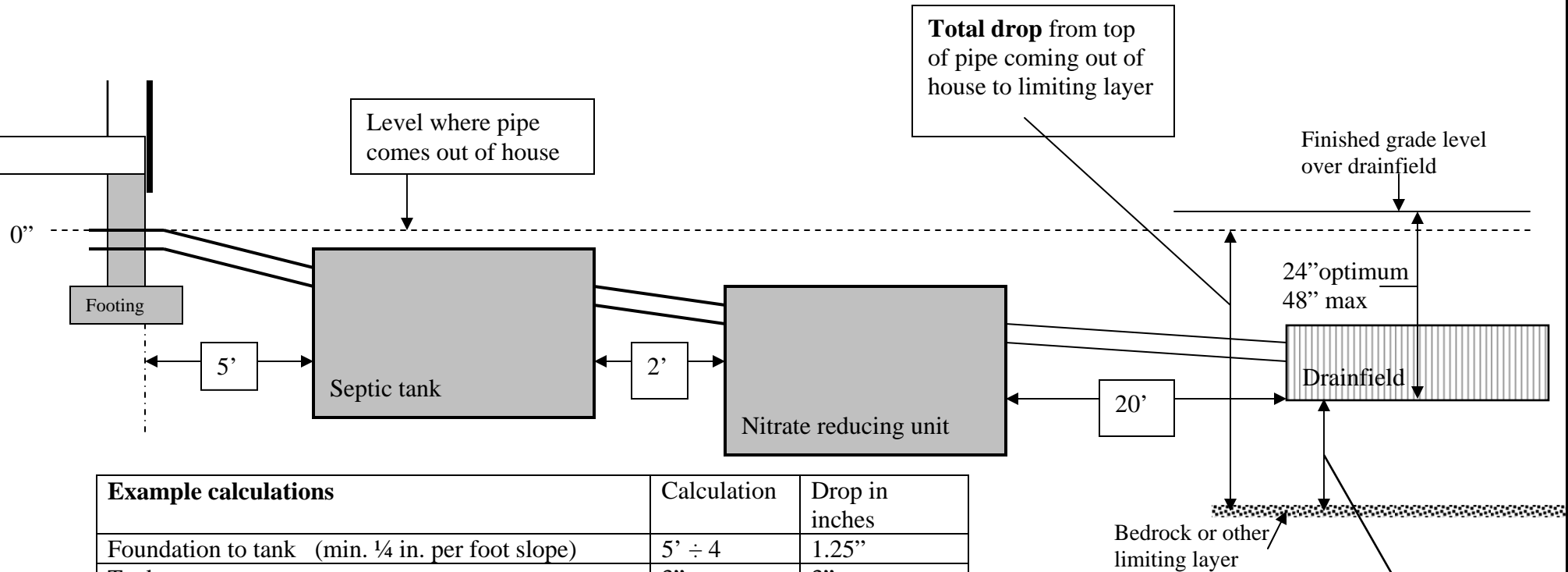


South Central Public Health District
Example grade sheet for nitrate reduction systems



Example calculations	Calculation	Drop in inches
Foundation to tank (min. 1/4 in. per foot slope)	$5' \div 4$	1.25"
Tank	3"	3"
Tank to Nitrate unit (min. 1/8 in. per foot slope)	$2' \div 8$.25"
Nitrate reduction tank	3"	3"
Nitrate unit to drainfield, (min. 1/8 in. per foot slope)	$20' \div 8$	2.5"
Top of pipe at chamber to bottom of trench	10"	10"
Trench bottom to limiting layer (TGM page 62)	24"	24"
Total drop from top of pipe coming out of house to limiting layer		44"

Note: If minimum distances cannot be maintained under the trench bottom, a raised pressurized system will be required.

Bottom of trench to limiting layer.
 24" to impermeable layer
 12" to fractured bedrock, porous rock, or high ground water