

Drainage: Measuring the Slope of the Pipe

Using a minimum slope of 2% will encourage a good flow when directing water to a rain garden.

- For a 2% slope your pipe height will lower $\sim\frac{1}{4}$ inch for every foot of length.
- You can also approximate this by multiplying the pipe length in inches by .02.

If your pipe run length in feet is:	Convert the pipe length to inches ...	Multiple by .02 to calculate the Rise for a 2% slope	the Rise in inches equals	Your Rise (rounded up)
6	72	x .02	1.44	1.5"
10	120	x .02	2.4	2.5"
15	180	x .02	3.6	3.75"
20	240	x .02	4.8	5"

- You can use the length of the pipe to approximate the Run.
- Your Rise is the difference in height of your pipe at the start and at the end.
- You can use your line level from the start to the end of your pipe to measure your rise.

