

Result of External Stability Static Analysis

	Calculated	Design Criteria
FOS Sliding	1.59	> 1.50
FOS Overturning	3.75	> 2.00
FOS Bearing Capacity	9.68	> 2.00
Base Reinforcement Length (L)(ft)	7.00	
Base Reinforcement Ratio (L/H)	1.05	> 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
9	Miragrid 3XT	5.33	7.00	2.46	27.34	13.05	5.40	OK
6	Miragrid 3XT	3.33	7.00	3.79	11.19	13.11	3.53	OK
3	Miragrid 3XT	1.33	7.00	5.12	5.82	12.66	2.62	OK

Results of Facing Stability Static Analysis

SRW Unit #	Heel Elev (ft)	Geosynthetic Product	FOS Crest Toppling ≥ 1.50	FOS Connection ≥ 1.50
9	5.33	Miragrid 3XT	8.50	14.91
6	3.33	Miragrid 3XT		7.16
3	1.33	Miragrid 3XT		4.27