



VICINITY MAP
SCALE: 1" = 600'

ELEVATION 23.6'		
ML	SILT LOAM	4.6
SW	MIXED SAND W/GRAVEL	7.7
S	COARSE SAND W/GRAVEL	4.7

NO GROUNDWATER ENCOUNTERED

EXISTING SITE DATA

SCTM # 900-102-1-21.003
 PROJECT AREA - 73,831 SF (1.70 ACRE)
 COUNTY OF SUFFOLK
 ZONING - HB HIGHWAY BUSINESS
 GROSS FLOOR AREA - 8,528 SF
 RESTAURANT - 5,890 SF
 APARTMENT A - 416 SF
 APARTMENT B - 815 SF
 STORAGE - 1,407 SF

TEST HOLE INFORMATION
 TEST HOLE PROVIDED BY BARRON ENVIRONMENTAL DATED FEB 22, 2022.

HIGHEST EXPECTED GROUNDWATER 7.7' BASED ON USGS GROUNDWATER CONDITIONS ON LONG ISLAND IN 2010.

ELEVATION DATUM: NAVD 1988
 FLOOD ZONE: X
 GROUND WATER MANAGEMENT ZONE: IV

PROJECT LOCATION: WEST OF MONTAUK HIGHWAY 163' NORTH OF WILLOW ROAD

BUILDING OWNER:
 OWL PARTNERS, LLC
 ATTN: JESSICA MARCHESE
 1020 MONTAUK HIGHWAY
 WATERMILL, NY 11976

ALL PROPERTIES WITHIN 150 LINEAL FEET OF THE PROPOSED PROJECT ARE EXCEPT 40 AND 60 WILLOW ROAD WHICH ARE IMPROVED/SERVED BY PRIVATE WELL AND 1004 MONTAUK HIGHWAY, 1011 MONTAUK HIGHWAY, 900-102-2-2.008 WICH ARE VACANT.

SANITARY FLOW CALCULATIONS

LOT AREA - 73,831 SF (1.70 ACRE)
 DENSITY CALCULATION: 1.70 ACRE X 600 GAL/DAY = 1,020 GAL/DAY
 FOOD SERVICE PERMIT - 100 SEATS (PERMIT NUMBER PT0001990)
 TOWN OF SOUTHAMPTON CERTIFICATE OF OCCUPANCY #10,812

EXISTING DENSITY EQUIVALENT EQUATION

RESTAURANT (100) SEATS - 100 SEATS * 10 GAL/SEAT/DAY = 1,000 GAL/DAY (SCDH FOOD PERMIT #PT00019990)
 APARTMENT A (416 SF) - 150 SF
 APARTMENT B (815 SF) - 225
 RESTAURANT STORAGE (1,407 SF) - INCLUDED IN RESTAURANT
 TOTAL POPULATION DENSITY EQUIVALENT - 1,375 GAL/DAY

SEPTIC SYSTEM CALCULATIONS

TRASH TANK
 REQUIRED TRASH TANK: 1 DAY X 1,375 GPD = 1,375 GPD
 PROVIDED: (1) 10' x 4' EFFECTIVE DEPTH = 2,000 GALLON

TREATMENT TANK
 REQUIRED I/A OWTS: 1 DAY X 1,375 GPD = 1,375 GPD
 PROVIDED: (1) FUJICLEAN CEN21 (1,900 GPD)

GREASE TRAP
 REQUIRED GREASE TRAP: 1 DAY X 2,000 GPD = 2,000 GALLON
 PROVIDED: (1) 10' x 4' EFFECTIVE DEPTH = 2,000 GALLON

SEPTIC TANK
 REQUIRED SEPTIC TANK: 2 DAY X 2,000 GPD = 4,000 GALLON
 PROVIDED: (2) 10' x 4' EFFECTIVE DEPTH = 4,000 GALLON

LEACHING POOL
 REQUIRED LEACHING POOL: 3,375 GPD / 1.5 GPD/SF = 2,250 SF
 PROVIDED: (13) 8' x 6.5' EFFECTIVE DEPTH = 2,287 SF

