



#### SEWAGE DISPOSAL SYSTEM DESIGN DATA

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**FLOW REQUIREMENTS:**  
**EXISTING NUMBER OF BEDROOMS: THREE (3)**  
**DAILY DESIGN FLOW PER TITLE 5: 110 GALLONS/BEDROOM/DAY**  
**MINIMUM DESIGN FLOW REQUIRED: 110 GAL/BDRM x 3 BEDROOMS = 330 GAL/DAY**

SEPTIC TANK SIZE:  
TITLE 5: 330 GAL. X 200% = 660 GALLONS  
INSTALL A NORWECO CO. 1,300 GAL. PRECAST CONCRETE SEPTIC TANK

## WITH A SINGULAR DENITRIFICATION WASTEWATER TREATMENT TYPICAL CHAMBER LEACHING FIELD:

11. TYPICAL CHAMBER LEACHING FIELD:  
DESIGN SOIL TEXTURAL CLASS: CLASS 1

DESIGN PERCOLATION RATE: 1 INCH IN 5 MINUTES  
LONG TERM ACCEPTANCE RATE: 0.74

REQUIRED LEACHING AREA: 330 GAL/DAY Divided By

LEACHING AREA PROVIDED: 11' WIDE X 28' LONG X 2'-

INSTALL THREE (3) PRECAST CONCRETE LEACHING GALLIES  
SIDEWALL LEACHING AREA = (11' + 28' + 11' + 28')

$$\text{SIDEWALL LEACHING AREA} = (11' + 28' + 11' + 28') \times 11' = 700 \text{ square feet}$$

464 Sq.Ft. X 0.74 GAL/Sq.Ft. = 343 GAL LE

**TOTALS**      **TOTAL NUMBER OF DISTRIBUTION LINES**      **THREE (3)**

TOTAL NUMBER OF DISTRIBUTION LINES = THREE (3)

5 TOTAL LEACHING AREA = 464 > 446 Sq.Ft.

TOTAL LEACHING CAPACITY = 343 GAL/DAY >> 338

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