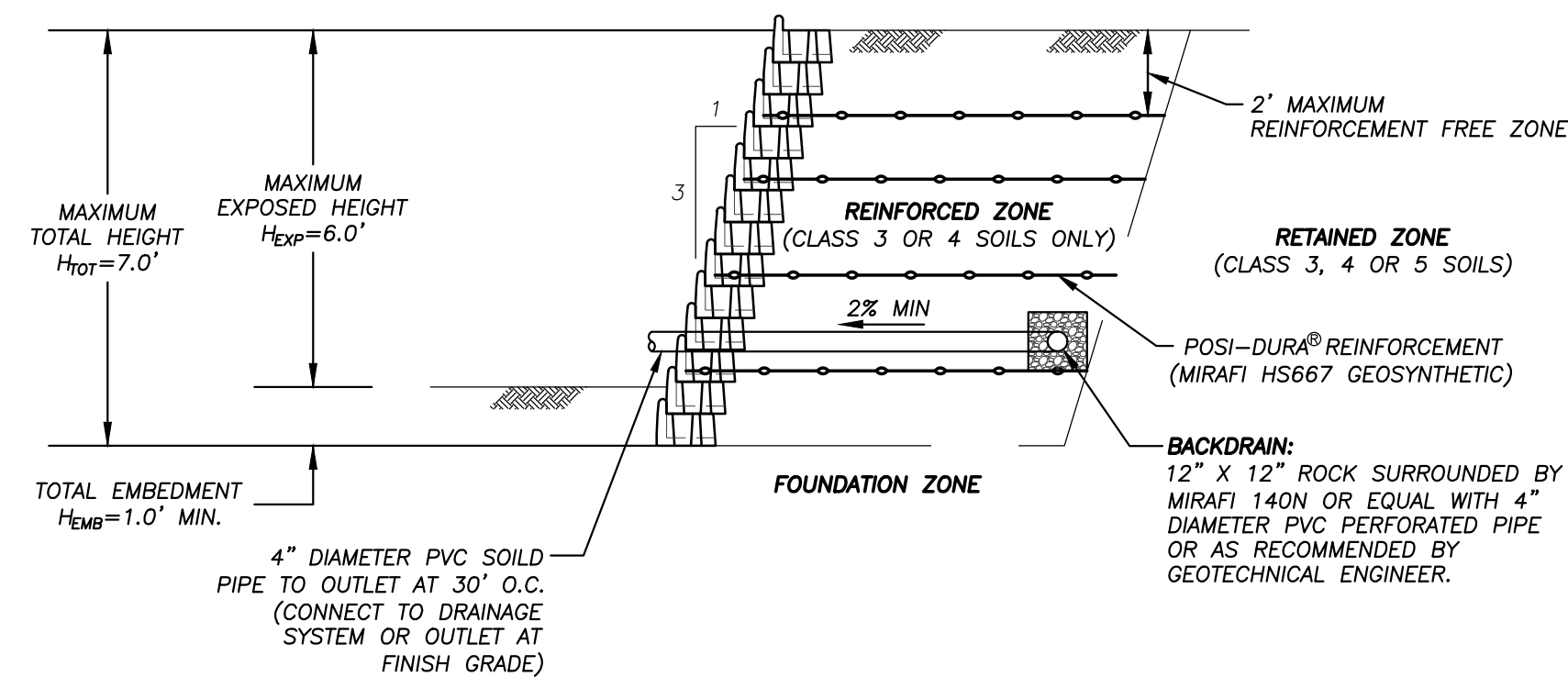
