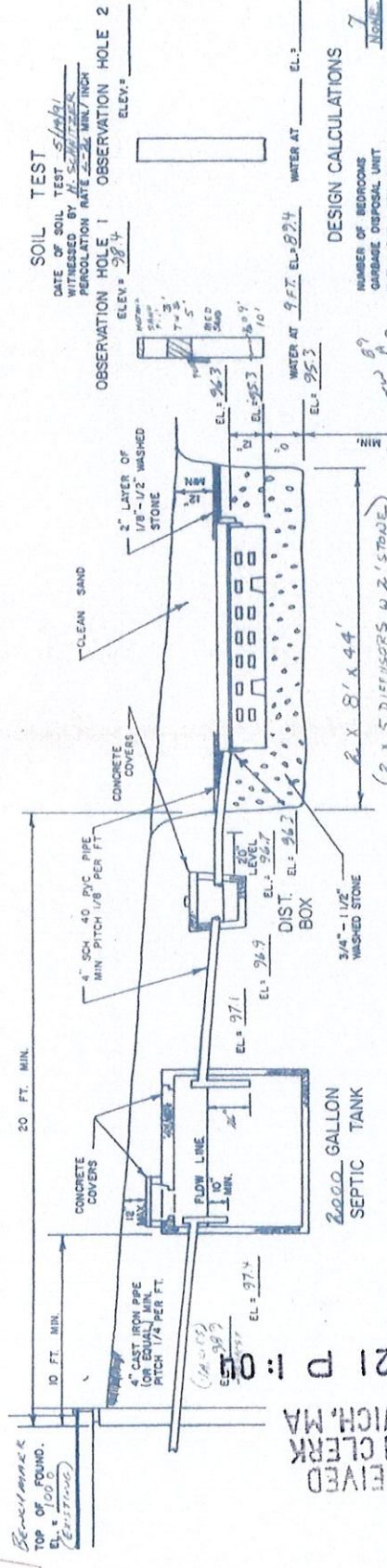


UPGRADE OF SYSTEM

BDT



SEWAGE DISPOSAL SYSTEM PROFILE
NOT TO SCALE

DESIGN CALCULATIONS

NUMBER OF BEDROOMS: 7
 GARAGE DISPOSAL UNIT: NONE
 TOTAL ESTIMATED FLOW: 980 GAL/DAY
 REQUIRED SEPTIC TANK CAPACITY: 980 GAL/DAY
 ACTUAL SIZE OF SEPTIC TANK: 2000 GAL/DAY
 LEACHING AREA REQUIREMENTS:
 SIDEWALL AREA: 2.5 GAL/SF
 BOTTOM AREA: 7.0 GAL/SF
 LEACHING CAPACITY (BOTTOM + SIDEWALL): 12.5 GAL/DAY
 RESERVE LEACHING CAPACITY: 12.5 GAL/DAY

NOTES:

- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO DEF. TITLE 9 AND THE TOWN OF HARVICH. RULES AND REGULATIONS FOR THE SUBURBAN DEPARTMENT OF SEWER.
- ALL COVERS TO SANITARY UNITS SHALL BE BROUGHT TO WITHIN 12" OF FINISHED GRADE.
- EXISTING AND FINAL GRADES SHALL REMAIN ESSENTIALLY THE SAME.
- ALL COMPONENTS OF THE SANITARY SYSTEM SHALL BE CAPABLE OF WITHSTANDING N-10 LOADING UNLESS THEY ARE UNDER OR WITHIN 10 FT OF DRIVES OR PARKING AREAS. N-10 LOADING SHALL BE USED UNDER OR WITHIN 10 FT OF DRIVES OR PARKING AREAS.
- ANY MASONRY UNITS USED TO BRING COVERS TO GRADE SHALL BE MONITORED IN PLACE.
- NO DETERMINATION HAS BEEN MADE AS TO COMPLIANCE WITH DECEDED OR ZONING REGULATIONS. OWNER/APPLICANT IS TO OBTAIN SUCH DETERMINATION FROM APPROPRIATE AUTHORITY.

