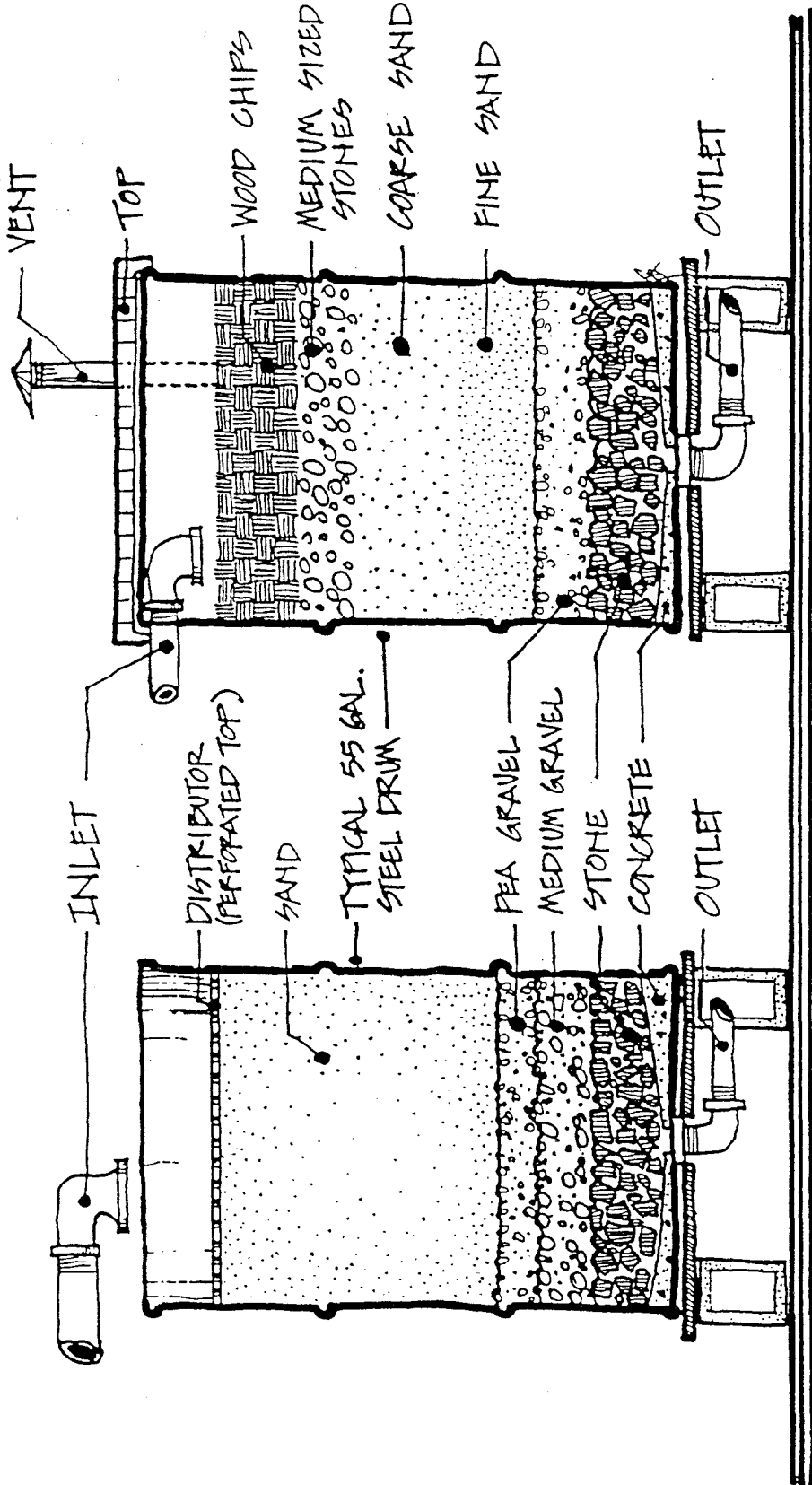


SLOW SAND FILTER

MIXED MEDIA FILTER

FIGURE 3



**COLLECTION SYSTEM
FILTERS**

ADAPTED FROM AN ILLUSTRATION IN M. MILNE'S
"RESIDENTIAL WATER USE."

HOUSE SITING CRITERIA

FROM VAN CLINE, CONTROL DATA CORPORATION, SMALL FARMS PROJECT, UNIVERSITY OF MINNESOTA, LANDSCAPE ARCHITECTURAL PROJECT, 1981.

ENERGY EFFICIENCY - COMFORT - "MICROCLIMATE"

- SOUTH--SOUTHEAST--SOUTHWEST SLOPES FOR SOLAR ORIENTATION
- SOUTH AND EAST OF EXISTING SLOPES
- AVOID COLD POCKETS
- SUMMER SHADING AVAILABLE
- COOL SUMMER BREEZES, CHANNELED ACROSS SITE
- NONREFLECTIVE SURFACES TO SOUTH AND WEST
- NEAR WOOD FUEL SOURCE
- SLOPES FOR SOLAR/EARTH BERMING

REDUCE CONSTRUCTION COSTS

- SOILS WITH ADEQUATE BEARING CAPACITY
- NOT GREATER THAN 10% SLOPES
- ACCESSIBILITY ONTO AND ACROSS SITE
- FLEXIBILITY OF DEVELOPMENT--ADAPTIBLE
- USE SLOPES FOR BERMING
- NEAR EXISTING ROADWAYS
- CLEARED AREAS AVAILABLE FOR BUILDING
- ADEQUATE DRAINAGE

UTILITY

- NEAR EXISTING UTILITIES
- WATER TABLE NEAR SURFACE
- ZONING COMPATIBLE--NO FUTURE THREAT
- FUEL SOURCE AVAILABLE
- PERCOLATION FOR SEPTIC

USE

- HOUSE NOT ON PRODUCTIVE LAND (AGRICULTURE)
- NEAR GARDEN SITE
- CAPABILITY OF SELF RELIANCE
- ORGANIZATIONAL EFFICIENCY

ENVIRONMENT

- CLEARING POSES MINIMUM IMPACT ON VEGETATION
- PRESERVATION OF HIGH QUALITY VEGETATION
- PRIVACY
- UNIQUE FEATURES CAN BE INCORPORATED
- AVOID PROBLEMS--NOISE--ODORS--POLLUTION
- RECREATION CAPACITY