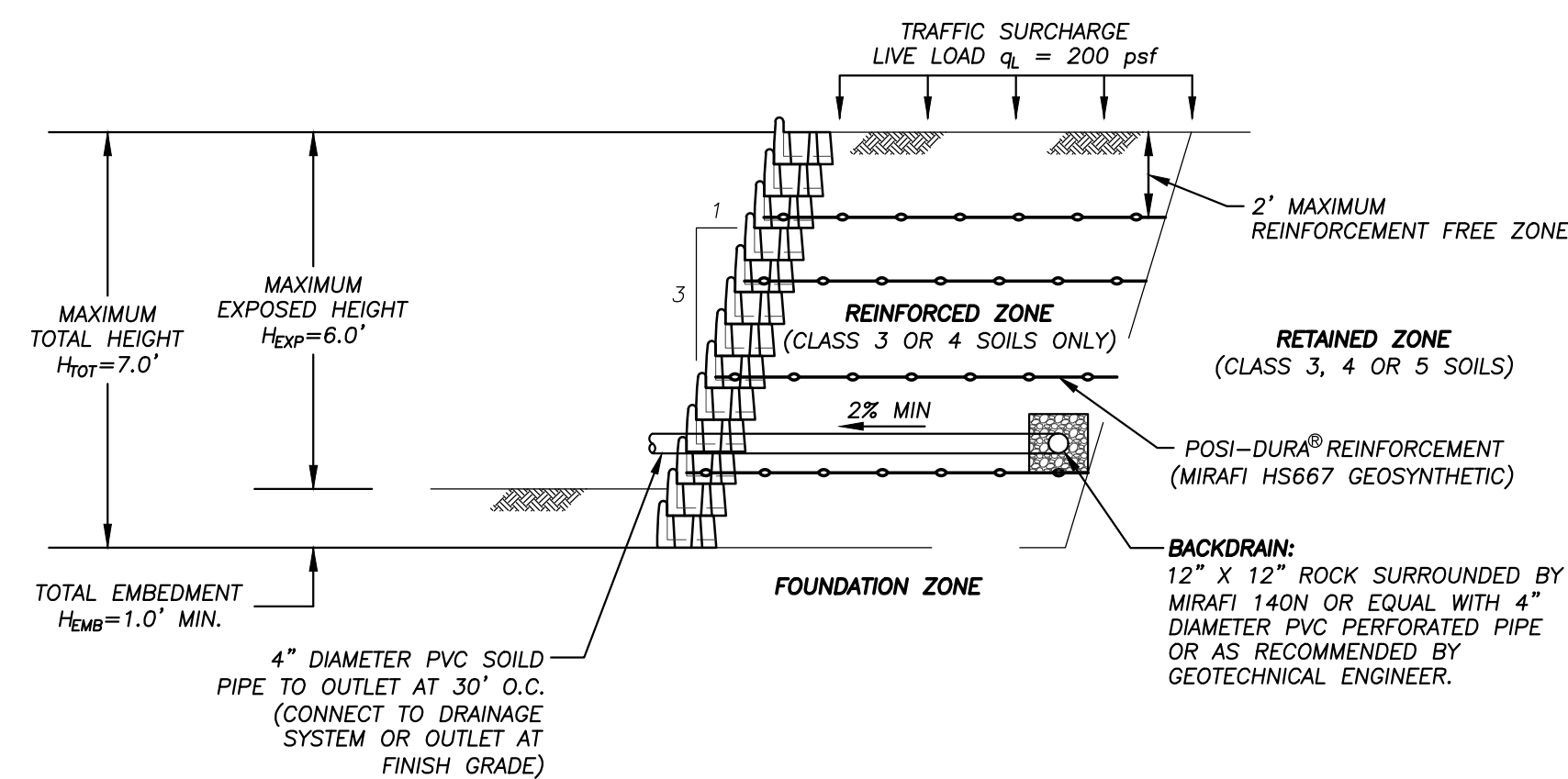


