

- 1. ALL CHANGES TO THIS PLAN MUST BE APPROVED BY THE LOCAL BOARD OF HEALTH AND THE DESIGN ENGINEER.
- 2. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE STATE ENVIRONMENTAL CODE, TITLE V, AND ANY APPLICABLE LOCAL RULES AND REGULATIONS, EXCEPT AS REQUESTED BELOW:
 - 1) A 4' variance, S.A.S. to side property line, for a 6' setback.
 - 2) A 5' variance, S.A.S. to front property line, for a 5' setback.
 - 3) A 5' variance, septic tank to side property line, for a 5' setback.

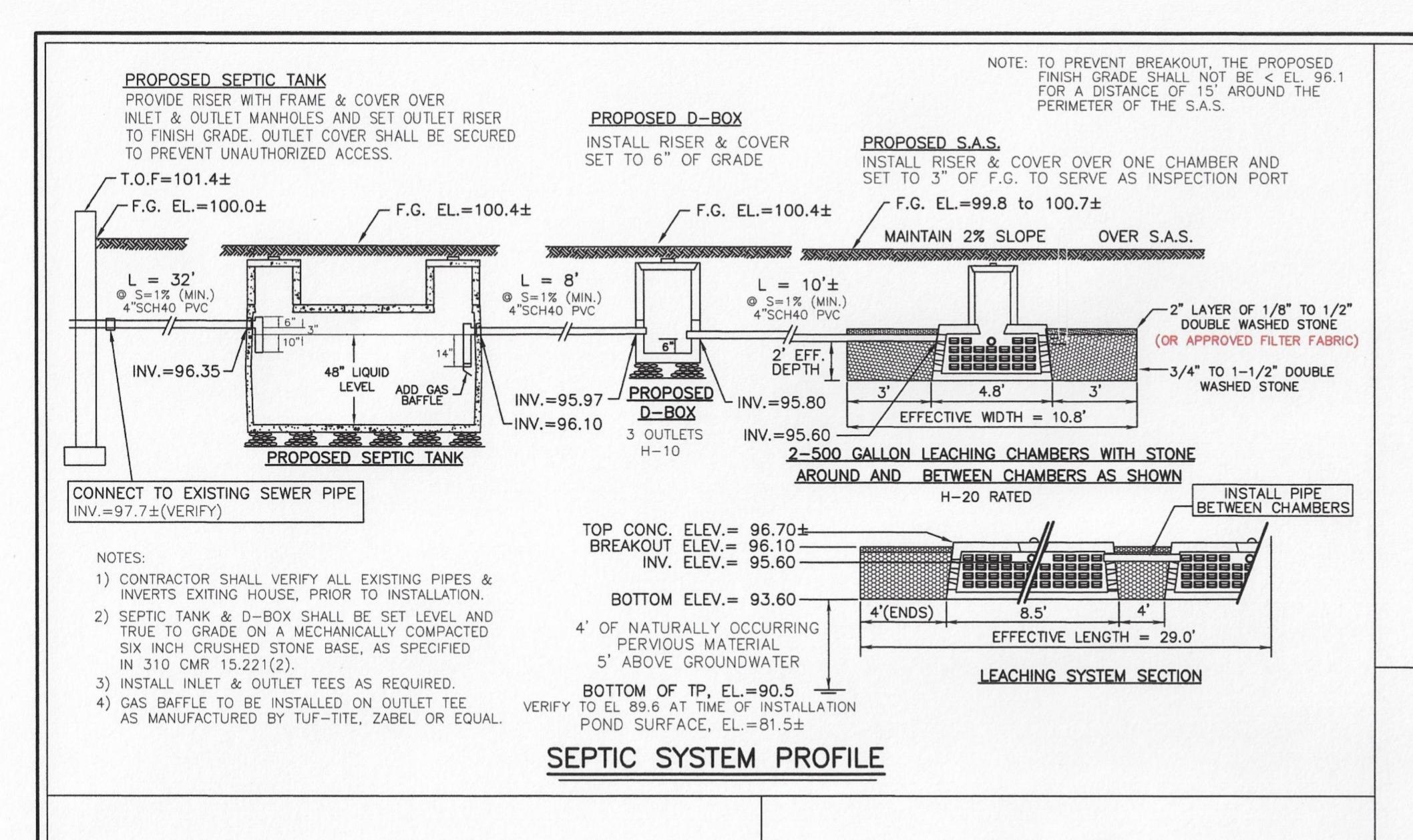
LOCUS MAP

- 4) A 9' variance, S.A.S. to cellar wall, for an 11' setback.
- 5) A 5' variance, septic tank to cellar wall, for a 5' setback.
- 6) A 1'± variance, to the 3' max. depth of cover requirement, for 4'± of cover over the S.A.S.
- -LOCAL REGULATION 150' SETBACK TO WETLANDS
- 7) A 74' variance, S.A.S. to B.V.W., for a 76' setback.
- 3. THE SEWAGE DISPOSAL SYSTEM SHALL NOT BE BACKFILLED PRIOR TO INSPECTION AND APPROVAL BY THE BOARD OF HEALTH AND THE
- 4. ANY CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFERING FROM THOSE SHOWN HEREON SHALL BE REPORTED TO THE DESIGN ENGINEER BEFORE CONSTRUCTION CONTINUES.
- 5. ALL ELEVATIONS BASED ON AN ASSUMED DATUM.
- 6. THE DESIGN ENGINEER IS NOT RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR OR OWNER TO NOTIFY THE LOCAL BOARD OF HEALTH FOR PROPER INSPECTIONS DURING CONSTRUCTION.
- 7. WATER SUPPLY PROVIDED BY TOWN WATER SERVICE.
- 8. THERE ARE NO WELLS WITHIN 100' OF THE PROPOSED S.A.S.
