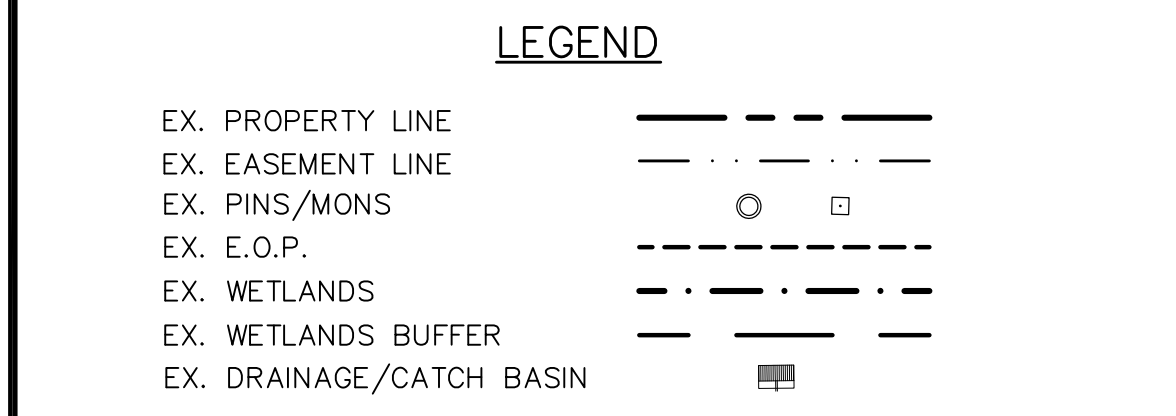
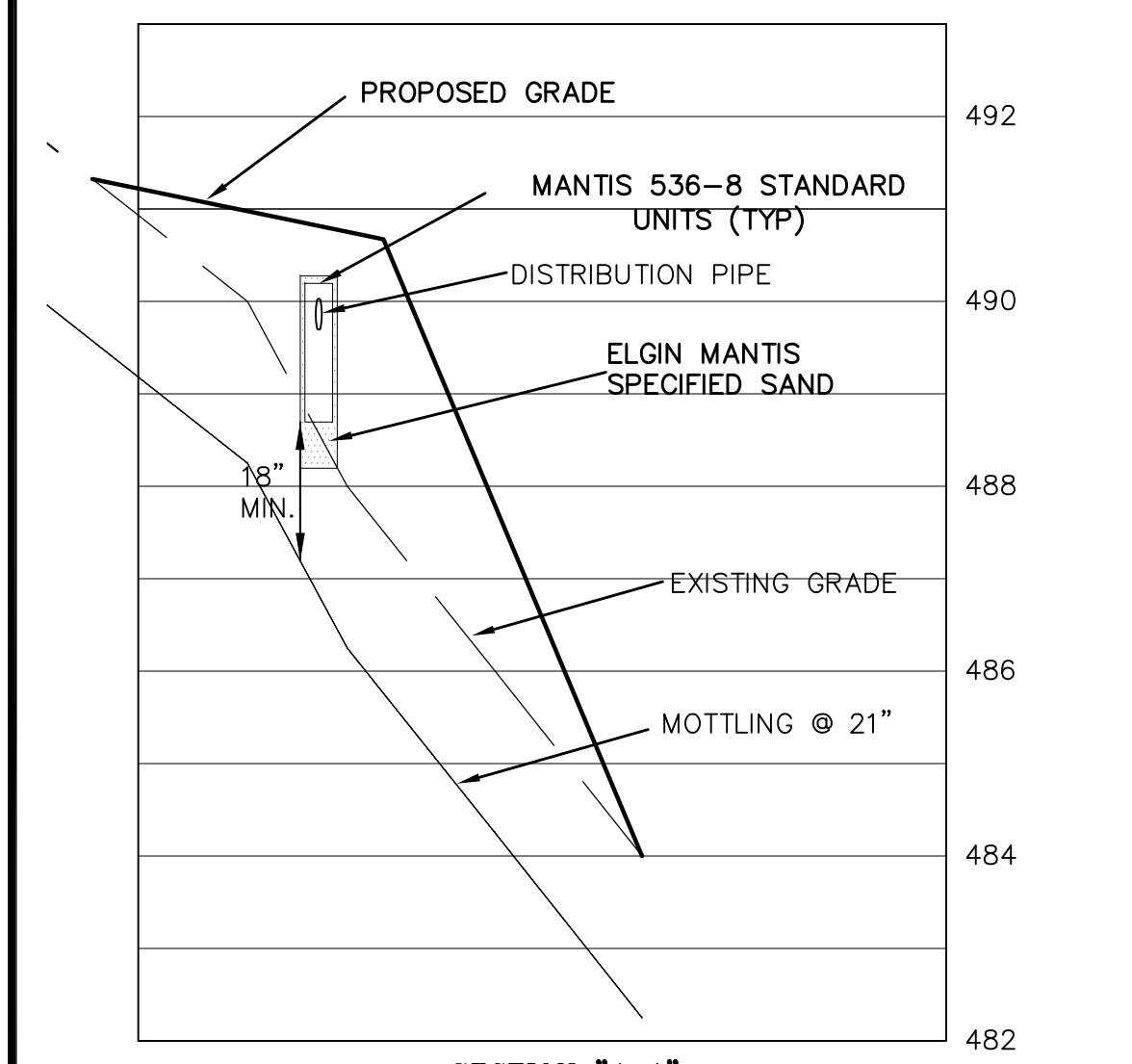