VERDURA® 30 RETAINING WALL DESIGN CASES



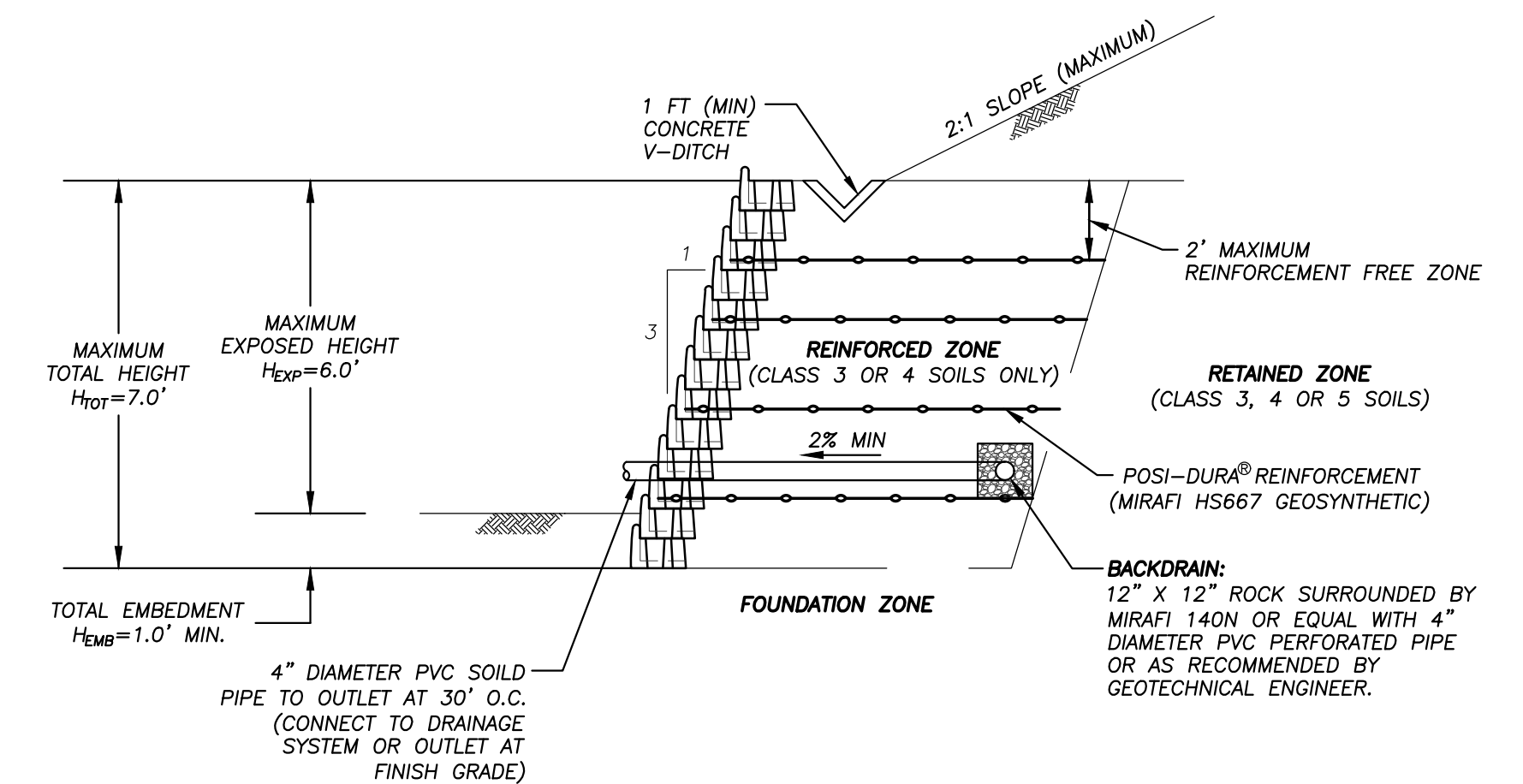
CASE I - LEVEL BACKFILL

SCALE: 1"=3'



CASE II - LEVEL BACKFILL W/ TRAFFIC SURCHARGE

SCALE: 1"=3'



CASE III - 2:1 SLOPING BACKFILL

SCALE: 1"=3'

