

LEGEND	
99	EXISTING CONTOUR
X 99.1	EXIST. SPOT ELEV.
-(99)	PROPOSED CONTOUR
[98.4]	PROPOSED SPOT EL.
TH1	TEST HOLE
2%	SLOPE OF GROUND
U	UTILITY POLE
FH	FIRE HYDRANT

NOTE: NOT ALL SYMBOLS MAY APPEAR IN DRAWING

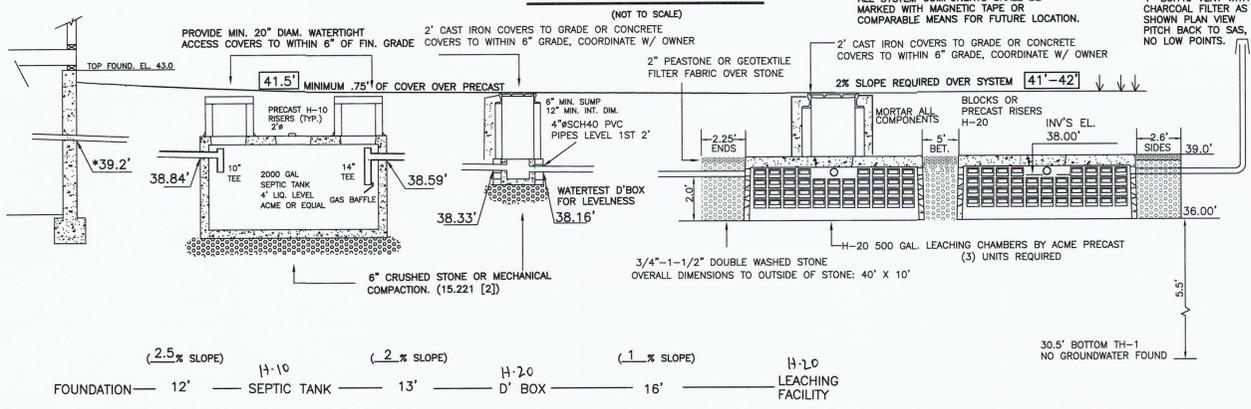
SYSTEM DESIGN:

GARBAGE DISPOSER IS NOT ALLOWED
 PROPOSED 4 BEDROOM DWELLING
 DESIGN FLOW: 4 BEDROOMS @ 110 GPD = 440 GPD
 USE A 440 GPD DESIGN FLOW
 SEPTIC TANK: 440 GPD (4.5) = 1980
 USE A 2000 GAL. SEPTIC TANK
 LEACHING:
 SIDES: 2 (40 + 10) 2 (.74) = 148 GPD
 BOTTOM 40 x 10 (.74) = 296 GPD
 TOTAL: 600 S.F. 444 GPD
 USE (3) 500 GAL. LEACHING CHAMBERS (ACME OR EQUAL)
 WITH 2.25' STONE AT ENDS 5' BETWEEN UNITS AND 2.6'
 AT SIDES

*THE INSTALLER SHALL VERIFY THE LOCATIONS OF ALL UTILITIES AND ALL BUILDING SEWER OUTLETS AND ELEVATIONS PRIOR TO INSTALLING ANY PORTION OF SEPTIC SYSTEM

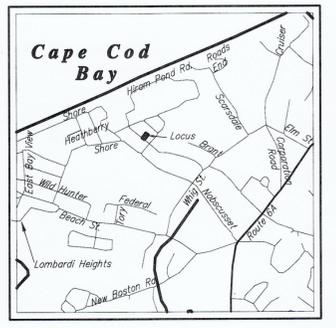
APPROVED _____ DATE _____ BOARD OF HEALTH _____, MA

