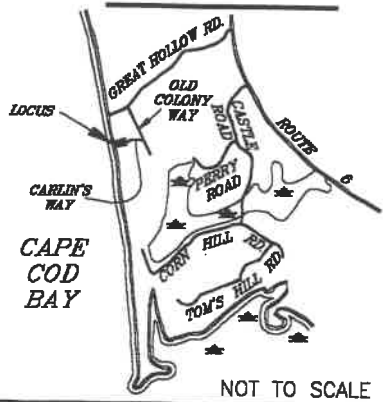


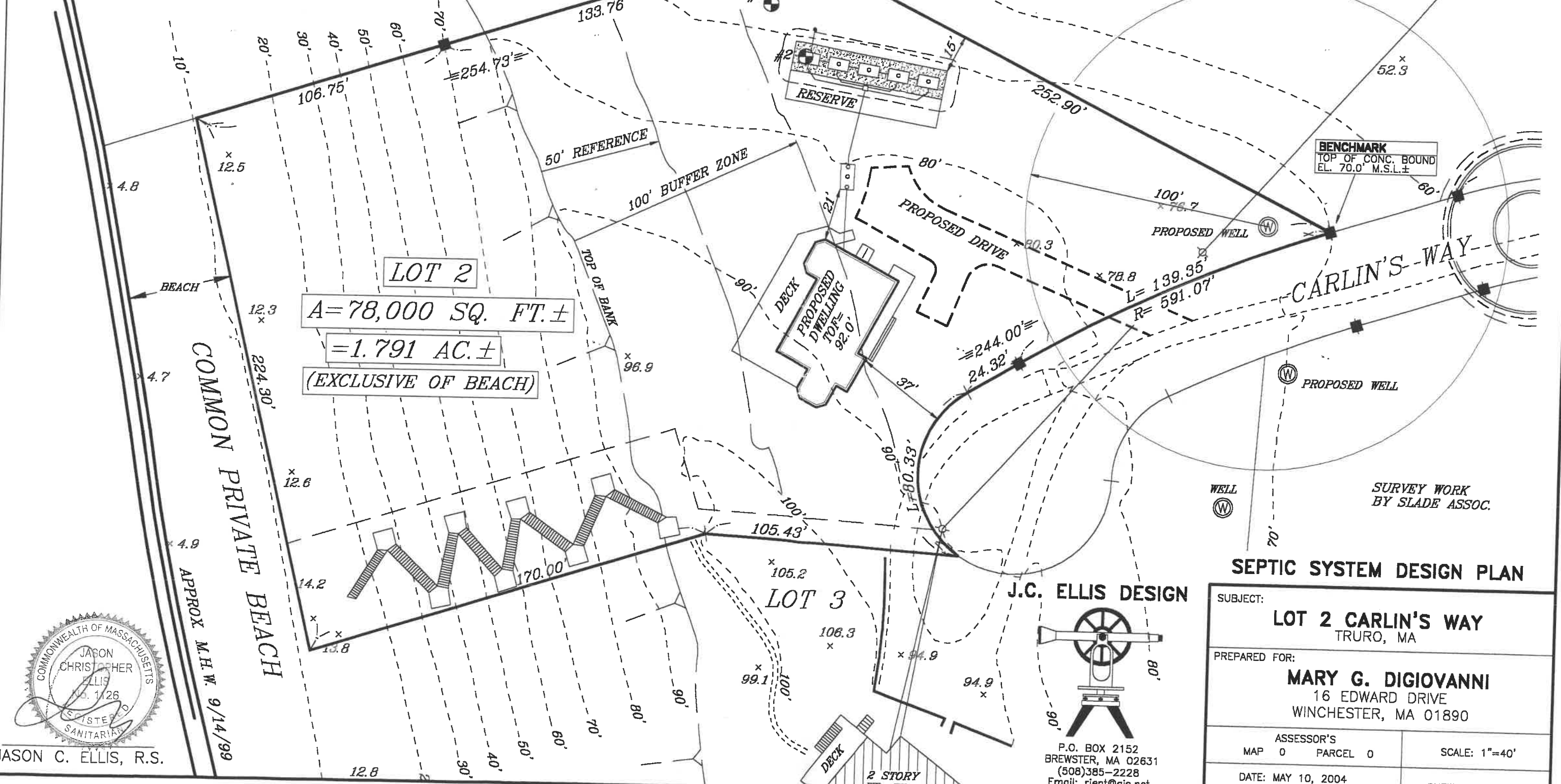
LOCUS MAP



NOT TO SCALE



1B
SH. 45, PCL 1
VACANT



LOT 2
A = 78,000 SQ. FT. ±
= 1.791 AC. ±
(EXCLUSIVE OF BEACH)

COMMON PRIVATE BEACH
APPROX M.H.W. 9/14/99

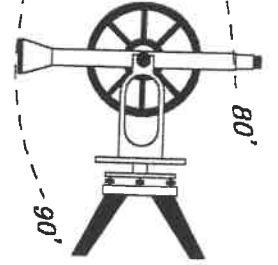
BENCHMARK
TOP OF CONC. BOUND
EL. 70.0' M.S.L. ±

SURVEY WORK
BY SLADE ASSOC.

SEPTIC SYSTEM DESIGN PLAN

SUBJECT: LOT 2 CARLIN'S WAY TRURO, MA	