CLASS OF SOIL PER TABLE 4	TOTAL WALL HEIGHT (H _{TOT}) (FEET) INCLUDING EMBEDMENT	EXPOSED WALL HEIGHT (H _{EXP}) (FEET)	EMBEDMENT DEPTH (H _{EMB}) (FEET)	NUMBER OF POSI-DURA LAYERS	LENGTH OF POSI-DURA REINFORCEMENT (FEET)
3 GW AND GP	4.3 TO 5.0	3.3 TO 4.0	1.0	2	3.5
	5.0 TO 6.0	4.0 TO 5.0	1.0	3	4.5
	6.0 TO 6.5	5.0 TO 5.5	1.0	3	4.5
	6.5 TO 7.0	5.5 TO 6.0	1.0	4	5.5
4 SW, SP, SM, SC, GM AND GC	4.3 TO 5.0	3.3 TO 4.0	1.0	2	3.5
	5.0 TO 6.0	4.0 TO 5.0	1.0	3	4.5
	6.0 TO 6.5	5.0 TO 5.5	1.0	3	5.5
	6.5 TO 7.0	5.5 TO 6.0	1.0	4	6.5
5 CL, ML, MH AND CH	4.3 TO 5.0	3.3 TO 4.0	1.0	2	3.5
	5.0 TO 6.0	4.0 TO 5.0	1.0	3	4.5
	6.0 TO 6.5	5.0 TO 5.5	1.0	3	5.5
	6.5 TO 7.0	5.5 TO 6.0	1.0	4	6.5

CASE I - LEVEL BACKFILL

CLASS OF SOIL PER TABLE 4	TOTAL WALL HEIGHT (H _{TOT}) (FEET) INCLUDING EMBEDMENT	EXPOSED WALL HEIGHT (H _{EXP}) (FEET)	EMBEDMENT DEPTH (H _{EMB}) (FEET)	NUMBER OF POSI-DURA LAYERS	LENGTH OF POSI-DURA REINFORCEMENT (FEET)
3 GW AND GP	4.3 TO 5.0	3.3 TO 4.0	1.0	2	3.5
	5.0 TO 6.0	4.0 TO 5.0	1.0	3	4.5
	6.0 TO 6.5	5.0 TO 5.5	1.0	3	4.5
	6.5 TO 7.0	5.5 TO 6.0	1.0	4	5.5
4 SW, SP, SM, SC, GM AND GC	4.3 TO 5.0	3.3 TO 4.0	1.0	2	3.5
	5.0 TO 6.0	4.0 TO 5.0	1.0	3	4.5
	6.0 TO 6.5	5.0 TO 5.5	1.0	3	5.5
	6.5 TO 7.0	5.5 TO 6.0	1.0	4	6.5
5 CL, ML, MH AND CH	4.3 TO 5.0	3.3 TO 4.0	1.0	2	3.5
	5.0 TO 6.0	4.0 TO 5.0	1.0	3	4.5
	6.0 TO 6.5	5.0 TO 5.5	1.0	3	5.5
	6.5 TO 7.0	5.5 TO 6.0	1.0	4	6.5

CASE II - LEVEL BACKFILL W/ TRAFFIC SURCHARGE

CLASS OF SOIL PER TABLE 4	TOTAL WALL HEIGHT (H _{TOT}) (FEET) INCLUDING EMBEDMENT	EXPOSED WALL HEIGHT (H _{EXP}) (FEET)	EMBEDMENT DEPTH (H _{EMB}) (FEET)	NUMBER OF POSI-DURA LAYERS	LENGTH OF POSI-DURA REINFORCEMENT (FEET)
3 GW AND GP	4.3 TO 5.0	3.3 TO 4.0	1.0	2	4.5
	5.0 TO 6.0	4.0 TO 5.0	1.0	3	5.5
	6.0 TO 6.5	5.0 TO 5.5	1.0	3	6.5
	6.5 TO 7.0	5.5 TO 6.0	1.0	4	7.5
4 SW, SP, SM, SC, GM AND GC	4.3 TO 5.0	3.3 TO 4.0	1.0	2	5.5
	5.0 TO 6.0	4.0 TO 5.0	1.0	3	6.5
	6.0 TO 6.5	5.0 TO 5.5	1.0	3	7.5
	6.5 TO 7.0	5.5 TO 6.0	1.0	4	8.5
5 CL, ML, MH AND CH	4.3 TO 5.0	3.3 TO 4.0	1.0	2	6.5
	5.0 TO 6.0	4.0 TO 5.0	1.0	3	7.5
	6.0 TO 6.5	5.0 TO 5.5	1.0	3	9.5
	6.5 TO 7.0	5.5 TO 6.0	1.0	4	10.5

CASE III - 2:1 SLOPING BACKFILL



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