

Result of External Stability Static Analysis

	Calculated	Design Criteria
FOS Sliding	1.54	> 1.50
FOS Overturning	2.75	> 2.00
FOS Bearing Capacity	13.80	> 2.00
Base Reinforcement Length (L)(ft)	9.00	
Base Reinforcement Ratio (L/H)	0.84	> 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
15	Miragrid 3XT	9.33	9.00	1.80	27.34	12.12	4.83	OK
12	Miragrid 3XT	7.33	9.00	3.13	11.19	12.66	3.54	OK
9	Miragrid 3XT	5.33	9.00	4.46	6.99	14.88	2.78	OK
6	Miragrid 3XT	3.33	9.00	5.79	5.09	17.44	2.28	OK
3	Miragrid 3XT	1.33	9.00	7.12	3.37	16.99	1.93	OK

Results of Facing Stability Static Analysis

SRW Unit #	Heel Elev (ft)	Geosynthetic Product	FOS Crest Toppling ≥ 1.50	FOS Connection ≥ 1.50
15	9.33	Miragrid 3XT	8.50	14.91
12	7.33	Miragrid 3XT		7.16
9	5.33	Miragrid 3XT		5.13
6	3.33	Miragrid 3XT		4.21
3	1.33	Miragrid 3XT		3.11