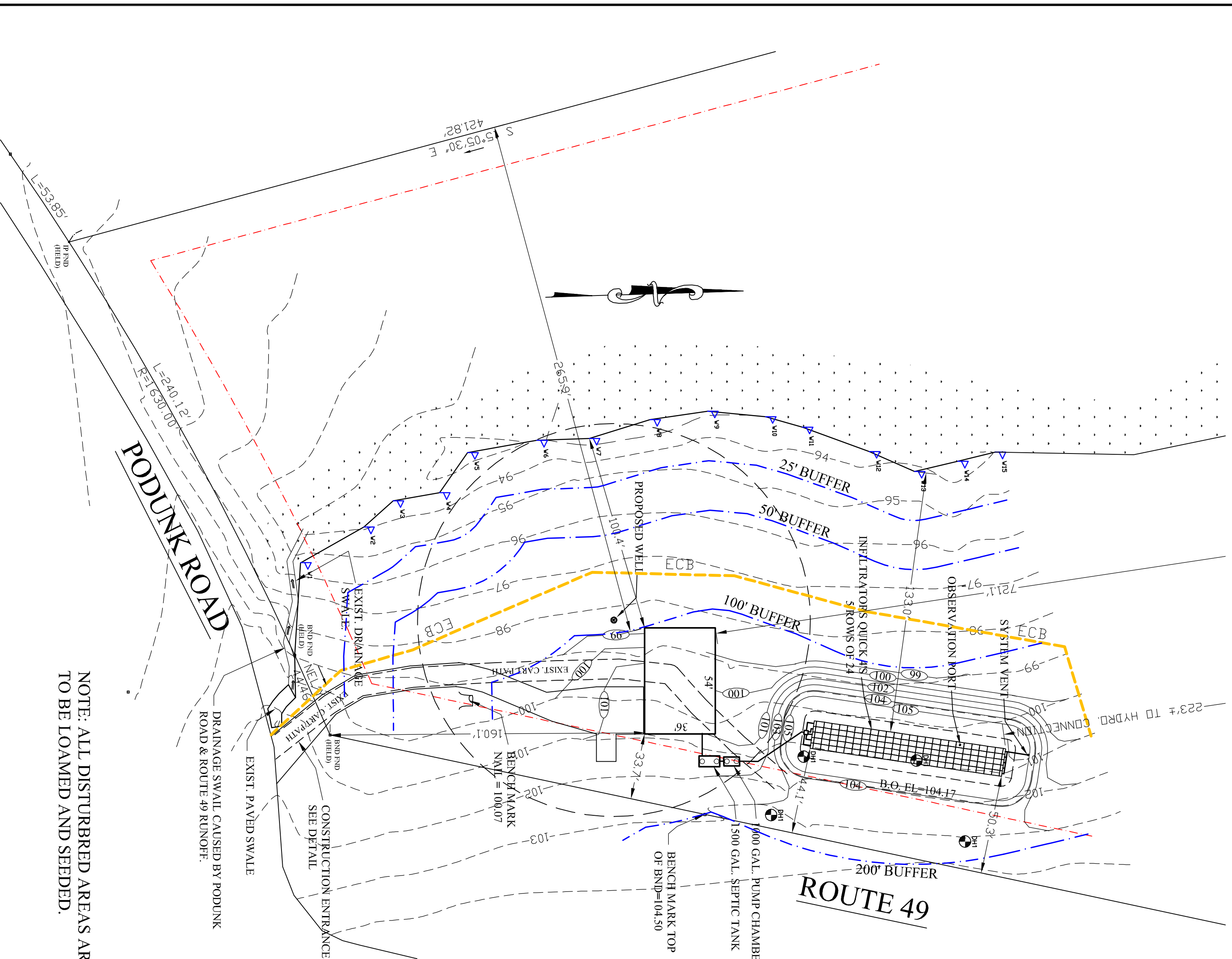


LOT LOCUS
SCALE: NONE



DOSING INFORMATION:
REQUIRED DOSING VOLUME = 330 (4x 82.5 GALS (11.0 CU.FT.))
REQUIRED STORAGE = 330 GALS (44.11 CU.FT.)
SUMP = 171 GALS (22.86 CU.FT.)

NOTE:
ALL SYSTEM COMPONENTS SHALL BE MARKED WITH PROPER MARKING PER 4.027 BELOW THE FINISHED GRADE.



NOTE: ALL DISTURBED AREAS ARE TO BE LOAMED AND SEEDED.

