DESIGN DATA

PERCOLATION RATE: 5 MINUTES PER INCH
SOIL CLASS: CLASS I
DESIGN FLOW: 5 BEDROOMS x 165 GALLONS PER BEDROOM = 825 GALLONS
LOADING RATE: 0.74 GAL. PER SQ. FT.
SYSTEM SIZE REQUIRED: 825 GALLONS PER DAY / 0.74 = 1,115 SQ. FT.
SYSTEM SIZE PROVIDED: TWO 93' LONG x 4' WIDE TRENCHES TOTAL AREA = 1,116 SQ FT
SEPTIC TANK REQUIRED: 200% DAILY FLOW (2 x 825 GALLONS = 1,650 GALLONS).
SEPTIC TANK PROVIDED: USE NEW 2000 GALLON TWO COMPARTMENT SEPTIC TANK

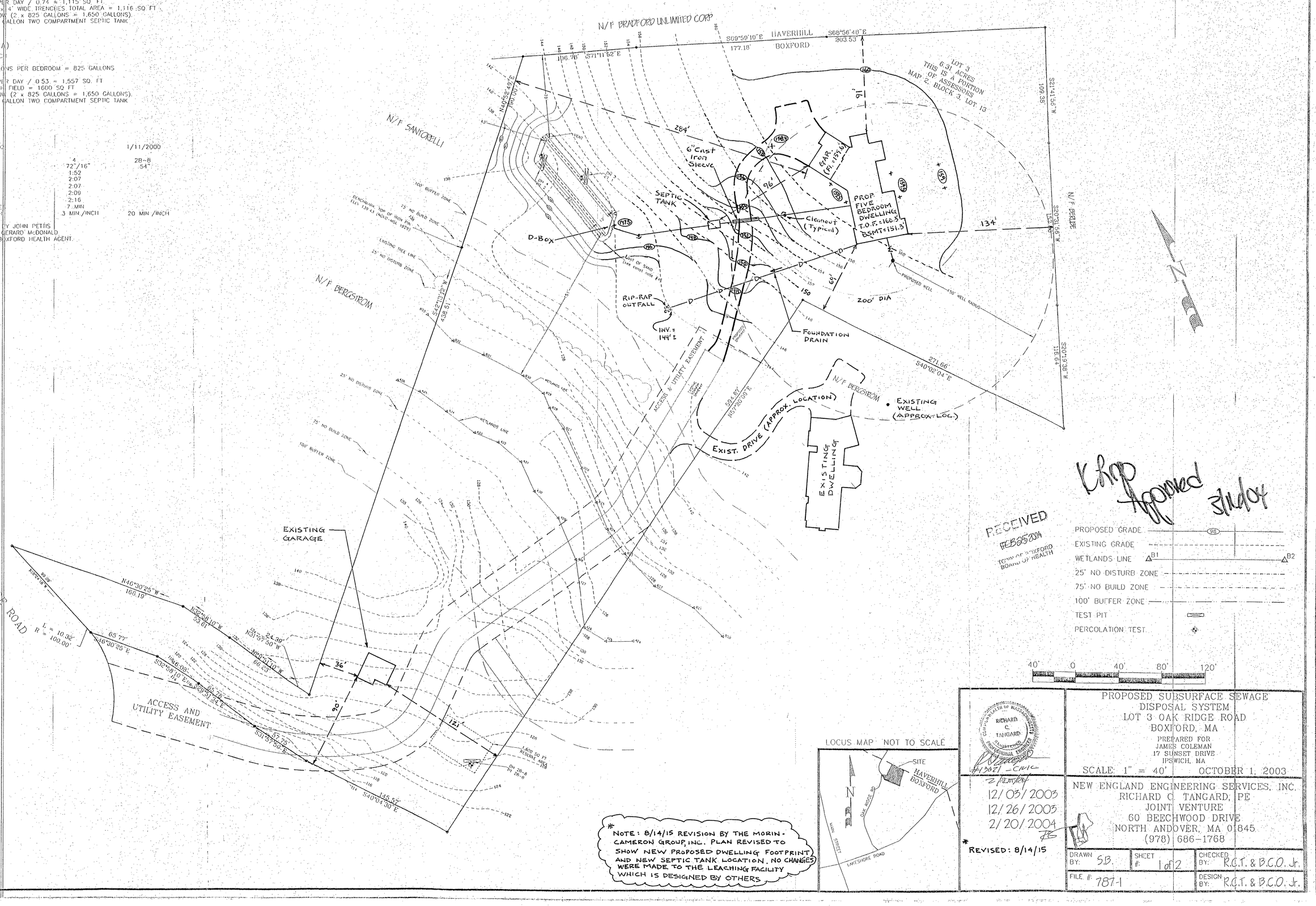
DESIGN DATA (RESERVE AREA)