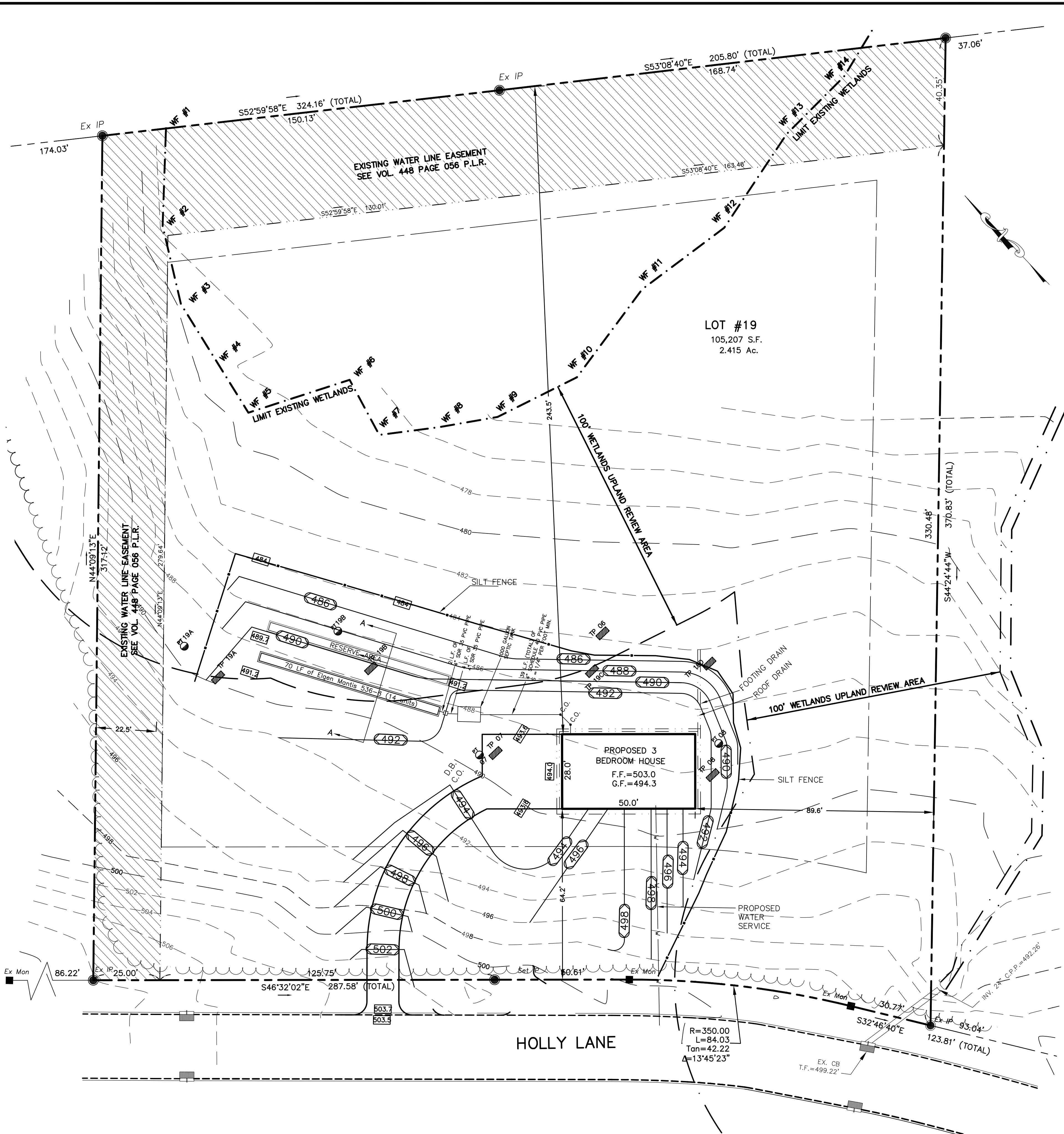
WETLANDS NOTE:
WETLANDS FLAGS SHOWN HEREON WERE FLAGGED BY THOMAS W. PIETRAS, SOIL SCIENTIST, ON SEPTEMBER 2, 2004, AND WERE FIELD LOCATED BY JONES ENGINEERING, LLC ON JUNE 30, 2005



