

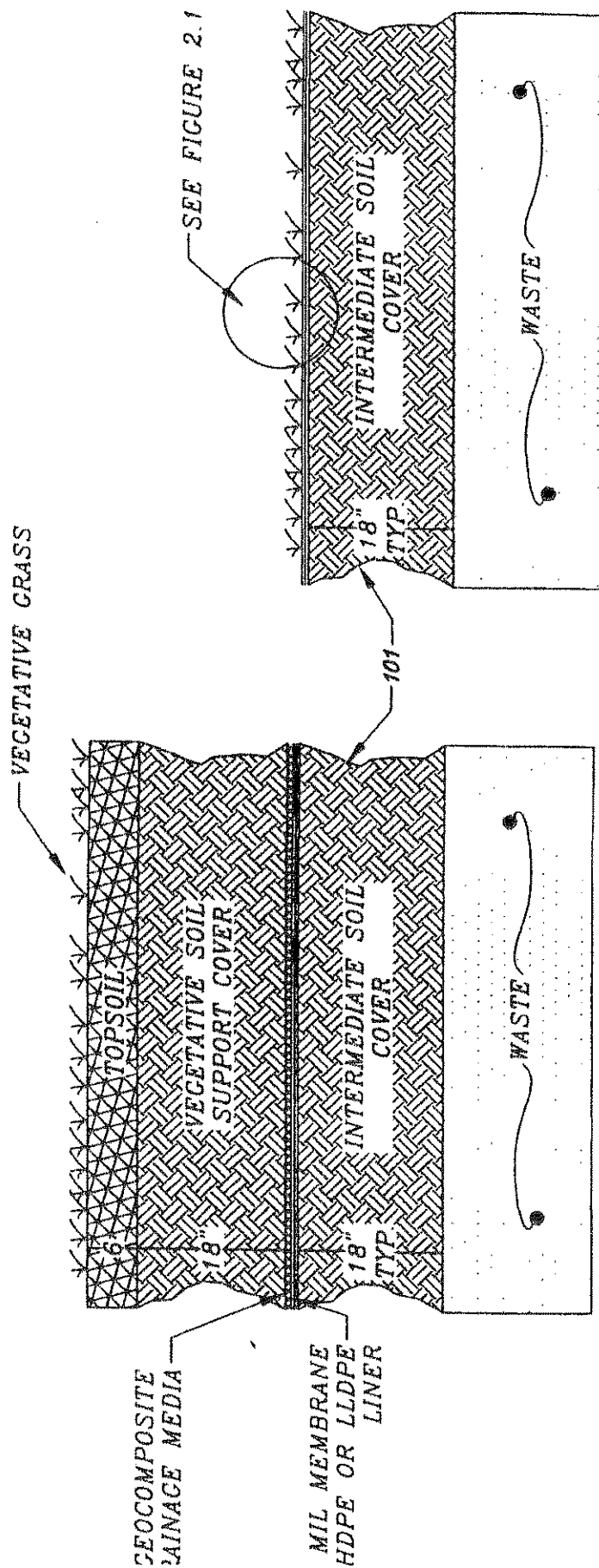


FIGURE 1
PRIOR ART

FIGURE 2

