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8 0 [SOIL EVALUATOR: AROZANA COUGHANOWR, ASE #461 DAVIS, HEALTH DEPT. DATE: MARCH 28. 2023

TEST PIT PERC AT 76 in - 2 MIN/INCH IN C SOILS

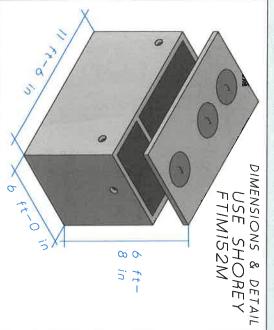
64.05 60.88 EVATION DEPTH 22-38 38-122 0-12 12-14 14-15 15-22 ~ ∞ > m 0 ∄ LOAM 10 YR 2/2 LOAMY SAND 10 YR 3/1 LOAMY SAND 10 YR 4/4 LOAMY SAND 10 YR 5/6 MED-CSE SAND 10 YR 6/4 USDA SOIL TEXTURE (MUNSELL) MOTTLES FRIABLE FRIABLE LOOSE LOOSE

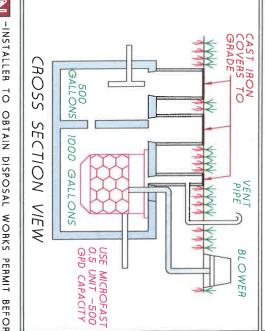
TES PIT NO GROUNDWATER ENCOUNTERED - 2 MIN/INCH IN C SOILS

53.88

	53.00-	60.67 - 18-40				ELEVATION DEPTH
l	40-132	18-40	12-18	10-12	0-10	DEPTH
	^	В	⊳	0	FIL	HORIZON
	MED-CSE SAND 10 YR 6/3	LOAMY SAND 10 YR 5/6	LOAMY SAND	LOAM		HORIZON TEXTURE
	10 YR 6/3	10 YR 5/6	10 YR 4/3	10 YR 2/2		MUNSELL)
	NONE	NONE	NONE	NONE		MOTTLES
	TOOSE	SOOT	FRIABLE	FRIABLE		OTHER

1500 1500 GALLON "F "FAST" DUAL





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-INSTALLER TO OBTAIN DISPOSAL WORKS PERMIT BEFORE STARTING WORK.

-ALL COMPONENTS INSTALLED SHALL MEET THE MINIMUM REQUIREMENTS OF MASSACHUSETTS TITLE 5 SEPTIC CODE (310 CMP 15).

-ECO-TECH RAPID RESPONSE RECOMMENDS THE INSTALLATION OF LOW FLOW FIXTURES & APPLIANCES, AND PERIODIC PUMPING OF THE SEPTIC TANK.
-SYSTEM IS NOT DESIGNED TO WITHSTAND VEHICULAR LOADING DO NOT PARK OR DRIVE VEHICLES OVER SEPTIC SYSTEM.

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DESIGN FLOW: 3 BEDROOMS X 110 GPD = 330 GPD SEPTIC TANK: 330 GPD X 2 DAYS = 660 GALLONS REMOVE EXISTING 1000 GALLON SEPTIC TANK. INSTALL NEW 1500 GALLON "FAST COMPATIBLE" SEPTIC TANK.

DISTRIBUTION BOX: INSTALL 3 OUTLET H-20 D-BOX TIOS ABSORBTION SYSTEM:

THE LONG TERM ACCEPTANCE RATE FOR A CLASS ONE SOIL WITH A PERCOLATION RATE BELOW 5 MINUTES PER INCH = 0.74 GALLONS PER DAY PER SQUARE FOOT. THE LEACHING GALLERY DEPICTED BELOW BOTTOM AREA SIDEWALL AREA 464.4 sf CAN LEACH: gal/day

FLOW CAPACITY = 0.74 x 464 = 343 gal/day INSTALL THE LEACHING GALLERY AS CONFIGURED BELOW FLOW CAPACITY = 343 gal/day WHICH EXCEEDS THE 330 gal/day REQUIRED FOR A THREE BEDROOM DESIGN.

SYST SHOREY 7 ABSORPTION
EM CONSTRUCTION
PRECAST 500 GALLON LEACHIN GALLON LEACHING DETAIL DRYWELL