ZONING REQUIREMENTS		
DISTRICT CODES FOR CATEGORY 'RA-1'		
DESCRIPTION	REQUIRED	PROPOSED
MIN. LOT AREA (SQ. FT.)	40,000	105,207
MIN. FRONT YARD (FT)	50'	64.2'
MIN. SIDE YARD (FT)	25'	88.6'
MIN. REAR YARD (FT)	25'	242.9'
MIN. BUILDABLE AREA (SQ. FT.)	18,000	27,055
MIN. FRONTAGE (AT FRONT SETBACK)	150'	316.2'
MAX. BUILDING COVERAGE (% AREA)	15%	1.3%
MAX. IMPERVIOUS AREA (% AREA)	30%	3.2%
MIN. FLOOR AREA (S.F.)	860	1,400



THESE DRAWINGS ARE INSTRUMENTS OF PROFESSIONAL SERVICE OF JONES ENGINEERING, LLC, AND HAVE BEEN PREPARED SPECIFICALLY FOR THE OWNER OF THIS PROJECT AT THIS SITE, AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE, LOCATION OR OWNER WITHOUT WRITTEN CONSENT OF JONES ENGINEERING, LLC.



SOIL TEST DATA
PERCOLATION TESTS WERE PERFORMED BY CHESPERCOTT HEALTH DISTRICT
P.T. 19A 10 MIN/INCH - 33" DEEP - 7/25/05
P.T. 19B 10 MIN/INCH - 24" DEEP - 7/25/05
P.T. 07 16 MIN/INCH - 9/11/96
P.T. 08 20 MIN/INCH - 9/11/96

DEEP TESTS PERFORMED ON JULY 21, 2005 BY CHESPERCOTT WITNESSED BY JONES ENGINEERING, LLC
D.T. #19A
0-24" TOPSOIL WITH MANY LARGE ROCKS & Boulders
24-43" BROWN GRVELLY FSL & COBBLES WITH COBBLES & BOULDERS
43-81" OLIVE BROWN GRVELLY FINE SAND WITH COBBLES & BOULDERS
*NO LEDGE
*GROUND WATER @ 67"
*MOTTLING @ 31"

D.T. #19B
0-14" TOPSOIL
14-30" STRONG BROWN GRVELLY FSL
30-84" LT OLIVE BROWN GRVELLY F.S. WITH COBBLES & BOULDERS
*NO LEDGE
*GROUND WATER @ 67"
*MOTTLING @ 25"