PREPARED FOR: MARY G. DIGIOVANNI 16 EDWARD DRIVE WINCHESTER, MA 01890	
ASSESSOR'S MAP 0 PARCEL 0	SCALE: 1"=40'
DATE: MAY 10, 2004 REVISED:	SHEET 1 OF 2

J.C. ELLIS DESIGN



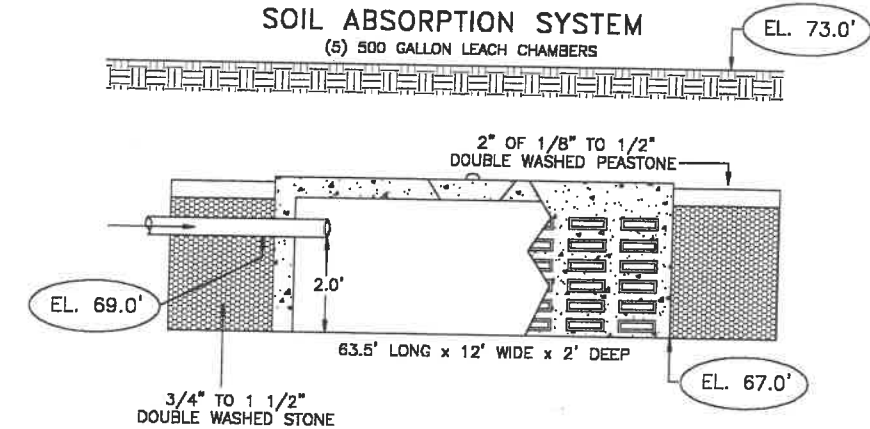
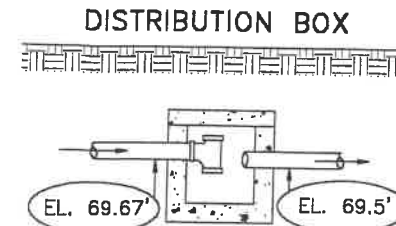
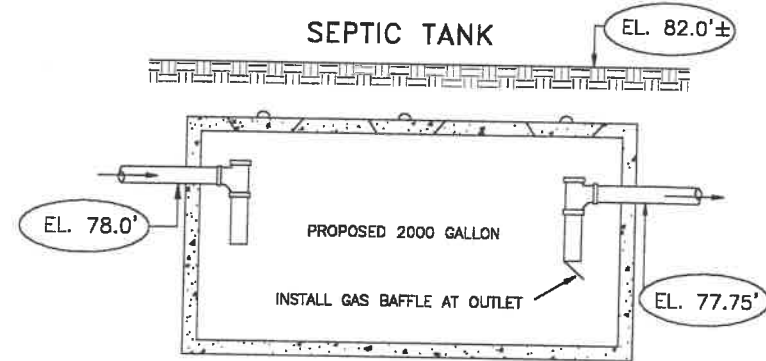
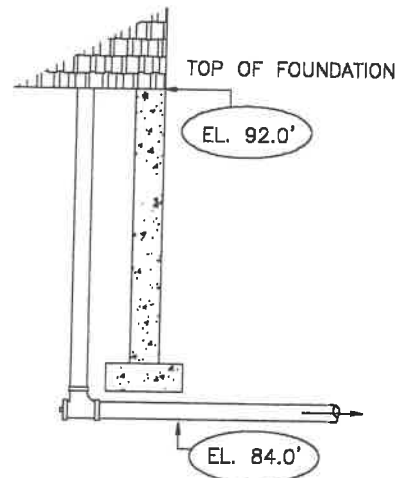
P.O. BOX 2152
BREWSTER, MA 02631
(508)385-2228
Email: rjent@gis.net



