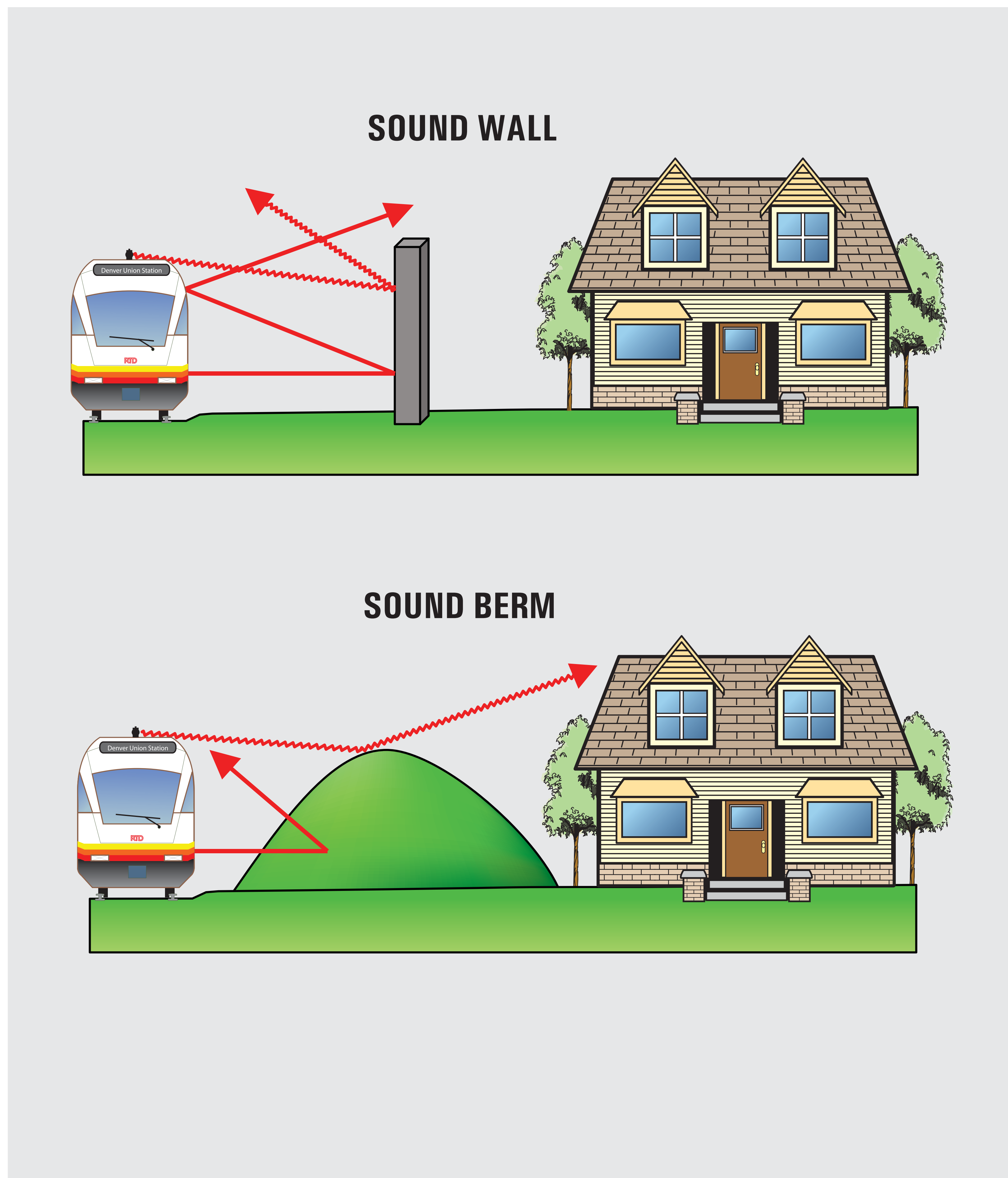


Common Noise and Vibration Mitigation Measures

Path Mitigation Examples



Potential Noise Mitigation Measures:

- **Source Mitigation:** Includes mitigation measures to reduce noise at its source, such as wheel truing and maintenance, rail lubrication on sharp curves, and adjusting the turn radii to reduce potential squealing. Additionally, creating a Quiet Zone would significantly reduce train horns to help eliminate noise at the source.
- **Path Mitigation (see images to left):** These mitigation measures reduce noise by disrupting its path and may include noise reduction walls, alignment alterations, and adding ballasts on guideways.
- **Receiver Mitigation:** Includes measures implemented at the receiving source of the noise, such as sound insulation (e.g. upgraded windows). This mitigation is typically only needed for severely impacted properties.

Potential Vibration Mitigation Measures:

- Could include installation of vibration-absorbing mats (will require additional geo-technical analysis) and modification of the alignment, particularly at track transition points