D.T. #19C
0-8" TOPSOIL
8-31" STRONG BROWN GRVELLY FSL
31-74" LT OLIVE BROWN GRVELLY FSL WITH COBBLES
*NO LEDGE
*NO GROUND WATER
*MOTTLING @ 15"

D.T. #19D
0-7" TOPSOIL
7-33" STRONG BROWN GRVELLY FSL
33-72" LT OLIVE BROWN GRVELLY FSL WITH COBBLES
*NO LEDGE
*NO GROUND WATER
*MOTTLING @ 18"

DEEP TESTS PERFORMED ON MAY 28, 1996 BY CHESPERCOTT
D.T. #07
0-10" TOPSOIL
10-31" OR/BRN FSL
31-70" COMPACT GREY/BRN SILTY SAND
*NO LEDGE
*GROUND WATER @ 27"
*MOTTLING @ 21"

D.T. #08
0-13" TOPSOIL
13-30" OR/BRN FSL
30-82" VERY COMPACT MOTTLED GREY/BRN SILTY SAND
*NO LEDGE
*HARDPAN @ 30"
*GROUND WATER @ 25"
*MOTTLING @ 20"

SEPTIC SYSTEM SPECIFICATIONS:
NUMBER OF BEDROOMS IN HOUSE: 3
LEACHING SYSTEM DESIGNED FOR: 3
PERCOLATION RATE OF 10.1-20 MIN/INCH SQUARE FEET OF LEACHING AREA REQUIRED: 750 S.F.
MINIMUM LEACHING SYSTEM SPREAD:
FLOW FACTOR: 1.5
PERC. FACTOR: 1.25
HYDRAULIC FACTOR: 28 (Avg. Slope: 1.3%)
(Rest. Layer: 21")
M.L.S.S.=(FF*P*HF)=52.5 LF
PROVIDED=70 LF

70 LF OF MANTIS 536-8 PROVIDING 770 S.F. OF EFFECTIVE LEACHING AREA (750 S.F. REQUIRED) SHALL BE CONSTRUCTED AS SHOWN ON THIS PLAN AND JONES ENGINEERING, LLC DETAIL SHEET.
MANTIS 536-8 TO BE LAID ALONG FINAL GRADES, GRADE TO DIRECT WATER AWAY FROM HOUSE & SYSTEM. NOTIFY THE TOWN HEALTH DEPARTMENT PRIOR TO CONSTRUCTION, AT LEAST 24 HOURS IN ADVANCE.

SEPTIC TANK DESIGN CRITERIA:
NUMBER OF BEDROOMS: 3 BDR=1,000 GAL
GARBAGE GRINDER: NO
LARGE TUB: /NO
TOTAL TANK VOLUME: 1,000 GAL
SEPTIC TANK TO BE CLEANED AT LEAST EVERY THREE YEARS OR AS OFTEN AS NECESSARY.

PRIMARY SEPTIC SYSTEM DESIGN ELEVATIONS

INVERT AT FOUNDATION	491.8±
INVERT SEPTIC TANK (IN)	490.30
INVERT SEPTIC TANK (OUT)	489.95
D-BOX (IN)	489.85
D-BOX (OUT)	489.85
MANTIS (IN)	489.70
BOTTOM OF MANTIS	488.70

THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.
NOT VALID UNLESS ENCLOSED SEAL IS AFFIXED HEREON.
JAMES E. JONES C.T. L.S. REC. NO. 12329 DATE

ENGINEER'S SEAL
NOT VALID UNLESS ENCLOSED SEAL IS AFFIXED HEREON.
FRANK J. CARILLI P.E. #22898

REVISIONS:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:

JONES ENGINEERING LLC
CIVIL ENGINEERING & LAND SURVEYING
88 MAIN STREET, SUITE 103
P.O. BOX 249
SOUTHINGTON, CT 06489
PHONE: (860) 621-0700
FAX: (860) 621-6066

SCALE: 1"=20'
DATE: 11/09/20
DRAWN BY: IEJ
CHECKED BY: F.C

PROPOSED PLOT PLAN & SEPTIC SYSTEM DESIGN
PREPARED FOR
LISA DUMOND
7 HOLLY LANE
PROSPECT, CONNECTICUT