Result of External Stability Static Analysis

	Calculated	Design Criteria
FOS Sliding	1.96	> 1.50
FOS Overturning	2.69	> 2.00
FOS Bearing Capacity	6.20	> 2.00
Base Reinforcement Length (L)(ft)	4.00	
Base Reinforcement Ratio (L/H)	0.75	> 0.60

Detailed Result of External Stability Analysis

	Calculated
Total Horizontal Force (lb/ft)	839.00
Total Vertical Force (lb/ft)	2133.33
Sliding Resistance (lb/ft)	1640.50
Driving Moment (lb-ft/ft)	1818.65
Resisting Moment (lb-ft/ft)	4888.89
Bearing Capacity (psf)	6214.88
Base Eccentricity (e)(ft.)	0.56
Eccentricity Ratio (e/L-2e)	0.19
Maximum Bearing Pressure (psf)	1001.73

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
6	HP200	3.33	4.00	1.43	10.26	2.32	6.69	OK
3	HP200	1.33	4.00	2.37	7.93	5.97	3.98	OK
