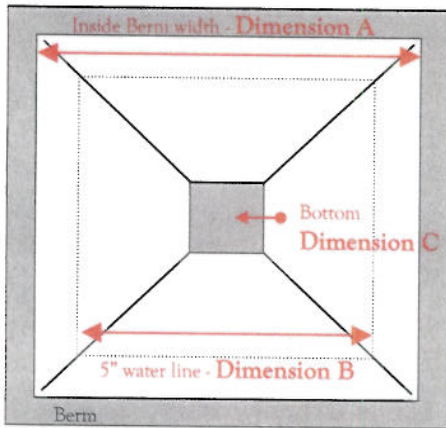


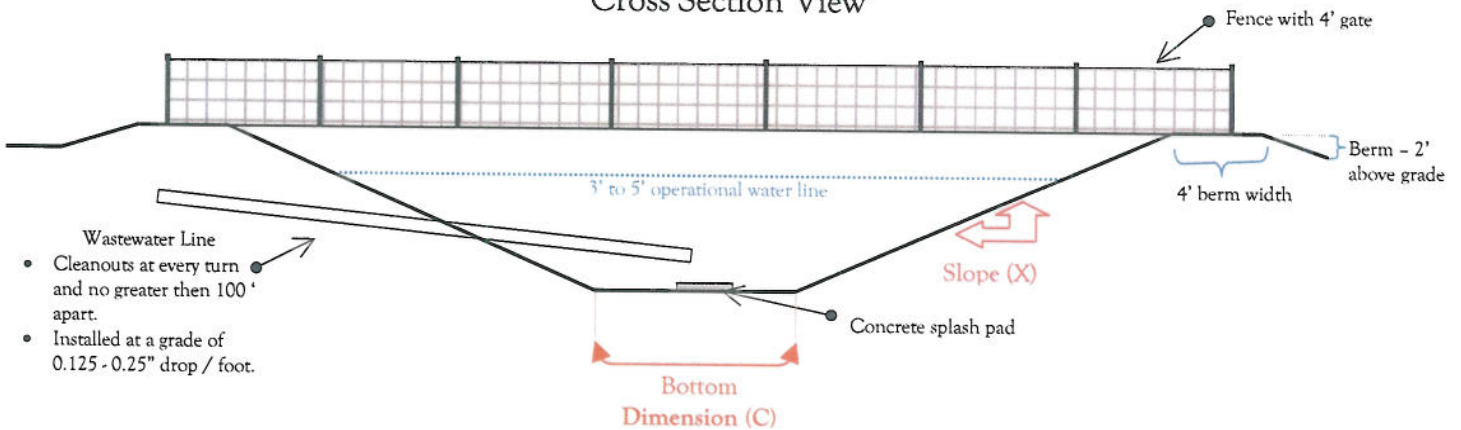
Appendix 2: Lagoon Construction Diagram

Top View



Dimensions				
Lagoon Size	A	B	C	X (Slope)
M-40	52' x 52'	40' x 40'	10' x 10'	3 : 1
M-45	59' x 59'	45' x 45'	10' x 10'	3.5 : 1
M-50	64' x 64'	50' x 50'	15 x 15"	3.5 : 1

Cross Section View



- Cleanouts at every turn and no greater than 100' apart.
- Installed at a grade of 0.125 - 0.25" drop / foot.

Fencing Requirements

- Mesh size opening no larger than 2" by 4".
- Minimum fence height of 4 feet.
- Minimum gate width of 4 feet.
- Fence on outside of berm if livestock are present.
- Fence may be on top of berm if no livestock are present.
- Constructed within 15 days from date of initial operation.

Reference: Environmental Health Handbook,
KDH&E, Kansas State University, Kansas Association of Sanitarians