



GRS vs MSE

GRS

Geosynthetic Reinforced Soil

- Maximum $S_y = 0.3$ m
- Reinforcement Length $\geq 0.3H$ or 1.83 m, non-uniform
- No criteria required for
 - Reinforcement pullout
 - Connection strength
 - Limit on eccentricity
- Vertical bearing capacity of footing on GRS (semi – empirical)
 - W-factor developed by Pham
 - $\sigma_h \neq T_f/S_v$

MSE

Mechanically Stabilized Earth

- Maximum $S_y = 0.8$ m
- Reinforcement Length ≥ 6.7 m, uniform
- Criteria required for
 - Reinforcement pullout
 - Connection strength
 - Limit on eccentricity
- Not available