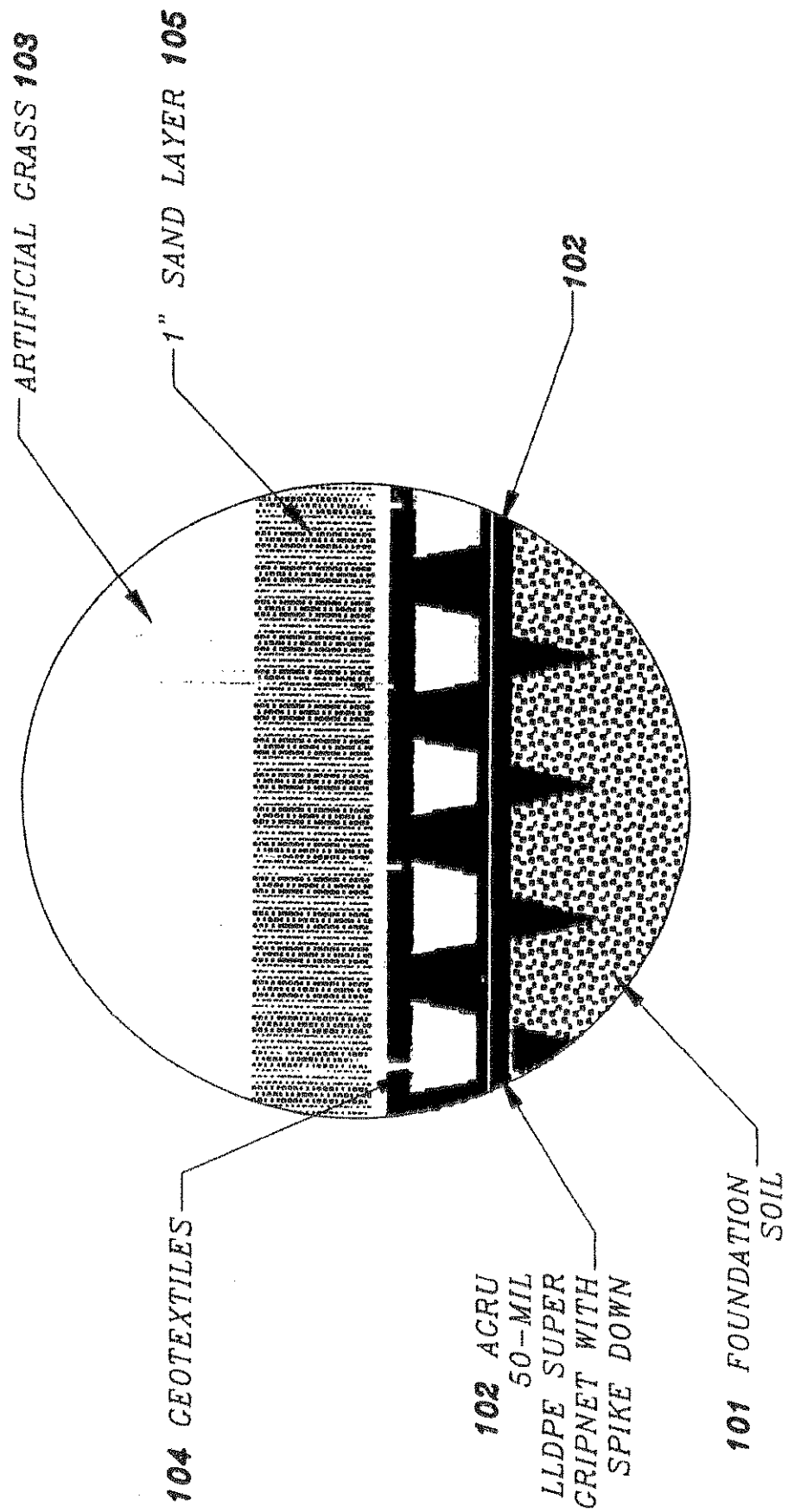


FIGURE 2.1

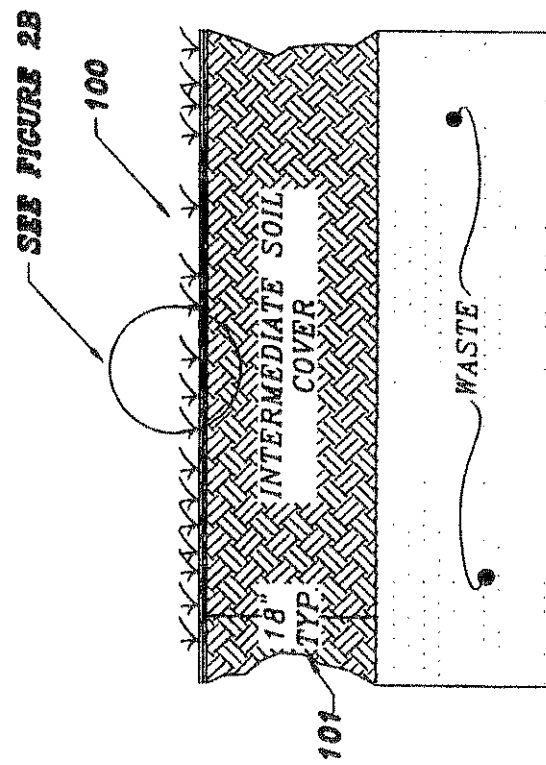