- 9. ALL AREAS CLEARED FOR CONSTRUCTION SHALL BE RESTORED AS AGREED UPON BY OWNER AND CONTRACTOR OR AS OTHERWISE DIRECTED BY THE APPROVING AUTHORITIES.
- 10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. PRIOR TO BEGINNING
- 11. WHERE REQUIRED, CONTRACTOR SHALL REMOVE ALL UNSUITABLE SOILS IN THE AREA BENEATH AND FOR 5' ON ALL SIDES OF THE S.A.S. AND REPLACE WITH CLEAN SAND AS SPECIFIED IN 310 CMR 255(3).
- 12. AREAS REQUIRING STRIPOUT OF UNSUITABLE MATERIALS SHALL BE INSPECTED BY DESIGN ENGINEER PRIOR TO BACKFILL
- 13. THIS PLAN IS TO BE USED FOR SEPTIC SYSTEM PURPOSES ONLY AND NOT CONSIDERED TO BE A PROPERTY LINE SURVEY.
- 14. THE ENGINEER IS NOT RESPONSIBLE FOR ANY UNDUCOMENTED SEPTIC SYSTEM COMPONENTS NOT SHOWN ON THE PLAN.

PROPOSED SEPTIC SYSTEM UPGRADE PLAN 64 WILLIAMS AVENUE, POCASSET, MA

Prepared for: Mark Carchidi, 370 Cotuit Road, Sandwich, MA 02563

- 1	Engineering by: Engineering Works, Inc.	SCALE 1"=20'	DRAWN P.T.M.	JOB. NO. 139−21
	12 West Crossfield Road, Forestdale, MA 02644	DATE	CHECKED	SHEET NO.
	(508) 477-5313	6/1/21	P.T.M.	1 of 2



DESIGN CRITERIA

NUMBER OF BEDROOMS: 3 BEDROOMS

SOIL TEXTURAL CLASS: CLASS I (LOADING RATE=0.74 GPD/SF)

DESIGN PERCOLATION RATE: <2 MIN/IN

DAILY FLOW: 330 GPD

DESIGN FLOW: 330 GPD

GARBAGE GRINDER: NO-not allowed with design

LEACHING AREA REQUIRED: (330 GPD) = 445.9 SF

.74 GPD/SF

PROPOSED SEPTIC TANK: 1500 GALLON CAPACITY

PROPOSED D-BOX: 1 INLET, 3 OUTLET (MIN.), H-10 RATED

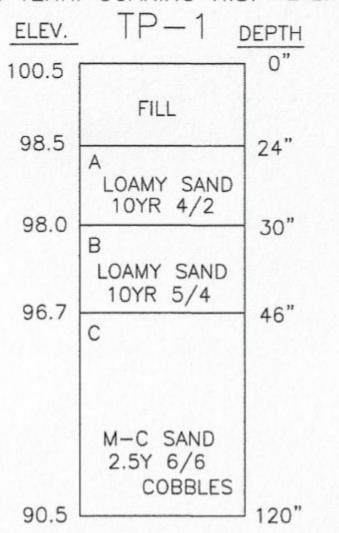
USE 2-500 GALLON LEACHING CHAMBERS IN SERIES WITH STONE AROUND AND BETWEEN CHAMBERS (10.8' x 29.0')