PERCOLATION RATE: 20 MINUTES PER INCH
SOIL CLASS: CLASS II
DESIGN FLOW: 5 BEDROOMS x 165 GALLONS PER BEDROOM = 825 GALLONS
LOADING RATE: 0.53 GAL. PER SQ. FT.
SYSTEM SIZE REQUIRED: 825 GALLONS PER DAY / 0.53 = 1,557 SQ. FT
SYSTEM SIZE PROVIDED: 32' X 50' LEACH FIELD = 1600 SQ FT
SEPTIC TANK REQUIRED: 200% DAILY FLOW (2 x 825 GALLONS = 1,650 GALLONS).
SEPTIC TANK PROVIDED: USE NEW 2000 GALLON TWO COMPARTMENT SEPTIC TANK

PERCOLATION TEST

DATE:	10/8/2003		1/11/2000
HOLE#	3	4	2B-8
DEPTH OF PERC.	66"/16"	72"/16"	54"
START PRE SOAK	11:12	1:52	
END PRE SOAK	11:27	2:07	
TIME @ 12"	11:27	2:07	
TIME @ 9"	11:33	2:09	
TIME @ 6"	11:46	2:16	
TIME (9"-6")	13 MINUTES	7 MIN	
RATE MIN/INCH	5 MIN./INCH	3 MIN./INCH	20 MIN /INCH

PERCOLATION TESTS 3 & 4 PERFORMED BY JOHN PETTIS
PERCOLATION TEST 2B-8 PERFORMED BY GERARD McDONALD
TESTS WITNESSED BY KENDELL LONGO, BOXFORD HEALTH AGENT.



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TOWN OF BOXFORD
BOARD OF HEALTH

KHP Approved 3/4/04

PROPOSED GRADE 98
EXISTING GRADE
WETLANDS LINE B1 B2
25' NO DISTURB ZONE
75' NO BUILD ZONE
100' BUFFER ZONE
TEST PIT
PERCOLATION TEST

* NOTE: 8/14/15 REVISION BY THE MORIN-CAMERON GROUP, INC. PLAN REVISED TO SHOW NEW PROPOSED DWELLING FOOTPRINT AND NEW SEPTIC TANK LOCATION. NO CHANGES WERE MADE TO THE LEACHING FACILITY WHICH IS DESIGNED BY OTHERS

LOCUS MAP NOT TO SCALE

COMMONWEALTH OF MASSACHUSETTS
RICHARD C. TANGARD
REGISTERED PROFESSIONAL ENGINEER
13821 - CIVIL

12/03/2003
12/26/2003
2/20/2004

* REVISED: 8/14/15

PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM
LOT 3 OAK RIDGE ROAD
BOXFORD, MA

PREPARED FOR
JAMES COLEMAN
17 SUNSET DRIVE
IPSWICH, MA

SCALE: 1" = 40' OCTOBER 1, 2003

NEW ENGLAND ENGINEERING SERVICES, INC.
RICHARD C. TANGARD, PE
JOINT VENTURE
60 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
(978) 686-1768

DRAWN BY: S.B.	SHEET #: 1 of 2	CHECKED BY: R.C.T. & B.C.O. Jr.
FILE #: 787-1		DESIGN BY: R.C.T. & B.C.O. Jr.

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1 of 2