FIGURE 2A

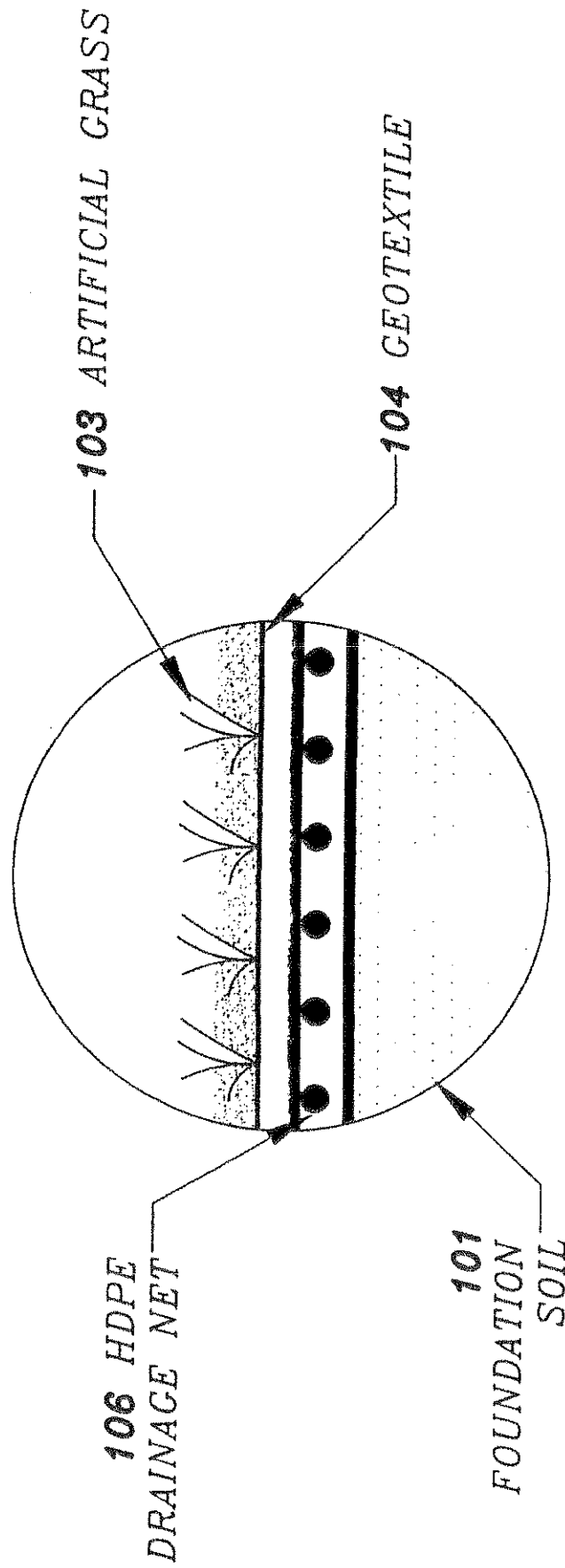


FIGURE 2B

