

Maximum Lengths of Corrugated Plastic Tubing				
Drain diameter				
Grade in percent	3 inch	4 inch	5 inch	6 inch
0.05	470	1,000	1,800	2,800
0.1	660	1,400	2,600	4,000
0.2	830	1,900	3,600	5,500
0.3	1,000	2,300	4,300	6,600
0.5	1,400	3,000	5,800	8,800

Table above assumes a 3/8" drain coefficient and 100' spacing.

Adjustment factor

Multiply length by:

If drain coefficient is:	1/4"	1.5
	3/8"	1
	1/2"	0.75
	3/4"	0.5
	1"	0.38

If drain spacing is:	20 feet	5
	30 feet	3.33
	40 feet	2.5
	50 feet	2
	60 feet	1.67
	66 feet	1.52
	70 feet	1.43
	80 feet	1.25
	100 feet	1

Minimum grade for 3" laterals should be .3 percent.

Source: NRCS



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