SIDEWALL AREA: $2(10.8' + 29.0') \times 2 = 159.2 \text{ SF}$ MINUS SIDEWALL ADJACENT TO TANK: $10' \times 2 = -20.0 \text{ SF}$ BOTTOM AREA: $10.8' \times 29.0' = 313.2 \text{ SF}$

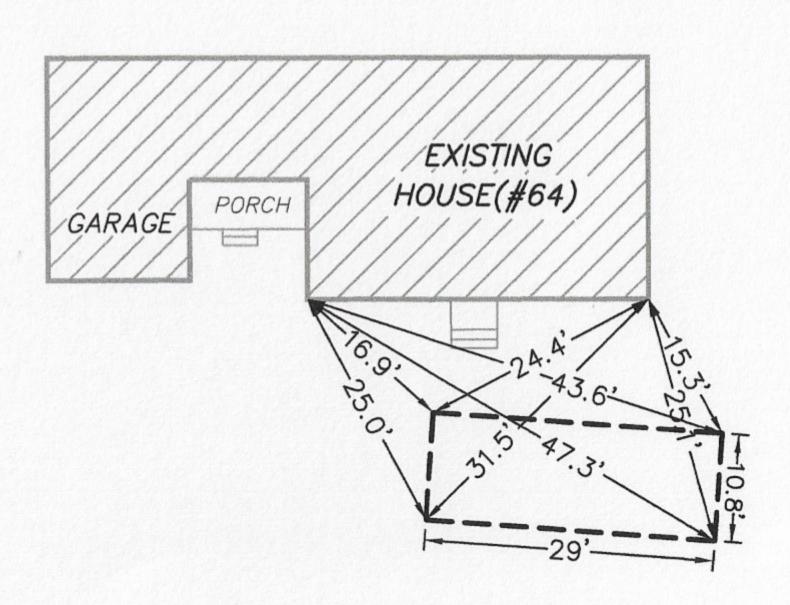
DESIGN FLOW PROVIDED: 0.74 GPD/SF(452.4 SF) = 334.8 GPD

SOIL LOG

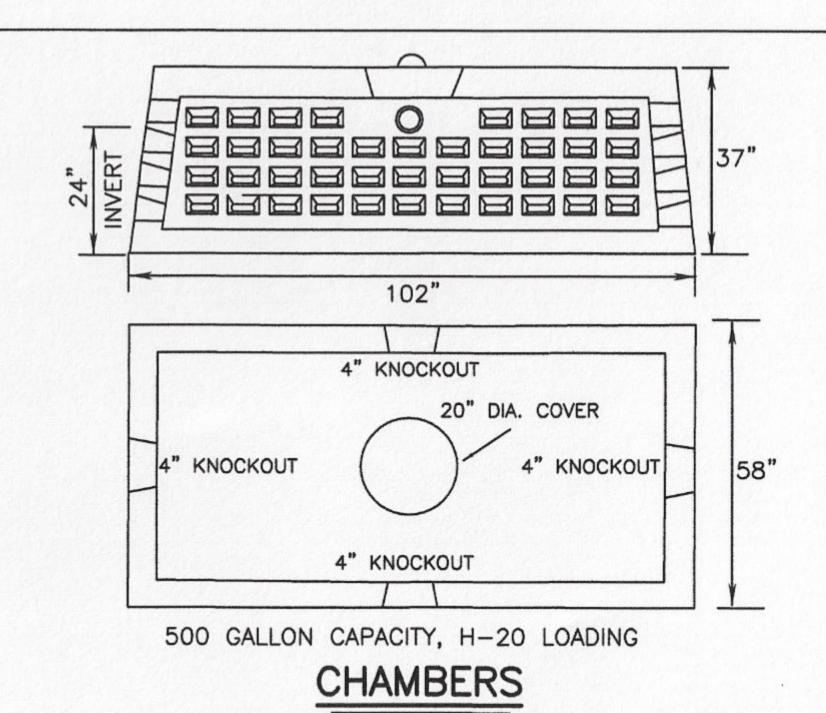
DATE: MAY 12, 2021 SOIL EVALUATOR: PETER McENTEE SE#1542 WITNESS: TERRI GUARINO R.S. HEALTH AGENT



PERC RATE <2 MIN/IN. "C" HORIZON NO GROUNDWATER ENCOUNTERED



SEPTIC LAYOUT



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