

Signs of Retaining Wall Failure

Presented to: HOA Connect

Presented by: **Michael Anderson**

May 12, 2026



Cardinal Construction

offering a suite of drainage and erosion remediation services and design-build capabilities.



Overview

Importance of Information

Signs at Top of Wall

Signs at the Wall Face

Cardinal Construction Solutions

Questions





Why is this information important?



- If ignored, it can result in structural failure
- If caught early, drainage can be installed that prevents wall failure and engineering costs that accompany it



Not all retaining wall issues look like a problem with the wall. Look for bank failures below the wall as well.

Signs at the Top of the Wall

- Exposed rubble behind wall
- Vegetation on top indicates no surface erosion
- Lack of slope means collecting water goes behind wall





Signs at the Top of the Wall



Signs at the Top of the Wall



Signs at the Top of the Wall

Signs at the Wall Face

- Presence of Efflorescence or Moss/Vegetation
- Visibly bulging or leaning wall
- Cracks and separation along wall





Efflorescence



Moss/Vegetation

Signs at the Wall Face



Signs at the Wall Face



Signs at the Wall Face

Resilient Drainage Solutions.

Unmatched Expertise.

- Retaining Wall Repair
- Spillway Dam Remediation
- Channel Bank Stabilization
- Sinkhole Remediation
- Drainage Standing Water
- Complex Erosion Repair

Schedule your site
visit today!



Questions?

Cardinal Strategies Construction Services
2770 Capital Street
Wylie, TX 75098

Phone: 469-547-1281
michael.anderson@cardinalstrategies.com

