

Result of External Stability Static Analysis

	Calculated	Design Criteria
FOS Sliding	1.63	> 1.50
FOS Overturning	3.07	> 2.00
FOS Bearing Capacity	17.52	> 2.00
Base Reinforcement Length (L)(ft)	6.00	
Base Reinforcement Ratio (L/H)	0.90	> 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	6.00	1.46	27.34	7.29	5.83	OK
6	Miragrid 3XT	3.33	6.00	2.79	11.19	9.30	3.53	OK
3	Miragrid 3XT	1.33	6.00	4.12	5.82	9.92	2.53	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