

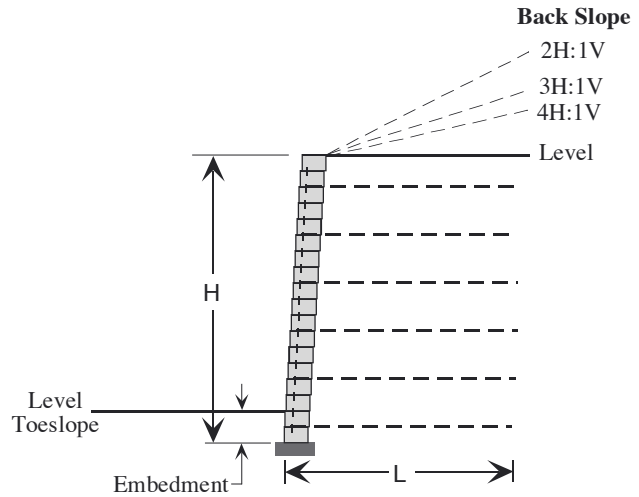
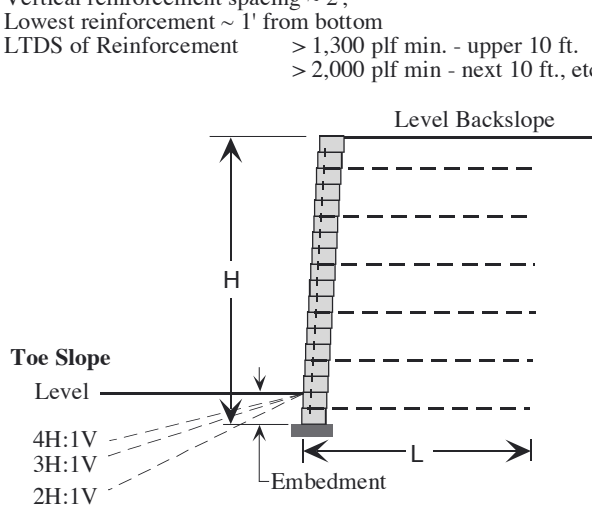


Single Wall - Slope Stability Ratios

The following figures and graphs provide a guide to the relationship between walls and slopes and the L to H ratio required to satisfy basic global stability requirements for simple ϕ only soil strength criteria. Slopes 2H:1V and greater require special attention to soil design parameters.

Assumptions of Stability Analysis

- No significant surcharge, $\gamma = 120$ pcf, $SF > 1.3$ min, Bishop.
- Vertical reinforcement spacing $\sim 2'$,
- Lowest reinforcement $\sim 1'$ from bottom
- LTDS of Reinforcement $> 1,300$ plf min. - upper 10 ft.
- $> 2,000$ plf min - next 10 ft., etc.



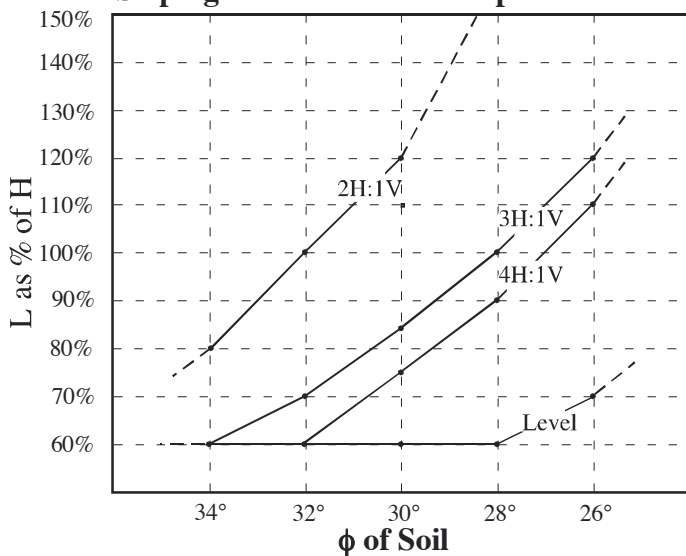
Min. Embedment for Toeslope

Level	10% H
4H:1V	1.0' + 10% H
3H:1V	1.3' + 10% H
2H:1V	2.0' + 10% H

Min. Embedment for Backslope

Level	10% H
4H:1V	10% H
3H:1V	10% H
2H:1V	10% H

Sloping Toe - Level Backslope



Backslope - Level Toe