- PROP SEPTIC SYSTEM
- 10' x 4' TRASH TANK (TT) 2,000 GALLON
 - 10' x 4' GREASE TRAP (GT) 2,000 GALLON
 - 10' x 4' SEPTIC TANK (ST) 4,000 GALLON
 - FUJICLEAN CEN21 (OWTS) 1,900 GPD
 - 8' x 6.5' EFFECTIVE DEPTH PRECAST CONCRETE DISTRIBUTION POOLS (DP)
 - 8' x 6.5' EFFECTIVE DEPTH PRECAST CONCRETE LEACHING POOLS (LP)
 - EXPANSION POOLS (EP)

NOTES:

- OWTS SHALL BE TESTED FOR WATER TIGHTNESS PRIOR TO ARRIVING ON SITE USING A METHOD APPROVED BY THE MANUFACTURER.
- A FUJI CLEAN REPRESENTATIVE WILL BE PRESENT DURING SYSTEM START UP. THE OWTS INSTALLER SHALL HOLD AN I/A OWTS ENDORSEMENT FROM SUFFOLK COUNTY DEPARTMENT OF HEALTH AND SHALL BE AN AUTHORIZED INSTALLER.
- THE OWTS INSTALLER SHALL REGISTER THE ONSITE TREATMENT SYSTEM WITH SUFFOLK COUNTY DEPARTMENT OF HEALTH.
- THE SURVEYOR OF RECORD SHALL PROVIDE RECORD DOCUMENTS AS REQUIRED BY SCDH.
- AN EXECUTED OPERATION AND MAINTENANCE CONTRACT BETWEEN THE MAINTENANCE PROVIDER AND THE PROPERTY OWNER SHALL BE PROVIDED BY THE INSTALLER. THE SERVICE CONTRACT SHALL BE FOR A MINIMUM OF 3-YEARS.
- CONTRACTOR SHALL CONFIRM INVERT ELEVATION PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES.
- PROVIDE DEDICATED BREAKER IN THE MAIN BUILDING ELECTRICAL PANEL FOR THE OWTS.
- SEPTIC SYSTEM SHALL BE CONNECTED TO THE EMERGENCY GENERATOR IN CASE OF POWER OUTAGES.
- TRAFFIC RATED OLDCASTLE PRECAST PULL BOX MODEL B1017 BOX WITH WATERTIGHT STEEL CHECKER COVER NO. B1017-S1JH OR APPROVED EQUAL.
- ALL KITCHEN WASTE LINES SHALL BE COLLECTED AND ROUTED DIRECTLY TO THE GREASE TRAP.
- RESIDENTIAL (2ND FLOOR) AND ALL NON-KITCHEN WASTE LINES SHALL BE COLLECTED AND ROUTED DIRECTLY TO THE I/A OWTS.

SANITARY CALCULATIONS

QUANTITY	DENSITY	KITCHEN	DENSITY GRAY WATER	HYDRAULIC		
RESTAURANT (PER SEAT) INDOOR	100	10	20	1000	2000	3000
APARTMENT A <600 SF	1	150	0	150	0	150
APARTMENT B <600-1200	1	225	0	225	0	225
STORAGE (INCLUDED IN RESTAURANT)				0	0	0
BASEMENT (MECHANICAL SPACE ONLY) ACCESSED VIA LADDER				0	0	0
TOTAL DENSITY AND FLOW			1375	2000	3375	

CALISSA 1020 MONTAUK HIGHWAY

HAMLET OF
WATERMILL

TOWN OF
SOUTHAMPTON

Prepared By:

TF Engineering, PLLC
 P.O. BOX 596
 SAG HARBOR, NY 11963



SCALE: PER PLAN
 JOB NUMBER: 22-015

NO. DATE DESCRIPTION

DRAWN BY: DWR, IPM

DESIGNED BY: DWR

CHECKED BY:

DATE: APRIL 6, 2022

SCTM# 900-102-1-21.003

SEPTIC SITE PLAN

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