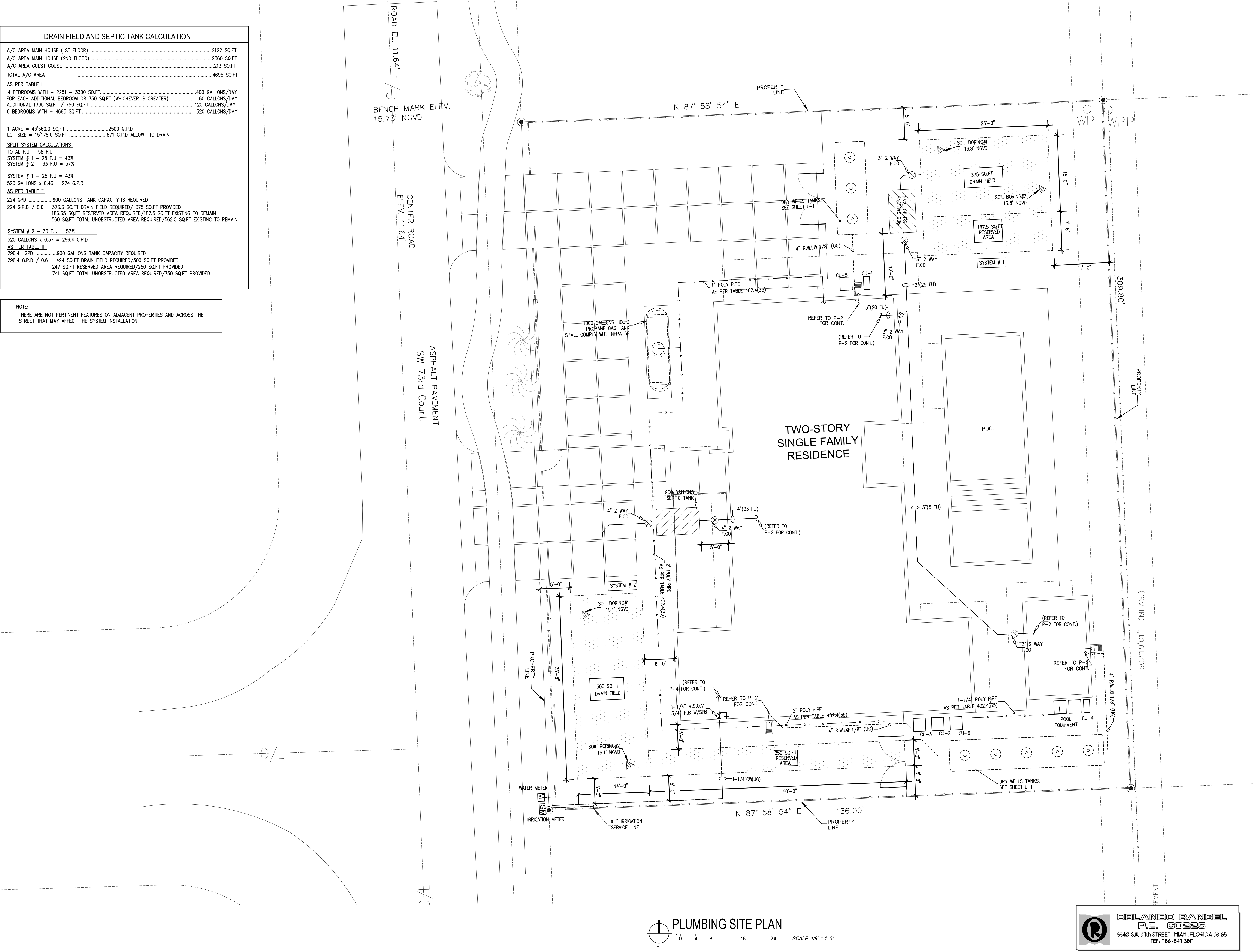


DRAIN FIELD AND SEPTIC TANK CALCULATION	
A/C AREA MAIN HOUSE (1ST FLOOR)	2122 SQ.FT
A/C AREA MAIN HOUSE (2ND FLOOR)	2360 SQ.FT
A/C AREA GUEST HOUSE	213 SQ.FT
TOTAL A/C AREA	4695 SQ.FT
<u>AS PER TABLE I</u>	
4 BEDROOMS WITH ~ 2251 ~ 3300 SQ.FT.....	400 GALLONS/DAY
FOR EACH ADDITIONAL BEDROOM OR 750 SQ.FT (WHICHEVER IS GREATER).....	60 GALLONS/DAY
ADDITIONAL 1395 SQ.FT / 750 SQ.FT	120 GALLONS/DAY
6 BEDROOMS WITH ~ 4695 SQ.FT.....	520 GALLONS/DAY
1 ACRE = 43'560.0 SQ.FT	
2500 G.P.D	
LOT SIZE = 15178.0 SQ.FT	871 G.P.D ALLOW TO DRAIN
<u>SPLIT SYSTEM CALCULATIONS</u>	
TOTAL F.U. = 58 F.U	
SYSTEM # 1 ~ 25 F.U. = 43%	
SYSTEM # 2 ~ 33 F.U. = 57%	
SYSTEM # 1 ~ 25 F.U. = 43%	
520 GALLONS x 0.43 = 224 G.P.D	
<u>AS PER TABLE II</u>	
224 GPD	
900 GALLONS TANK CAPACITY IS REQUIRED	
224 G.P.D / 0.6 = 373.3 SQ.FT DRAIN FIELD REQUIRED/ 375 SQ.FT PROVIDED	
186.65 SQ.FT RESERVED AREA REQUIRED/187.5 SQ.FT EXISTING TO REMAIN	
560 SQ.FT TOTAL UNOBSTRUCTED AREA REQUIRED/562.5 SQ.FT EXISTING TO REMAIN	
SYSTEM # 2 ~ 33 F.U. = 57%	
520 GALLONS x 0.57 = 296.4 G.P.D	
<u>AS PER TABLE II</u>	
296.4 GPD	
900 GALLONS TANK CAPACITY REQUIRED	
296.4 G.P.D / 0.6 = 494 SQ.FT DRAIN FIELD REQUIRED/500 SQ.FT PROVIDED	
247 SQ.FT RESERVED AREA REQUIRED/250 SQ.FT PROVIDED	
741 SQ.FT TOTAL UNOBSTRUCTED AREA REQUIRED/750 SQ.FT PROVIDED	

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



RAMOSMARTINEZarchitects

MIAMI 655 W FLAGLER ST. SUITE 205 MIAMI, FL 33130
NEW YORK 11 ERIE STREET 2nd FLOOR JERSEY CITY, NJ 07302
REGISTRATION: A.A.28000528
WEBSITE: www.ramq.com
TELEPHONE: 305-548-3006

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

STRUCTURAL ENGINEER: EASTERN ENGINEERING 3401 NW 86th AVE. SUITE 370 MIAMI, FLORIDA 33122
SEAL: SUITE 370 MIAMI, FLORIDA 33122 305-599-8133

MECHANICAL ENGINEER:

CIVIL ENGINEER:

LANDSCAPE ARCHITECT:

ARCHITECT: HUMBERTO RAMOS AIA 00717833

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KEY PLAN:



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DATE: JANUARY, 2022

DRAWN BY:

CONTENT:

SHEET NUMBER:

ORLANDO RANGEL
P.E. 60225
9940 SW 31th STREET MIAMI, FLORIDA 33165
TEF: 786-541 3511

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