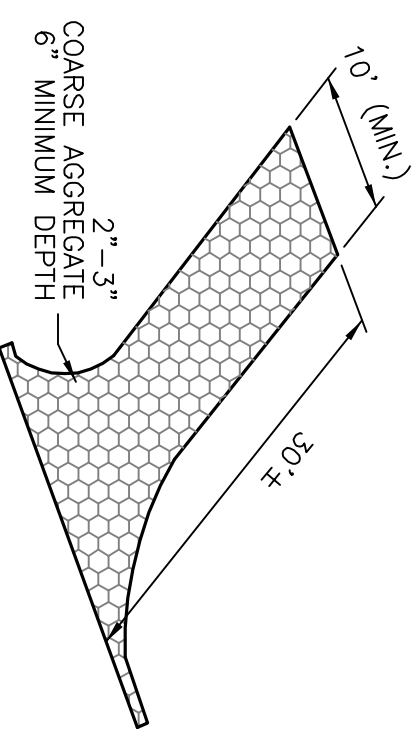
REVISIONS

Date	Rev	Description	Mode	Check	App.
5/30/23	1	ADD FLAGS, OWNERS NAME	AMT	LSU	LSU
6/13/23	2	CHANGE TO 4 BEDROOM	AMT	LSU	LSU
6/20/23	3	SITE VISIT COMMENTS	AMT	LSU	LSU
7/6/23			AMT	LSU	LSU

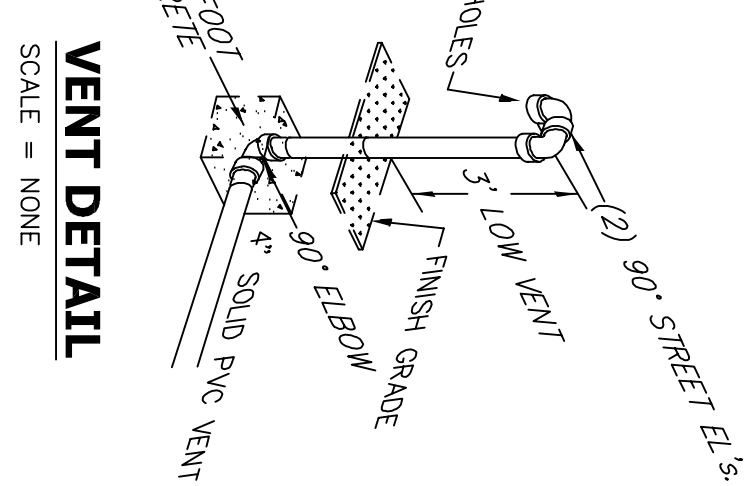
MAINTENANCE NOTE

THE STATE ENVIRONMENTAL CODE, STATUTES, SEPTIC TANKS SHOULD BE INSPECTED AND CLEANED AT LEAST ANNUALLY. PERMANENT STRUCTURES ARE TO BE ERECTED IN THE RESERVE AREA. DO NOT PLANT TREES OVER OR NEAR THE FIELD. AVOID VEHICULAR TRAFFIC OVER SYSTEM.