LEGEND:

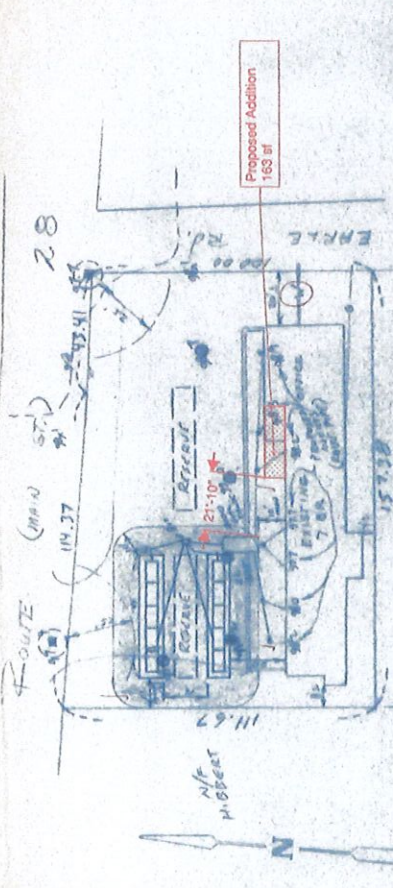
- EXISTING SPOT ELEVATION: 000
- EXISTING CONTOUR: 000
- FINAL SPOT ELEVATION: 000
- FINAL CONTOUR: 000
- SOIL TEST LOCATION: 000
- UTILITY POLE: 000
- TOWN WATER: 000
- CATCH BASIN: 000

BOTTOM OF TEST HOLE OR USDB PROBABLE WATER TABLE EL. 95.3
 OBSERVED WATER TABLE (5' IN 1") EL. 95.3

Existing: 7 BR (980 gpd)
 1393 sf of office space (75 gpd/1000 sf)
 Leaching Capacity existing = 1224 GPD
 Total Est GPD = 980 gpd + 1393.43 sf (75 gpd/1000 sf) = 1083.75 gpd
 Proposed GPD = 980 gpd + 1546.43 sf (75 gpd/1000 sf) = 1085.98 gpd
 Tank capacity need = 1085.98 gpd x 1.5 = 1643.97 gpd
 Existing Tank capacity = 2000 gpd

Proposed by: [Signature]
 Labarge Engineering & Contracting
 Using site plan titled "Upgrade of Sewer System", dated 5-23-1991,
 scale: 1"=30', prepared by TADCO Environmental Consultants
 Addition dated 06/19/2023

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Zoning District: C-H-1	
Subject	Proposed
Lot Area	16,715 sf
Existing	20,000 sf
Frontage	157.78 ft
Front Setback	100 ft
Side 1 Setback	25 ft
Side 2 Setback	10 ft
Rear Setback	20 ft
Building Coverage	4 ft
Building Height	18.6% max
	26.5 ft

DATE: _____ AGENT: _____

PROJECT LOCATION: 257 N. 28 (Corner 5th & W. Harvich)

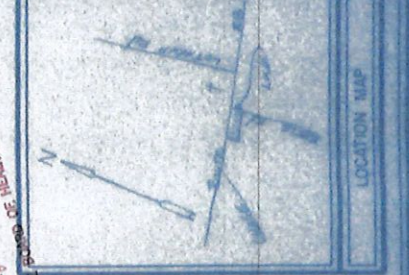
SPECIFIC: Virginia Museum

TADCO ENVIRONMENTAL CONSULTANTS
 P.O. BOX 48, EAST HARVICH, MA 02642
 TEL: 508-257-0171 FAX: 508-257-0171

DATE: 6-23-21

PROJECT NO: 257-0171

SHEET 1 OF 1



TOWN OF HARVICH
 1231
 DATE
 FOR THE BOARD OF HEALTH