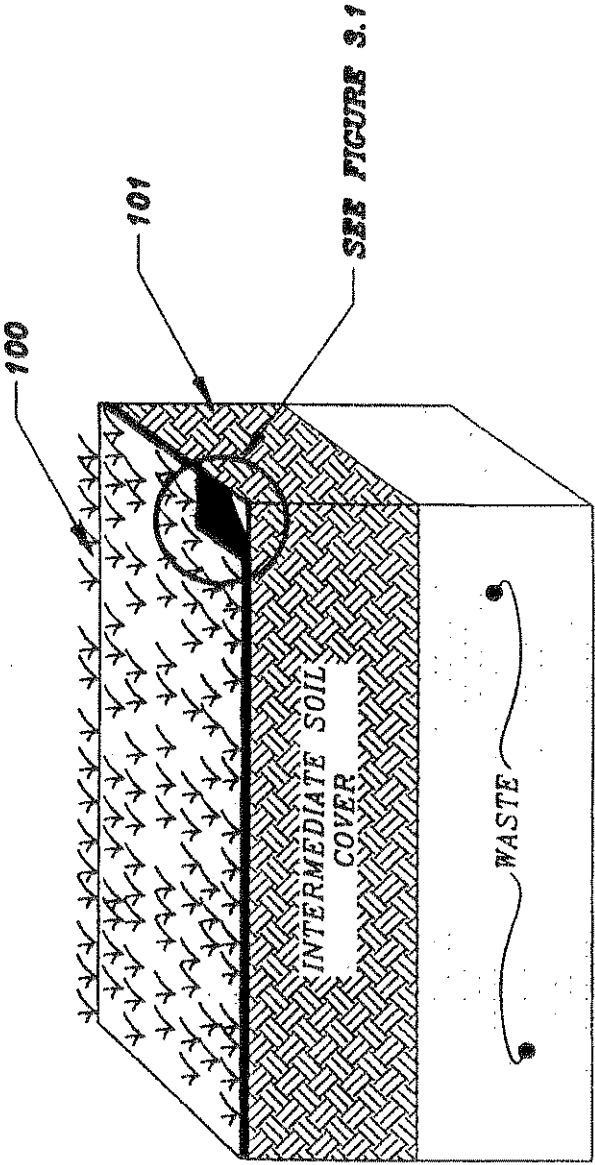
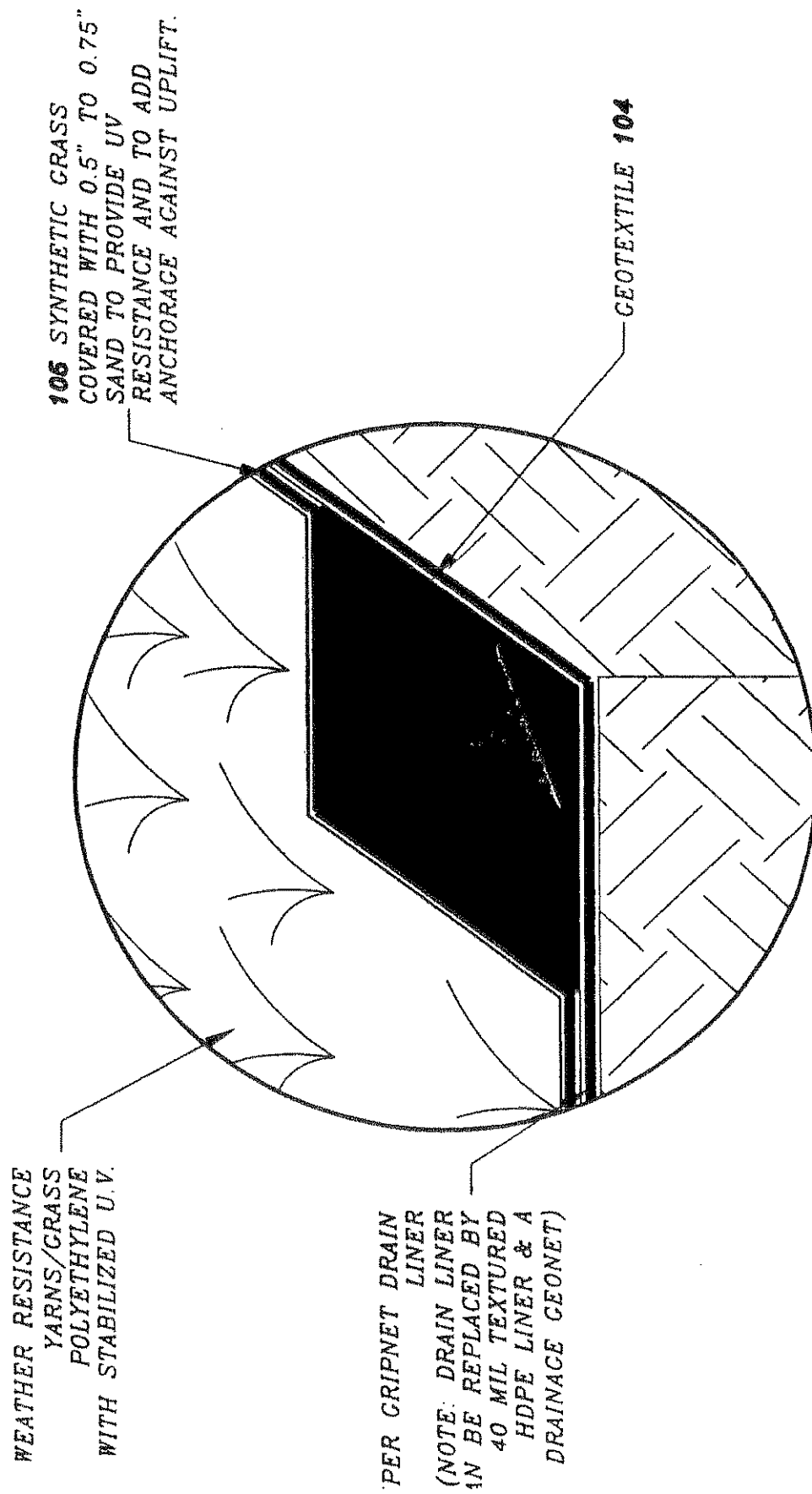