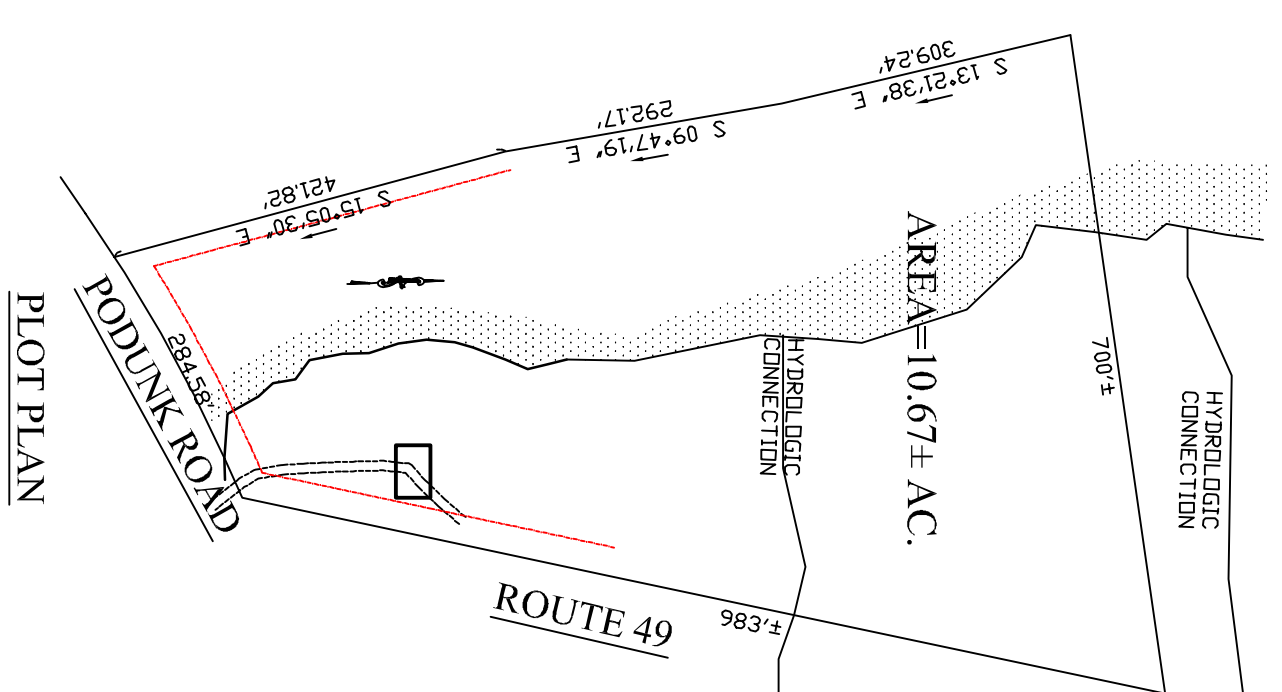
DEED REFERENCE: BOOK 64922, PAGE 286
SEE PLAN BOOK 953, PLAN 111 FOR PARCELS A,B,C AND D.



CRUSHED STONE, TRACK PAD CONSTRUCTION ENTRANCE
NOT TO SCALE



VENT DETAIL
SCALE = NONE



PLOT PLAN
SCALE: 1"=200'

SCHEDULE OF ELEVATIONS

DESCRIPTION	PROPOSED	AS-BUILT
TOP OF FOUNDATION	102.00'	
INVERT AT FOUNDATION	98.50'	
INVERT IN SEPTIC TANK	98.00'	
INVERT OUT SEPTIC TANK	97.75'	
INVERT IN PUMP CHAMBER	96.65'	
INVERT OUT PUMP CHAMBER	96.40'	
INVERT IN DBOX	104.05'	
INVERT OUT DBOX	103.87'	
INVERT BEGINNING	103.83'	
INVERT END	103.83'	

PERCOLATION TEST AND DEEP HOLE OBSERVATIONS

TEST PERFORMED AS PER TITLE 5.
DATE OF TEST: 7/21/20
TEST TAKEN: 46 & 36" BELOW EXISTING GRADE.
RESULT: 45 & 8 MINUTES PER INCH.
DESIGNED AT 50 MINUTES PER INCH.
PERFORMED BY: PETER C. ENGLE, P.E.
WITNESSED BY: KENNETH B. LACEY

OBSERVATION PITS

DATE	TIME	DEPTH	SOIL TYPE	REMARKS
7/21/20	10:00 AM	100' ±	MOIST, FINE	
7/21/20	10:00 AM	100' ±	MOIST, FINE	
7/21/20	10:00 AM	100' ±	MOIST, FINE	

DATE	TIME	DEPTH	SOIL TYPE	REMARKS
7/21/20	10:00 AM	100' ±	MOIST, FINE	
7/21/20	10:00 AM	100' ±	MOIST, FINE	
7/21/20	10:00 AM	100' ±	MOIST, FINE	

ZONING: RURAL RESIDENTIAL

RECORD	PLAN	COMMUNITY NO.
0632	0632	25027C
150	0.67 AC	0763E
150	2.40	7/4/2011
30	1.60 I	
20	33.7	
20	721.1	

F.I.R.M. REFERENCE

THE DESIGN SHOWN HEREON DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE.

SCOPE OF WORK

THE CONTRACTORS SCOPE OF WORK INCLUDES BUT IS NOT LIMITED TO:
1. ALL LABORS AND MATERIALS TO INSTALL THE SEWAGE DISPOSAL SYSTEM, COMPLETE AND PLACED IN SERVICE.
2. INSURING ALL PERMITS HAVE BEEN OBTAINED.
3. PERFORMING ALL WORK IN ACCORDANCE WITH TITLE 5.
4. ANY MEASURES TO PROTECT THE WETLAND, IF ANY.
5. TIMELY EXECUTION OF THE WORK.

