

Jumbo NurseryStone
Soil Reinforced Design Charts

27 Degree Soil with Level Backslope and No Load

Total Height (ft)	Courses of Units	Maximum Exposed Height	Geogrids			Geogrid Placement Grid Placed below Course Number
			# of Layers	Base Length	Top Length	
3.00	6	2.50	1	4.00	4.00	3
3.50	7	3.00	1	4.00	4.00	3
4.00	8	3.50	1	4.50	4.50	4
4.50	9	4.00	2	4.50	4.50	5
5.00	10	4.50	2	4.50	4.50	2,6
5.50	11	5.00	2	4.50	4.50	3,7
6.00	12	5.50	2	4.50	4.50	4,9
6.50	13	6.00	3	4.50	4.50	5,9
7.00	14	6.50	3	5.00	5.00	2,6,10
7.50	15	7.00	3	5.00	5.00	4,8,12
8.00	16	7.50	3	5.50	5.50	5,9,13

27 Degree Soil with 250 Live Load Surcharge Level Backslope

Total Height (ft)	Courses of Units	Maximum Exposed Height	Geogrids			Geogrid Placement Grid Placed below Course Number
			# of Layers	Base Length	Top Length	
3.00	6	2.50	2	4.00	4.00	2,6
3.50	7	3.00	2	4.50	4.50	3,7
4.00	8	3.50	2	4.50	4.50	4,8
4.50	9	4.00	2	4.50	4.50	4,9
5.00	10	4.50	3	5.00	5.00	2,6,10
5.50	11	5.00	3	5.50	5.50	3,7,11
6.00	12	5.50	3	6.00	6.00	4,8,12
6.50	13	6.00	4	6.00	6.00	2,6,10,13
7.00	14	6.50	4	6.50	6.50	2,6,10,14
7.50	15	7.00	4	7.00	7.00	3,7,11,15
8.00	16	7.50	4	7.00	7.00	3,8,12,16

27 Degree Soil with 3H to 1V Backslope

Total Height (ft)	Courses of Units	Maximum Exposed Height	Geogrids			Geogrid Placement Grid Placed below Course Number
			# of Layers	Base Length	Top Length	
3.00	6	2.50	1	4.00	4.00	5
3.50	7	3.00	1	4.00	4.00	5
4.00	8	3.50	1	4.00	4.00	5
4.50	9	4.00	2	4.50	4.50	2,6
5.00	10	4.50	2	5.00	5.00	3,7
5.50	11	5.00	2	5.50	5.50	4,8
6.00	12	5.50	2	6.00	6.00	2,6,9
6.50	13	6.00	3	6.00	6.00	2,6,10
7.00	14	6.50	3	6.00	6.00	3,7,11
7.50	15	7.00	4	7.00	7.00	3,7,11,13
8.00	16	7.50	4	8.00	8.00	3,7,11,14

Designs use SrWall V4 with Synteen 35