

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.

BENCH MARK ELEV.
15.73' NGVD

CENTER ROAD
ELEV. 11.64

ASPHALT PAVEMENT
SW 73rd Court.

ASPHALT PAVEMENT

S.W. 73rd COURT

N02°18'05"W (MEAS.) N00°07'31"W (REC.) 134.00'(MEAS. & REC.)

S.W. 99th ST.
C/L

S89°59'24"E (REC.)
S87°50'02"W (MEAS.)
113.26'(MEAS. & REC.)

TWO-STORY
SINGLE FAMILY
RESIDENCE

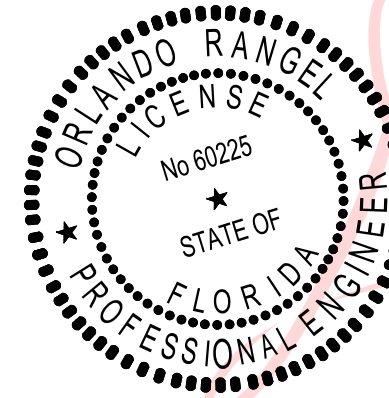
LOT 4, BLOCK 1
"HILLMONT"
PLAT BOOK 64, PAGE 98

PLUMBING SITE PLAN

SCALE: 1/8" = 1'-0"



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



Digitally signed by
ORLANDO RANGEL
DN: c=US, o=Florida,
dnQualifier=A01410D0
00001787FA816670000
F008, cn=ORLANDO
RANGEL
Date: 2023.05.26
09:58:43 -04'00'

RAMOSMARTINEZarchitects

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

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
SEAL: 305-548-3006 305-599-8133

MECHANICAL ENGINEER:

CIVIL ENGINEER:

LANDSCAPE ARCHITECT:

ARCHITECT:
HUMBERTO RAMOS
AIA 0077833

COPYRIGHT - 2021 - RAMOSMARTINEZarchitects, inc.
THE DESIGNS, IDEAS AND DETAIL INDICATED OR REPRESENTED BY THIS DRAWING, CREATED AND DEVELOPED FOR USE ON THIS PROJECT, ARE OWNED BY AND THE LEGAL PROPERTY OF RAMOSMARTINEZ architects, inc. USE, REPRODUCTION, DISTRIBUTION OR ALTERATION IS PROHIBITED WITHOUT WRITTEN AUTHORIZATION BY THE ARCHITECT.

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:

CONTENT:

SHEET NUMBER:

P-1