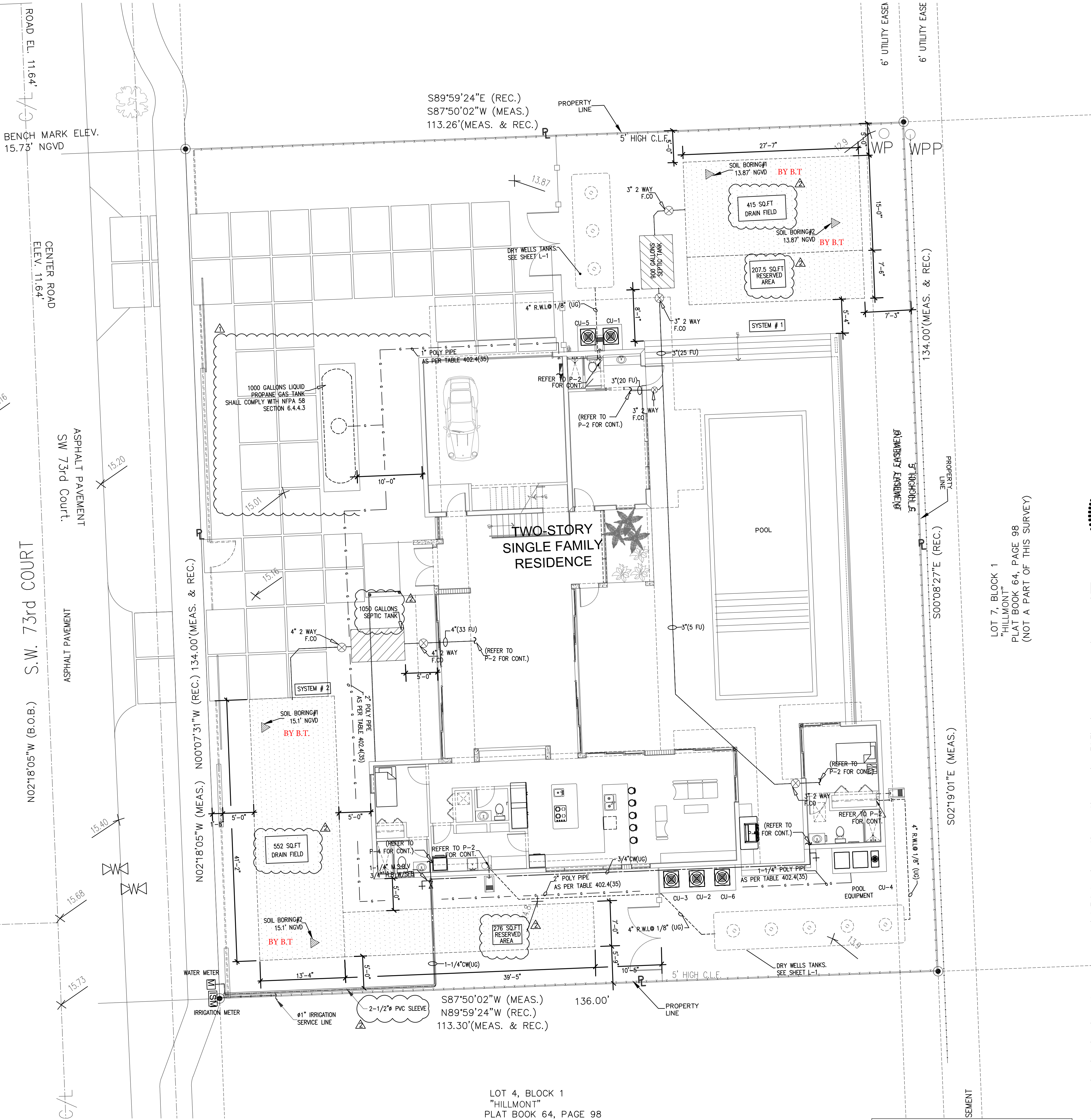


DRAIN FIELD AND SEPTIC TANK CALCULATION	
A/C AREA MAIN HOUSE (1ST FLOOR)	2333.67 SQ.FT
A/C AREA MAIN HOUSE (2ND FLOOR)	2546.44 SQ.FT
A/C AREA GUEST HOUSE	258.89 SQ.FT
TOTAL A/C AREA	5139.0 SQ.FT
AS PER TABLE I	
4 BEDROOMS WITH - 2251 - 3300 SQ.FT	400 GALLONS/DAY
FOR EACH ADDITIONAL BEDROOM OR 750 SQ.FT (WHICHEVER IS GREATER)	60 GALLONS/DAY
ADDITIONAL 1839.0 SQ.FT / 750 SQ.FT	180 GALLONS/DAY
6 BEDROOMS WITH - 5139.0 SQ.FT	580 GALLONS/DAY
1 ACRE = 43,560.0 SQ.FT	
LOT SIZE = 15,178.0 SQ.FT	871 G.P.D ALLOW TO DRAIN
SPLIT SYSTEM CALCULATIONS	
TOTAL F.U. - 58 F.U	
SYSTEM # 1 - 25 F.U = 43%	
SYSTEM # 2 - 33 F.U = 57%	
SYSTEM # 1 - 25 F.U = 43%	
580 GALLONS x 0.43 = 249 G.P.D	
AS PER TABLE II	
249 GPD	900 GALLONS TANK CAPACITY IS REQUIRED
249 G.P.D / 0.6 = 415 SQ.FT DRAIN FIELD REQUIRED/ 415 SQ.FT PROVIDED	
207.5 SQ.FT RESERVED AREA REQUIRED/207.5 SQ.FT EXISTING TO REMAIN	
622.5 SQ.FT TOTAL UNOBSTRUCTED AREA REQUIRED/622.5 SQ.FT EXISTING TO REMAIN	
SYSTEM # 2 - 33 F.U = 57%	
580 GALLONS x 0.57 = 331 G.P.D	
AS PER TABLE II	
331 GPD	1050 GALLONS TANK CAPACITY REQUIRED
331 G.P.D / 0.6 = 552 SQ.FT DRAIN FIELD REQUIRED/552 SQ.FT PROVIDED	
276 SQ.FT RESERVED AREA REQUIRED/276 SQ.FT PROVIDED	
828 SQ.FT TOTAL UNOBSTRUCTED AREA REQUIRED/828 SQ.FT PROVIDED	

NOTE:
THERE ARE NOT PERTINENT FEATURES ON ADJACENT PROPERTIES AND ACROSS THE STREET THAT MAY AFFECT THE SYSTEM INSTALLATION.



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NEW RESIDENCE
FOR
ELIGES INVESTORS CONSTRUCTION
AT
9841 SW 73rd COURT
PINECREST, FLORIDA 33156

STRUCTURAL ENGINEER: EASTERN ENGINEERING 3401 NW 82nd AVE. SUITE 370 MIAMI, FLORIDA 33122
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MECHANICAL ENGINEER:

CIVIL ENGINEER:

LANDSCAPE ARCHITECT:

ARCHITECT: HUMBERTO RAMOS AIA 0077833

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KEY PLAN:
08-09-22 B.D.C.
02-24-23 B.D.C.

COMM. NO.: 17-117 NO: REVISION: DATE:

DATE: JANUARY, 2022
DRAWN BY:

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