FIGURE 3

**FIGURE 3.1**

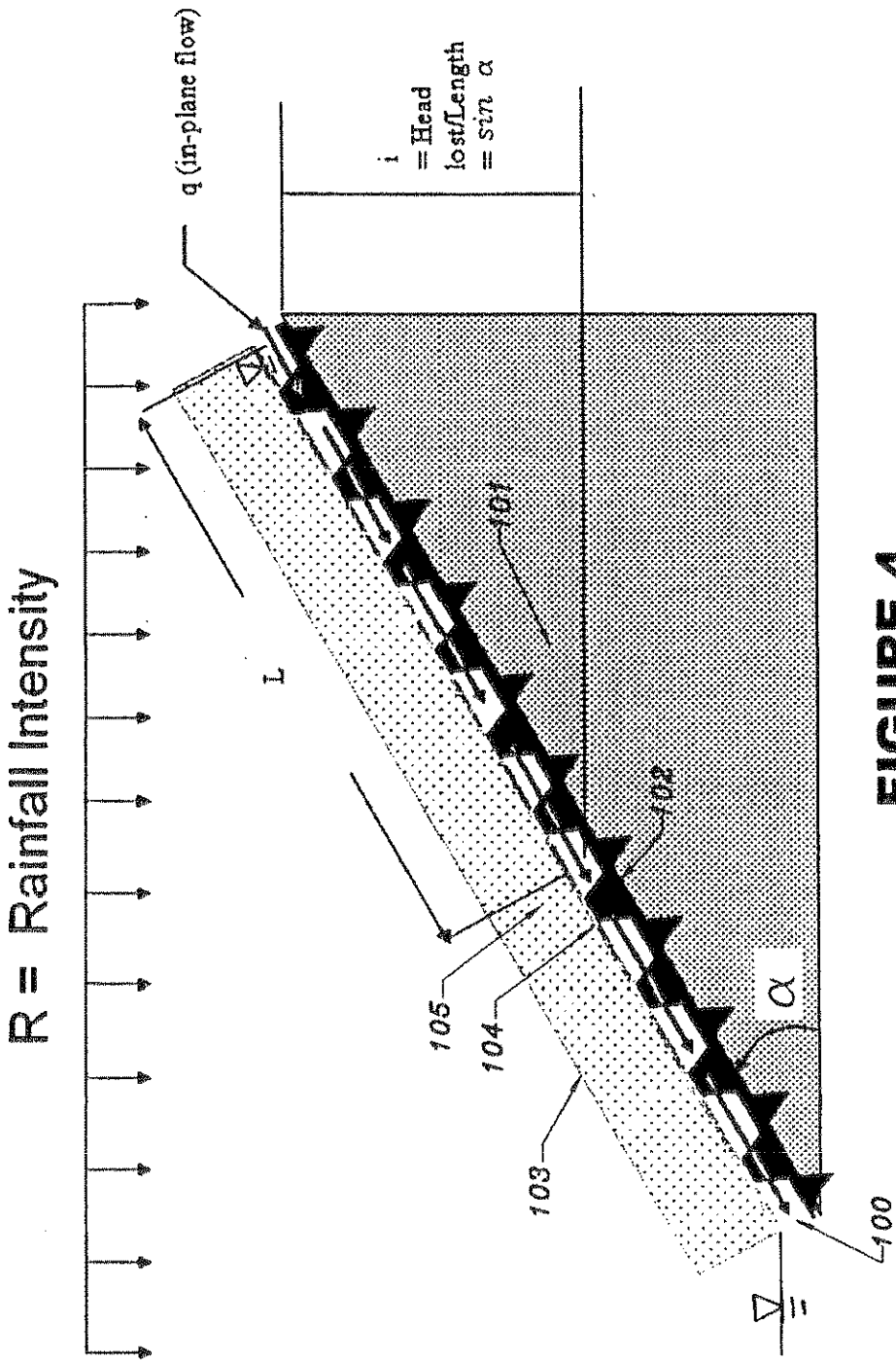