GENERAL NOTES

1. ALL WORK TO BE CONCEALED MUST BE INSPECTED BY THE BOARD OF HEALTH OR ITS AGENT PRIOR TO BEING BACKFILLED.
2. THE BUILDING SEWER (THE PIPE FROM 10' OUTSIDE THE BUILDING TO THE SEPTIC TANK) MUST BE CONSTRUCTED OF SCHEDULE 40 PVC PIPE AND MUST BE WATER-TIGHT.
3. SEPTIC TANK AND DISTRIBUTION BOX TO BE PRE-CAST CONCRETE AS PER TITLE 5.
4. SEPTIC TANK AND DBOX MUST BE SET ON A LEVEL STABLE BASE AND MUST BE WATER TIGHT.
5. THE FINISH GRADE ABOVE AND ADJACENT TO THE FIELD SHALL SLOPE AT LEAST 2% TO PREVENT THE ACCUMULATION OF SURFACE WATER.
6. FILL MATERIAL REQUIRED SHALL CONSIST OF CLEAN GRANULAR SAND FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES. MIXTURES AND LAYERS OF DIFFERENT CLASSES OF MATERIALS SHALL NOT BE USED. A SEIVE ANALYSIS SHALL BE PERFORMED IN ACCORDANCE WITH 310 CMR 15.255 (3).
7. STONE SHALL CONSIST OF DOUBLE-WASHED STONE AND SHALL BE FREE OF IRON, FINES AND DUST IN PLACE.
8. ALL DISTURBED AREAS TO BE LOAMED (3" MIN.) FINE RAKED AND SEEDED.
9. ALL WELLS WITHIN 200' OF THE PROPOSED SYSTEM ARE SHOWN OR REFERRED TO BY NOTATION.
10. ALL WETLANDS WITHIN 100' OF THE CONSTRUCTION ARE SHOWN.
11. OFFSETS ARE NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
12. THE PROPOSED WELL IS NOT WITHIN 100' OF ANY KNOWN LEACHING FACILITIES. (NOT APPLICABLE - EXISTING WELL).
13. REMOVE TOPSOIL, PEAT AND OTHER IMPERVIOUS MATERIALS FROM ALL AREAS BENEATH THE LEACH FIELD AND FOR A DISTANCE OF 5' THEREFROM (AS SHOWN) AND REPLACE WITH FILL MATERIAL AS SPECIFIED IN NOTE 6 COMPACTED IN 6" LIFTS TO AN ELEVATION EQUAL TO THE TOP OF PEA STONE WITHIN THE SYSTEM.

DESIGN CRITERIA

DESIGN FLOW FOR # BEDROOMS
4 Bedrooms x 110 gal./bedroom./day = 440 gallons/day
THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARAGE DISPOSAL. THE USE OF GARAGE DISPOSALS IS NOT RECOMMENDED WITH SUBSURFACE DISPOSAL FACILITIES.
SEPTIC TANK CAPACITY: 1500 GALLON

DESIGN CALCULATIONS

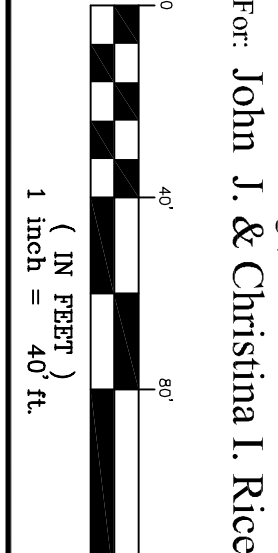
SOIL CLASSIFICATION: CLASS II
L.R.M.: Q20
SQUARE FOOTAGE REQUIRED: 440 GPD/0.20 GPD/SF=2200 S.F.
LEACHING CAPACITY REQUIRED: 1200 GPD/AREA @ 4" X 4" @ 2 SF/1/2"=2,265.6 S.F.
2,265.6 S.F. X .20 GPD/SF = 453 GPD

JALBERT ENGINEERING, INC.

54 Main Street
Sturbridge, Massachusetts 01566-1244
Telephone: (508) 347-5136 • Toll Free: 1-800-339-5136
Fax: (508) 347-7962

Soil Absorption System - "NEW"

Located At: 244 Podunk Road
Sturbridge, Massachusetts
For: John J. & Christina I. Rice



5/30/23	PLAN NUMBER
23027	REV. 3