SYSTEM PROFILE



NOTES

- DATUM IS NAVD 88
- MUNICIPAL WATER IS EXISTING
- MINIMUM PIPE PITCH TO BE 1/8" PER FOOT.
- DESIGN LOADING FOR ALL PROPOSED PRECAST UNITS TO BE AASHO H-20 (H-10 TANK)
- PIPE JOINTS TO BE MADE WATERTIGHT.
- CONSTRUCTION DETAILS TO BE IN ACCORDANCE WITH 310 CMR 15.000 (TITLE 5.)
- THIS PLAN IS FOR PROPOSED WORK ONLY AND NOT TO BE USED FOR LOT LINE STAKING OR ANY OTHER PURPOSE.
- PIPE FOR SEPTIC SYSTEM TO SCH. 40-4" PVC.
- COMPONENTS NOT TO BE BACKFILLED OR CONCEALED WITHOUT INSPECTION BY BOARD OF HEALTH AND PERMISSION OBTAINED FROM BOARD OF HEALTH.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING DIGSAFE (811) AND VERIFYING THE LOCATION OF ALL UNDERGROUND & OVERHEAD UTILITIES PRIOR TO COMMENCEMENT OF WORK.
- ANY UNSUITABLE MATERIAL ENCOUNTERED SHALL BE REMOVED BENEATH AND 5' AROUND THE PROPOSED LEACHING FACILITY.
- EXISTING LEACHING FACILITY SHALL BE PUMPED AND REMOVED OR PUMPED AND FILLED WITH CLEAN SAND.
- OWNER'S ENGINEER TO PERFORM INSPECTIONS OF THE FINAL INSTALLATION. MINIMUM OF 24 HOURS NOTICE REQUIRED.

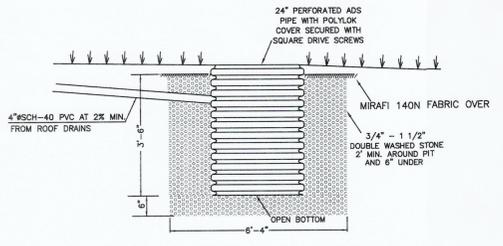


LOCUS MAP
 SCALE 1"=2000'±
 ASSESSORS MAP 367 PARCEL 32

ZONING SUMMARY

ZONING DISTRICT: R-40 DISTRICT

	REQUIRED:	EXISTING:	PROPOSED:
MIN. LOT SIZE	40,000 S.F.	11,250 S.F.±	11,250 S.F.±
MIN. LOT FRONTAGE	50'	75'	75'
MIN. LOT WIDTH	100'	75'	75'
MIN. FRONT SETBACK	25'	63.2'	51.8'
MIN. SIDE SETBACK	15'	15.7'	15.5'
MIN. REAR SETBACK	25'	33.7'	36.8'
MAX. BUILDING COVERAGE	15%	10.5%	14.9%
MAX. FLOOR AREA RATIO	N/A		27.0%
MAX. BUILDING HEIGHT	2.5 STORIES OR 35'		< 2.5 < 35'



ROOF DRYWELL DETAIL
 NOT TO SCALE

- THE DENNIS BOARD OF HEALTH SHALL REQUIRE THE FOLLOWING INSPECTIONS:
- INSPECTION OF UNSUITABLE MATERIAL (IF ANY).
 - VERIFICATION OF SOIL CONDITIONS AND/OR GROUNDWATER ELEVATION (IF NECESSARY)
 - VERIFICATION OF CESSPOOL/LEACH PIT REMOVAL OR ABANDONMENT (IF NECESSARY)
 - INSPECTION OF CONTAINMENT WALL OR FLOW BARRIER INSTALLATION (IF ANY)
 - INSPECTION OF THE 3/4" - 1 1/2" INCH STONE PRIOR TO PLACEMENT
 - FINAL INSPECTION OF ALL COMPONENTS PRIOR TO BACKFILLING
 - FINAL GRADING INSPECTION
 - INSPECTION OF THE START-UP OF INNOVATIVE/ALTERNATIVE TECHNOLOGY (IF ANY) WITH VENDOR REPRESENTATIVE

