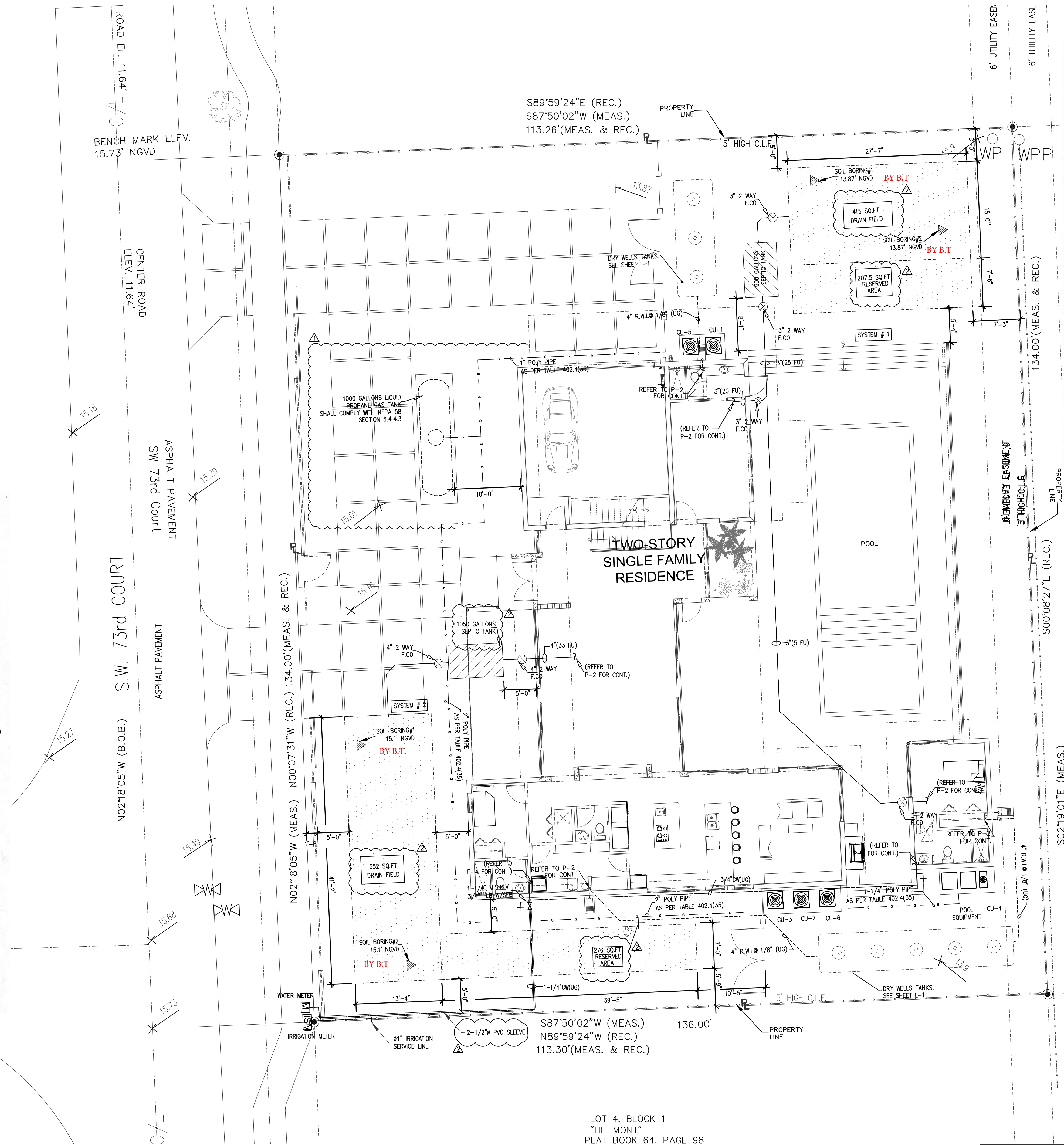


DRAIN FIELD AND SEPTIC TANK CALCULATION	
A/C AREA MAIN HOUSE (1ST FLOOR)	2333.67 SQ.FT
A/C AREA MAIN HOUSE (2ND FLOOR)	2546.44 SQ.FT
A/C AREA GUEST HOUSE	258.89 SQ.FT
TOTAL A/C AREA	5139.0 SQ.FT
AS PER TABLE I	
4 BEDROOMS WITH - 2251 - 3300 SQ.FT.	400 GALLONS/DAY
FOR EACH ADDITIONAL BEDROOM OR 750 SQ.FT (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.

APPROVED
FLORIDA HEALTH MIAMI-DADE COUNTY
PERMIT # AP1980554 System #2
DATE: 8/17/2023
SEPTIC TANK 1050 GAL. (MIN)
DRAINFIELD 522 SQ. FT. (MIN)
INSTALL 42" OF SLIGHTLY LIMITED SOIL UNDER BOTTOM OF DRAINFIELD
INVERT ELEVATION 13.1' NGVD
BOTTOM OF DRAINFIELD ELEVATED 12.6' NGVD
PERIMETER OF EXCAVATION AREA SHALL BE AT LEAST 2 FEET WIDER AND LONGER THAN THE PROPOSED ABSORPTION BED OR DRAIN TRENCH.

The contractor (or designee) is required to perform a soil boring adjacent to the drainfield excavation at the time of final inspection. Prior to Final Approval, the DOH inspector shall witness the soil boring and compare the results to the original site evaluation submitted. A reinspection fee will be assessed if the contractor is not at the jobsite at the arranged time.



PLUMBING SITE PLAN
SCALE: 1/8" = 1'-0"

APPROVED
FLORIDA HEALTH MIAMI-DADE COUNTY
PERMIT # AP1980548 System #1
DATE: 8/17/2023
SEPTIC TANK 900 GAL. (MIN)
DRAINFIELD 415 SQ. FT. (MIN)
INSTALL 42" OF SLIGHTLY LIMITED SOIL UNDER BOTTOM OF DRAINFIELD
INVERT ELEVATION 11.87' NGVD
BOTTOM OF DRAINFIELD ELEVATED 11.37' NGVD
PERIMETER OF EXCAVATION AREA SHALL BE AT LEAST 2 FEET WIDER AND LONGER THAN THE PROPOSED ABSORPTION BED OR DRAIN TRENCH.

The contractor (or designee) is required to perform a soil boring adjacent to the drainfield excavation at the time of final inspection. Prior to Final Approval, the DOH inspector shall witness the soil boring and compare the results to the original site evaluation submitted. A reinspection fee will be assessed if the contractor is not at the jobsite at the arranged time.

LOT 7, BLOCK 1
"HILLMONT"
PLAT BOOK 64, PAGE 98
(NOT A PART OF THIS SURV)

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

00001787FA816670000
F008, cn=ORLANDO
RANGEL
Date: 2023.05.26
09:58:43 -04'00'

MIAMI
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MIAMI, FL 33130

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NEW RESIDENCE
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PINECREST, FLORIDA 33156

STRUCTURAL ENGINEER:
EASTERN ENGINEERING
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MIAMI, FLORIDA 33122 305-599-8133

SEAL:
HUMBERTO RAMOS
APR 00717833

MECHANICAL ENGINEER:

CIVIL ENGINEER:

LANDSCAPE ARCHITECT:

ARCHITECT:
HUMBERTO RAMOS
APR 00717833

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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:
CONTENT:

SHEET NUMBER:

ORLANDO RANGEL
P.E. 60225
9940 S.W. 31th STREET MIAMI, FLORIDA 33165
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