JASON C. ELLIS, R.S.

SECTION DETAIL - COMPONENTS

NOT TO SCALE



DEEP HOLE DATA

PERFORMED BY: JASON ELLIS, S.E.
 WITNESSED BY: SUE RASK, TRURO BOH
 TEST DATE: APRIL 16, 2004

DEPTH	#1	ELEV.
0.0'	A LOAMY SAND 10YR3/3	68.0'
2.16'	B LOAMY SAND 10YR4/6	65.84'
4.0'	C MEDIUM - FINE SAND 10YR6/6 PERC @ 58" <2 MIN/IN	64.0'
10.0'		58.0'

NO WATER ENCOUNTERED

DEPTH	#2	ELEV.
0.0'	A LOAMY SAND 10YR3/3	72.0'
2.16'	B LOAMY SAND 10YR4/6	69.84'
4.0'	C MEDIUM - FINE SAND 10YR6/6 PERC @ 58" <2 MIN/IN	68.0'
10.0'		62.0'

NO WATER ENCOUNTERED

DESIGN CALCULATIONS

FLOW RATE:

7 BEDROOM DWELLING = 770 G/P/D REQUIRED
 (110 G/P/D PER BEDROOM x 7 BEDROOMS)
 NO GARBAGE GRINDER

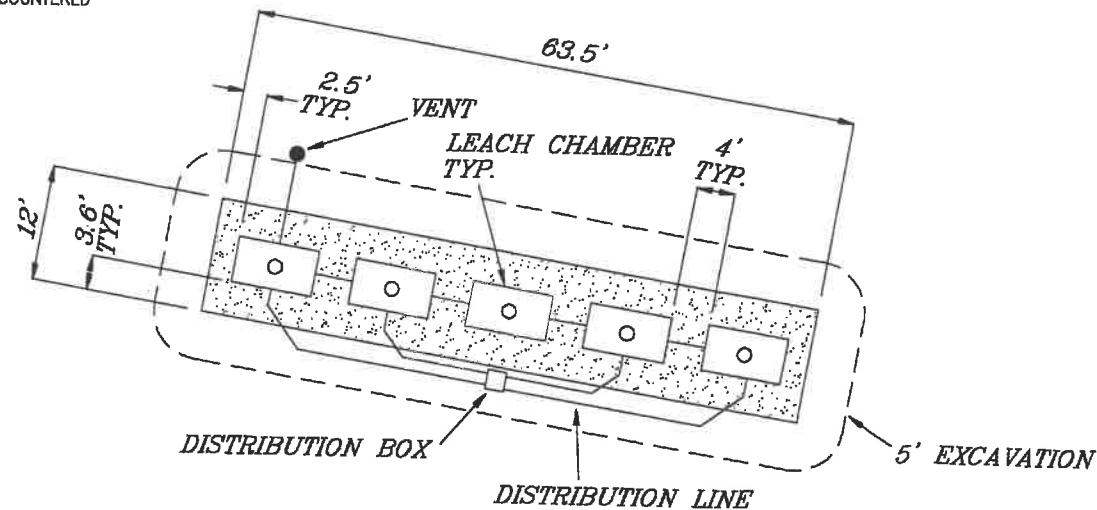
SEPTIC TANK:

