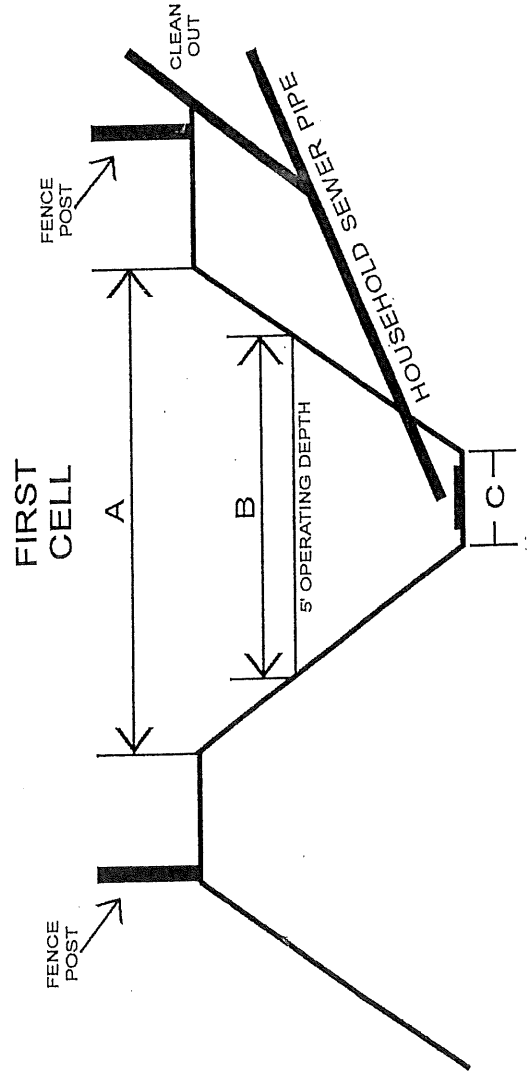


LAGOON SPECIFICATIONS

**NORTH CENTRAL KANSAS LOCAL
ENVIRONMENTAL PLANNING GROUP
% SMITH COUNTY HEALTH DEPARTMENT
119 S MAIN
SMITH CENTER, KS 66967
785-282-6656**

-LAGOON DIMENSIONS-

CELL SIZE	"A"	"B"	DIMENSION "C"	SLOPE
M-35	47'	35'	5'	3.0
M-40	52'	40'	10'	3.0
M-45	59'	45'	10'	3.5
M-50	64'	50'	15'	3.5



- GENERAL INFORMATION**
- Pond bottom shall be 4 feet above any restrictive layer (groundwater, bedrock, etc.).
 - Fencing is required around cell.
 - Surface drainage shall be diverted around pond.
 - Berm shall be seeded with a densely growing short rooted grass (i.e. bluegrass, fescue, brome, or bermuda).
 - Minimum freeboard—2 feet.
 - Separation between 5 foot normal operating depth and property line—100 feet.
 - Sewer pipe shall be 4" - 8" , schedule 35 or 40, PVC.
 - All berm slopes should be 3 or 3.5 horizontal to 1 vertical.

LAGOON SIZE	APPROX. AREA	AMOUNT REQUIRED (#)
M-35	1225 sq. ft.	600
M-40	1600 sq. ft.	800
M-45	2025 sq. ft.	1100
M-50	2500 sq. ft.	1300

-BENTONITE APPLICATION-