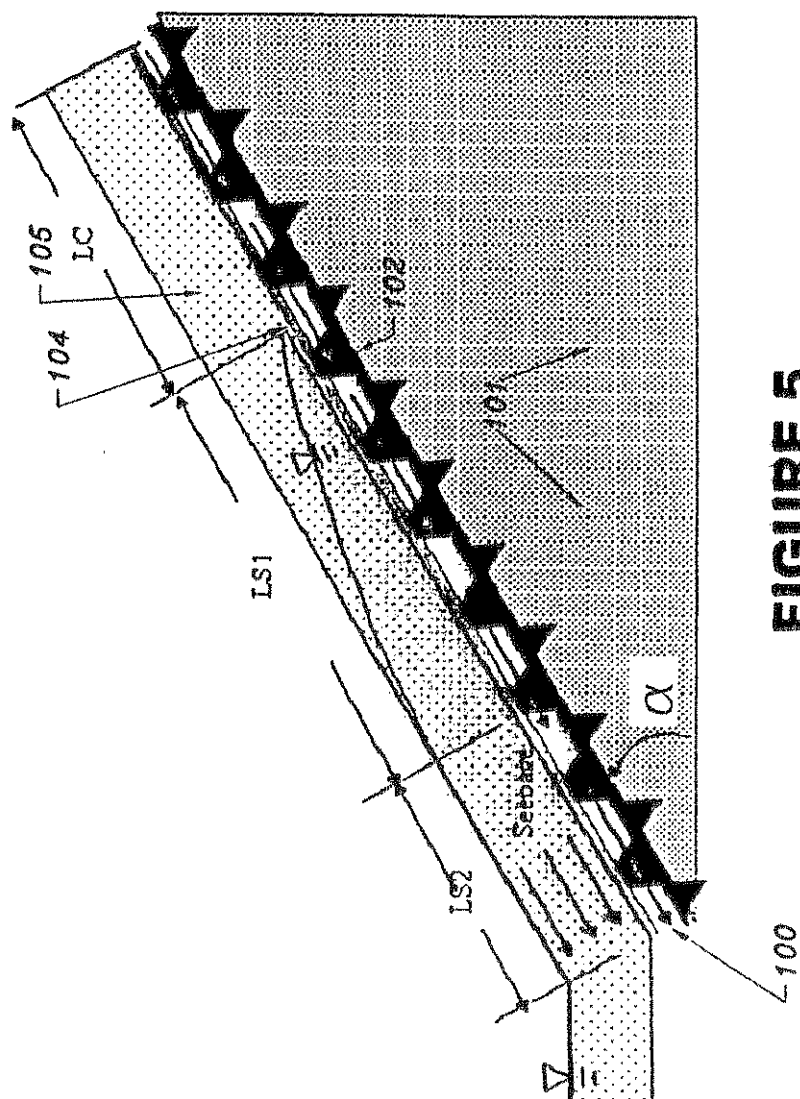
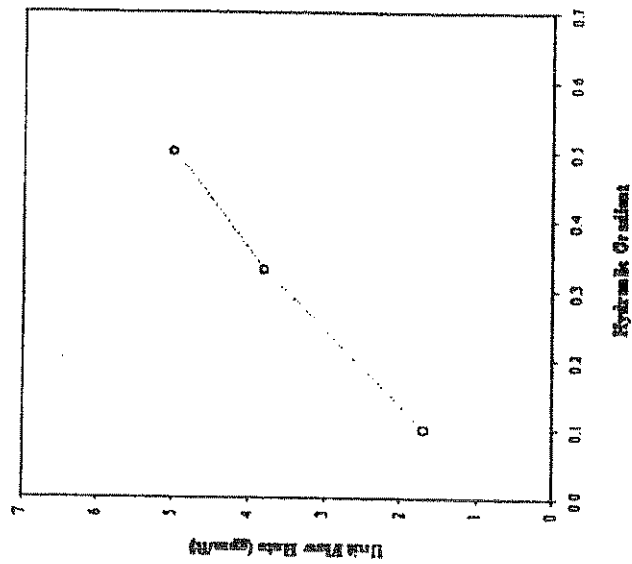