770 G/P/D x 2 = 1540 G/P/D REQUIRED
 USE 2,000 GALLON SEPTIC TANK

SOIL ABSORPTION SYSTEM:

PERC RATE = <2 MIN/IN - CLASS I SOIL
 SIDEWALL = (63.5 + 12)(2)(2) = 302 S.F.
 BOTTOM: (63.5)(12) = 762 S.F.
 (302 + 762)(0.74) = 787.3 G/P/D PROVIDED

USE: (5) 500 GALLON LEACH CHAMBERS W/ STONE
 AS SHOWN IN DETAIL.



DEEP HOLE DATA

NOTES

- ALL PRECAST COMPONENTS TO BE H-10 RATED. ALL COMPONENTS WITH ANY ANTICIPATED VEHICULAR TRAFFIC TO BE H-20 RATED.
- ELEVATION DATUM IS FROM USGS QUAD MAP.
- MUNICIPAL WATER IS NOT AVAILABLE.
- ALL CONSTRUCTION TO CONFORM WITH 310 CMR 15.000 AND ALL OTHER APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS.
- INSTALLER/CONTRACTOR TO REVIEW & VERIFY ALL ELEVATIONS AND DETAILS AND REPORT ANY DISCREPANCIES TO DESIGNER PRIOR TO CONSTRUCTION OR ASSUME ALL RESPONSIBILITY.
- INSTALLER/CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SAFE WORK AREA, VERIFYING ALL UTILITIES AND NOTIFYING DIG SAFE PRIOR TO CONSTRUCTION.
- ANY CHANGES TO OR DEVIATIONS FROM THIS PLAN MUST BE APPROVED IN WRITING BY J.C. ELLIS DESIGN CO. AND BOARD OF HEALTH.
- FINISH COVER OVER COMPONENTS IS NOT TO EXCEED 3' PER 310 CMR 15.000.
- ALL COMPONENTS TO BE PROVIDED WITH WATERTIGHT ACCESS PORTS WITHIN 6" OF FINISH GRADE.
- ALL SEPTIC TANKS, DISTRIBUTION BOXES AND PIPING TO BE INSTALLED WATERTIGHT.
- NO KNOWN WELLS EXIST WITHIN 100' OF PROPOSED LEACH AREA.
- EXCAVATE ALL UNSUITABLE SOIL AS NECESSARY 5' AROUND AND UNDER S.A.S. DOWN TO C LAYER AND REPLACE WITH CLEAN MEDIUM SAND.
- PROVIDE VENT WITH CHARCOAL FILTER ON S.A.S.
- WORK LIMIT TO BE STAKED SILT FENCE.
- DISTURBED AREAS TO BE REVEGETATED.

SEPTIC SYSTEM DESIGN PLAN

J.C. ELLIS DESIGN



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SUBJECT:

LOT 2 CARLIN'S WAY
 TRURO, MA

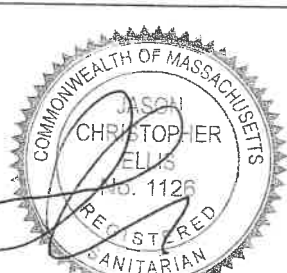
PREPARED FOR:

MARY G. DIGIOVANNI
 16 EDWARD DRIVE
 WINCHESTER, MA 01890

ASSESSOR'S
 MAP 0 PARCEL 0

DATE: MAY 10, 2004
 REVISED:

SHEET 2 OF 2



JASON C. ELLIS, R.S.