

Result of External Stability Static Analysis

	Calculated	Design Criteria
FOS Sliding	1.61	> 1.50
FOS Overturning	7.34	> 2.00
FOS Bearing Capacity	5.45	> 2.00
Base Reinforcement Length (L)(ft)	11.00	
Base Reinforcement Ratio (L/H)	1.83	> 0.60

Results of Internal Stability Static Analysis

SRW Unit #	Geosynthetic Product	Elevation (ft)	Length (ft)	Anchor Length (ft)	FOS Overstress ≥ 1.50	FOS Pullout ≥ 1.50	FOS Slide ≥ 1.50	Layer Spacing (ft) ≥ 2.00
7	Miragrid 3XT	4.00	11.00	7.75	3.29	3.67	3.97	OK
4	Miragrid 3XT	2.00	11.00	8.87	2.50	6.18	3.17	OK

Results of Facing Stability Static Analysis

SRW Unit #	Heel Elev (ft)	Geosynthetic Product	FOS Crest Toppling ≥ 1.50	FOS Connection ≥ 1.50
7	4.00	Miragrid 3XT	2.93	9.00
4	2.00	Miragrid 3XT		4.19