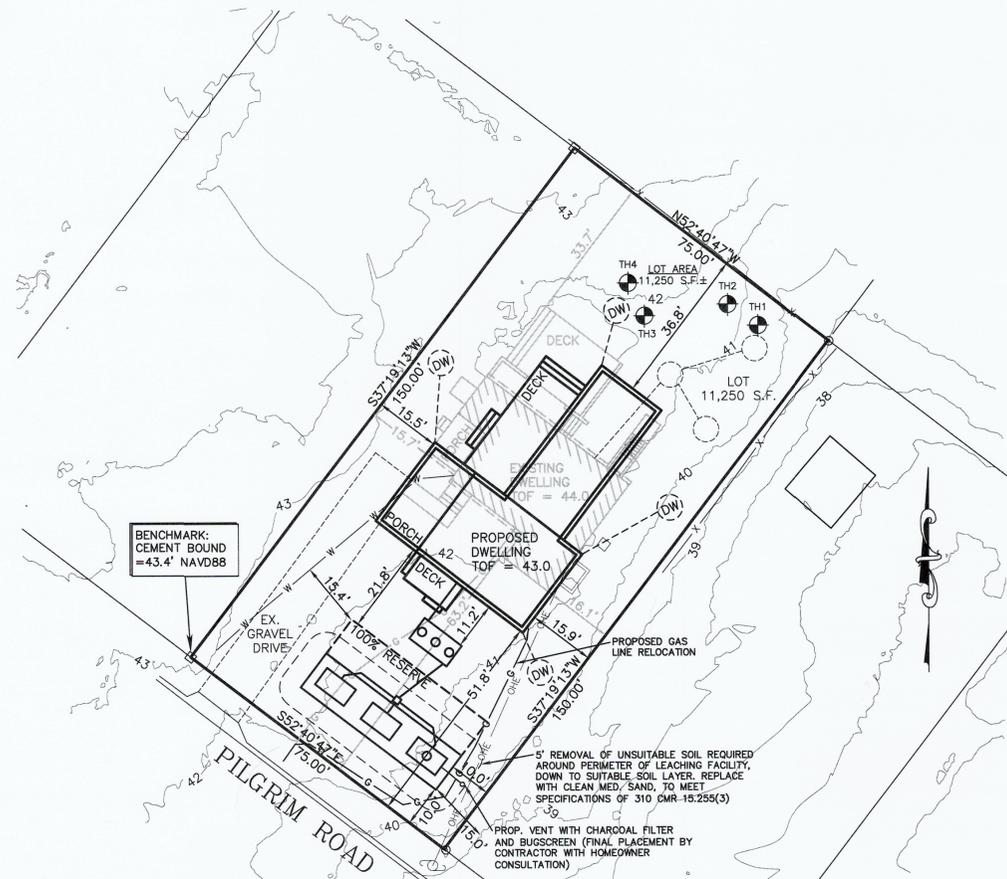
TEST HOLE LOGS

ENGINEER: CRAIG J. FERRARI, SE #13871
 WITNESS: CARRIE SCHOENER
 DATE: 8/31/2017
 PERC. RATE = < 2 MIN/INCH
 CLASS I SOILS



DEPTH	ELEV.	SOIL TYPE	PERC.	DEPTH	ELEV.	SOIL TYPE	PERC.
0"	40.5'	FILL		0"	41.5'	A LS	
12"	40.5'	A LS		12"	41.5'	10YR 4/6	
24"	37.5'	10YR 4/6		18"	42'	B SL	
37'	37.5'	B SL		24"	38.5'	10YR 5/6	
42"	37.5'	10YR 6/6		32"	35.5'	C1 CS	
37'	37.5'	C1 MS		36'	36'	10YR 6/6	
120"	30.5'	C1 MS		72"	36'	C2 FS	
120"	30.5'	10YR 7/4		120"	32'	10YR 7/2	

NO GROUNDWATER ENCOUNTERED



TITLE 5 SITE PLAN
 OF

#84 PILGRIM ROAD DENNIS, MA

PREPARED FOR
REGINA ROCHEFORT

DATE: DECEMBER 16, 2024



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 YARMOUTHPORT MA 02675

DATE 12-16-24
 DANIEL A. OJALA, P.E., P.L.S.

SURVEY: NHO
 DRAFTED BY: CJF
 CHECKED BY: WJD