



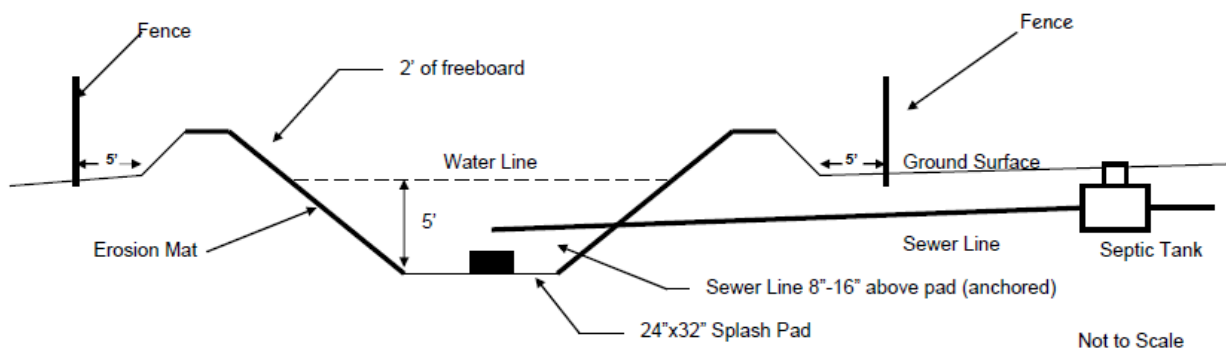
Lagoon Sizing, Setbacks and Construction Standards

Minimum Separations from the 5 foot water line:	
Water Well	100 feet
Main Structure Foundation	75 feet
Outbuilding Foundation	50 feet
Property Line	See page 2
Surface Water	50 feet
Vegetation less than 10 feet tall	10 feet
Vegetation more than 10 feet tall	50 feet
Other obstructions over	50 feet

Bentonite Application Rate: ½ pound per square foot		
Lagoon Size	Approx. Area	Amount Needed
M-45	2126 sq. ft.	1100 lbs
M-50	2625 sq. ft.	1300 lbs
M-55	3176 sq. ft.	1600 lbs
M-60	3780 sq. ft.	1900 lbs
M-65	4436 sq. ft.	2200 lbs

Wastewater Lagoon Sizing			
Water Surface	Bottom	Top	Slope
45 feet	10 feet	59 feet	3.5 : 1
50 feet	15 feet	64 feet	3.5 : 1
55 feet	20 feet	69 feet	3.5 : 1

Wastewater Lagoon Cross Section



A 1,000 gallon septic tank will need to be installed in line before the lagoon and will need risers to grade. (Keep in mind that you will now have some additional fall coming to consider thru the septic tank.) If it will be a pressurized system then a 2 chamber tank will be needed.

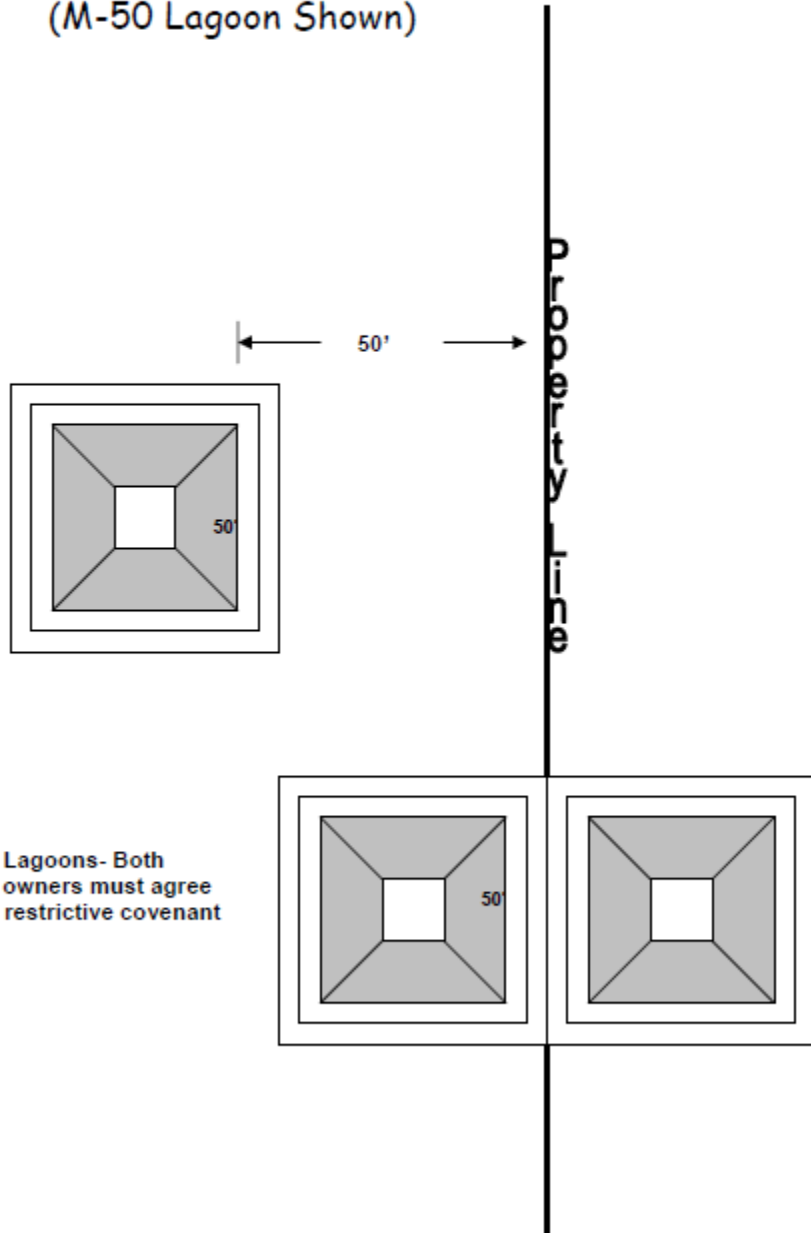
The interior berm will need to be seeded and an erosion mat installed from the top to the bottom. This needs to be done within 24 hours of lagoon construction.

The fence has to be placed 5 feet out from the outside bottom edge of the berm. This is required to facilitate maintenance and keep livestock off the lagoon.

These standards apply to lagoon cleanouts as well as new construction.



Single Family Waste Stabilization Pond
Property Line Setbacks
(M-50 Lagoon Shown)



Twinned Lagoons- Both
property owners must agree
and sign restrictive covenant

Amended May 1, 2007