

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 HOUSE258.89 SQ.FT

TOTAL A/C AREA5139.0 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.FT180 GALLONS/DAY

6 BEDROOMS WITH ~ 5139.0 SQ.FT.....580 GALLONS/DAY

1 ACRE = 43'560.0 SQ.FT2500 G.P.D

LOT SIZE = 15'178.0 SQ.FT871 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 GPD900 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 GPD1050 GALLONS TANK CAPACITY REQUIRED

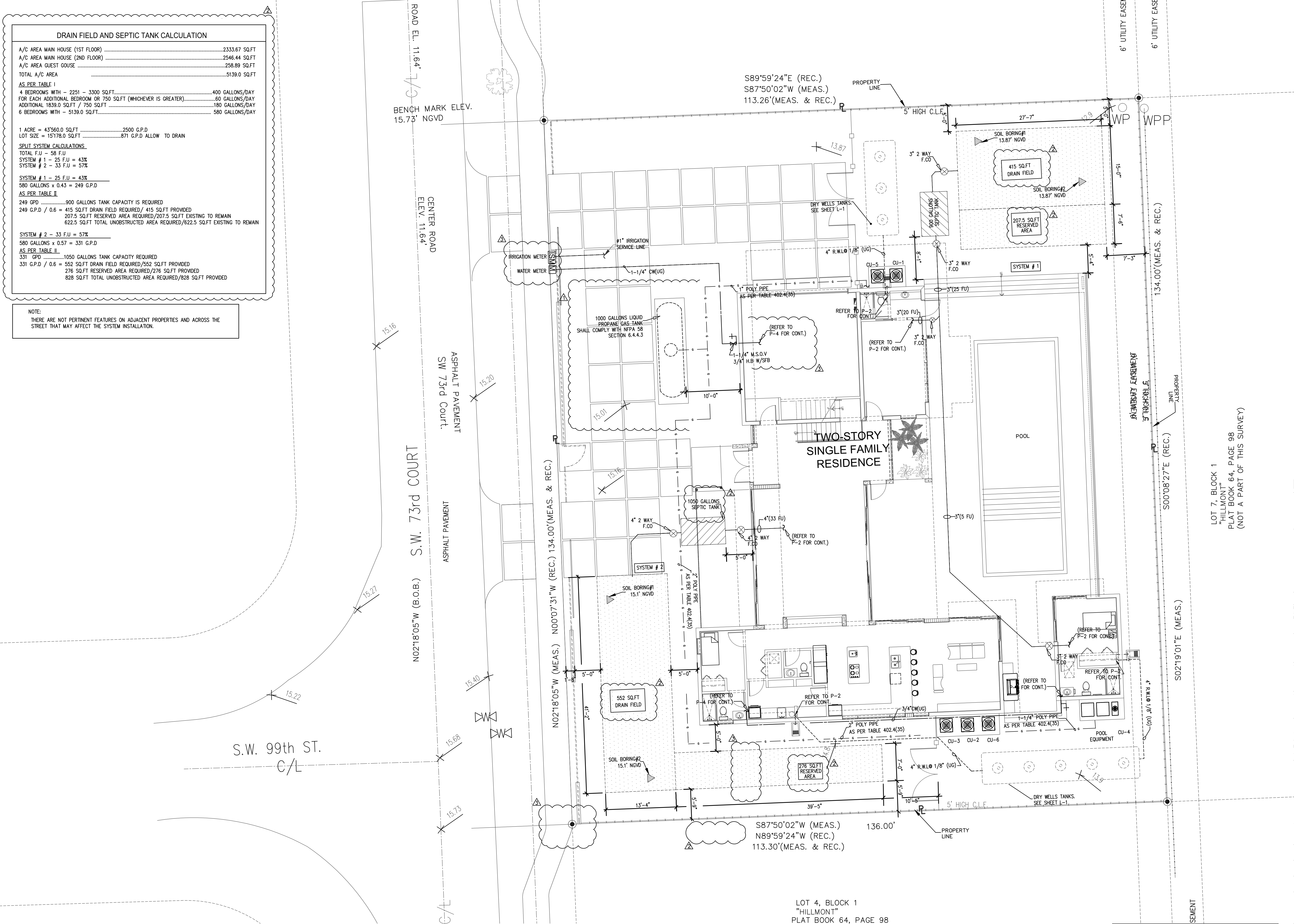
331 G.P.D / 0.6 = 552 SQ.FT DRAIN FIELD REQUIRED/552 SQ.FT PROVIDED

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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SEAL: MECHANICAL ENGINEER: ARCHITECT: HUMBERTO RAMOS AIT 0077833

CIVIL ENGINEER:
LANDSCAPE ARCHITECT:
KEY PLAN:

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