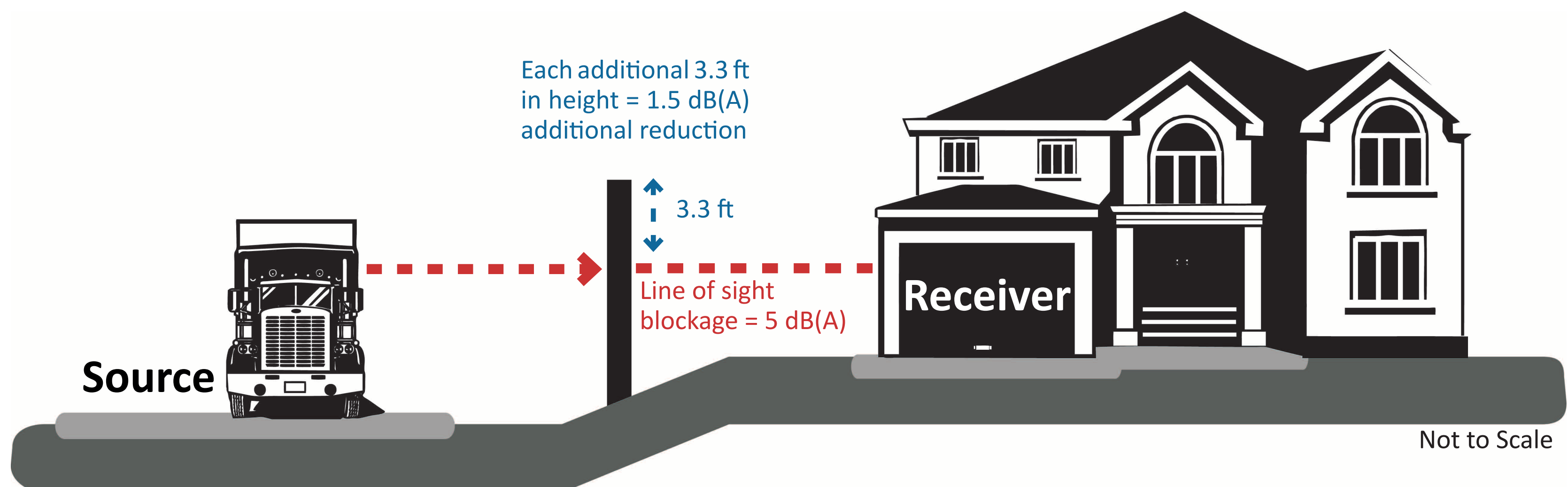


# How Do Noise Barriers Work?

Noise Barriers reduce the sound which enters a community from a busy highway by either absorbing the sound, transmitting it, reflecting it, or forcing it to take a longer path over and around the barrier.

A Noise Barrier must be tall enough and long enough to block the view of a highway from the area that is to be protected, the “receiver.”



A Noise Barrier can achieve a 5 dB noise level reduction, when it is tall enough to break the line-of-sight from the highway to the home or receiver.

After it breaks the line-of-sight, it can achieve approximately 1.5 dB of additional noise level reduction for each 3.3 feet of barrier height.

Noise Barriers are normally most effective in reducing noise for areas that are within approximately 200 feet of a highway (usually the first row of homes).