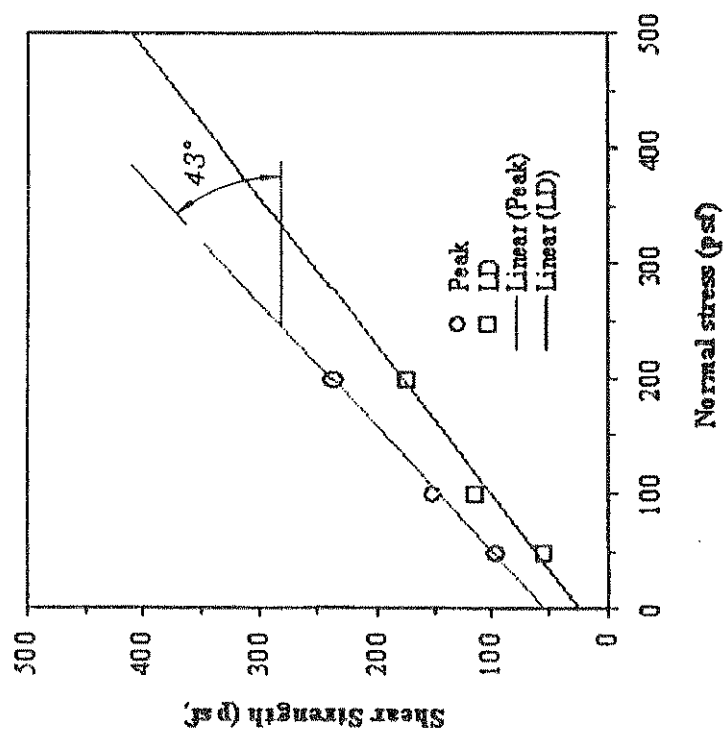
FIGURE 4

**FIGURE 5**

**FIGURE 6.1**

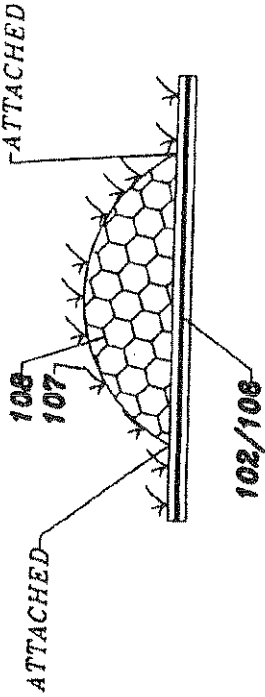
TEST NO.	FLOW DIRECTION	SPECIMEN SIZE WIDTH x LENGTH (in. x in.)	NORMAL STRESS (psf)	SEATING TIME (hour)	HYDRAULIC GRADIENT (-)	TRANSMISSIVITY (m ² /sec)	FLOW RATE	
							(gpm/ft)	(ft ³ /hr/ft)
1	MD	12x12	50	0.25	0.10	3.52E-03	1.7	21.1
2	MD	12x12	50	0.25	0.33	2.38E-03	3.8	47.2
3	MD	12x12	50	0.25	0.50	2.07E-03	5.0	62.1

FIGURE 6

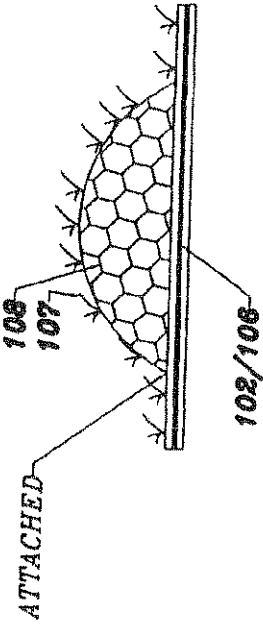
**FIGURE 7**

LOW SECTION	HYDRAULIC GRADIENT i (-)	TRANSMISSIVITY (m^2/sec)	FLOW RATE		RAINFALL INTENSITY R (ft/hr)	SLOPE ANGLE α (degree)	CRITICAL SLOPE LENGTH $L_{cr} = q/R \cos \alpha$ (ft)
			(gpm/ft)	($ft^3/hr/ft$)			
MD	0.10	3.52E-03	1.7	13.6	0.333	5.7	41
MD	0.33	2.38E-03	3.8	30.5	0.333	19.3	97
MD	0.50	2.07E-03	5.0	40.1	0.333	30.0	139

FIGURE 8



OPTION 1-HALF WRAP
FIGURE 9.1



OPTION 2-COMPLETE WRAP
FIGURE 9.2

