

APPENDIX 8

DISPOSAL FIELD AREA REQUIREMENTS

The information set forth in this Appendix, shall be utilized in the planning and design of all subsurface sewage disposal system areas for all parcels of land (platted or unplatted). Tables A8-1 and A8-2 are for use in establishing the number and size of the disposal field areas that will be required on a parcel of land so as to support a single-family dwelling containing the number of bedrooms shown. Tables A8-1 and A8-2 shall not be utilized for the design of any other types of subsurface sewage disposal system disposal field areas (i.e., commercial, institutional or industrial use land parcels, etc.).

Table A8-1

Number & Minimum Size (ft ²) of Disposal Field Areas — For Conventional and LPP/MLPP Systems									
Soil MPI Rates	System Type	Slopes	1-2 Bedrooms	3 Bedrooms	4 Bedrooms	5 Bedrooms	6 Bedrooms	7 Bedrooms	8 Bedrooms
30 – 45 MPI Soils	Conventional	0-5%	2 @ 3,000	2 @ 4,000	2 @ 5,000	2 @ 6,000	2 @ 8,000	2 @ 9,000	2 @ 10,000
		5-15%	2 @ 3,500	2 @ 5,250	2 @ 6,500	2 @ 8,000	2 @ 10,500	2 @ 11,750	2 @ 13,000
		15-25%	2 @ 4,000	2 @ 6,000	2 @ 8,000	2 @ 10,000	2 @ 12,000	2 @ 14,000	2 @ 16,000
	LPP / MLPP	0-5%	2 @ 3,000	2 @ 3,500	2 @ 4,000	2 @ 5,000	2 @ 7,000	2 @ 7,500	2 @ 8,000
		5-15%	2 @ 3,500	2 @ 3,750	2 @ 4,500	2 @ 5,500	2 @ 7,500	2 @ 8,250	2 @ 9,000
		15-25%	2 @ 4,000	2 @ 5,000	2 @ 6,000	2 @ 8,000	2 @ 10,000	2 @ 11,000	2 @ 12,000
60 MPI Soils	Conventional	0-5%	2 @ 3,500	2 @ 4,500	2 @ 5,500	2 @ 6,500	2 @ 9,000	2 @ 10,000	2 @ 11,000
		5-15%	2 @ 4,250	2 @ 5,500	2 @ 6,800	2 @ 8,250	2 @ 11,000	2 @ 12,300	2 @ 13,600
		15-25%	2 @ 5,000	2 @ 6,500	2 @ 8,250	2 @ 10,750	2 @ 13,000	2 @ 14,750	2 @ 16,500
	LPP / MLPP	0-5%	2 @ 3,250	2 @ 3,800	2 @ 4,500	2 @ 5,500	2 @ 7,600	2 @ 8,300	2 @ 9,000
		5-15%	2 @ 3,750	2 @ 4,000	2 @ 5,000	2 @ 6,000	2 @ 8,000	2 @ 9,000	2 @ 10,000
		15-25%	2 @ 4,750	2 @ 5,750	2 @ 7,000	2 @ 9,000	2 @ 11,500	2 @ 12,750	2 @ 14,000
75MPI Soils	Conventional *	0-5%	2 @ 3,800	2 @ 5,750	2 @ 6,750	2 @ 8,250	2 @ 11,500	2 @ 12,500	2 @ 13,500
		5-15%	2 @ 4,750	2 @ 6,500	2 @ 8,250	2 @ 10,250	2 @ 13,000	2 @ 14,750	2 @ 16,500
		15-25%	2 @ 5,750	2 @ 7,500	2 @ 10,000	2 @ 12,500	2 @ 15,000	2 @ 17,500	2 @ 20,000
	LPP / MLPP	0-5%	2 @ 3,500	2 @ 5,000	2 @ 5,500	2 @ 7,500	2 @ 10,000	2 @ 10,500	2 @ 11,000
		5-15%	2 @ 4,000	2 @ 6,000	2 @ 6,500	2 @ 8,000	2 @ 12,000	2 @ 12,500	2 @ 13,000
		15-25%	2 @ 5,000	2 @ 6,500	2 @ 7,500	2 @ 9,500	2 @ 13,000	2 @ 14,000	2 @ 15,000

*NOTE: The use of conventional subsurface sewage disposal systems in 75MPI soils shall not be allowed on platted parcels less than five (5) acres in size. Where such soils are indicated upon a soil map, their use on platted parcels less than five (5) acres in size shall be restricted to LPP/MLPP system use only.

Table A8-2

Minimum Size (ft ²) of Disposal Field Area — For Drip Disposal Systems (per each area – primary and secondary)										
Hydraulic Loading Rate	Slopes	Depth to Restrictive Layer (in.)	1 Bedroom	2 Bedrooms	3 Bedrooms	4 Bedrooms	5 Bedrooms	6 Bedrooms	7 Bedrooms	8 Bedrooms
0.5 - gpd/ft ²	≤ 9%	< 24 "	300	600	900	1,200	1,500	1,800	2,100	2,400
		≥ 24 "	300	600	900	1,200	1,500	1,800	2,100	2,400
	10-20%	< 24 "	345	690	1,035	1,380	1,725	2,070	2,415	2,760
		≥ 24 "	300	600	900	1,200	1,500	1,800	2,100	2,400
	20-30%	< 24 "	405	810	1,215	1,620	2,025	2,430	2,835	3,240
		≥ 24 "	345	690	1,035	1,380	1,725	2,070	2,415	2,760
	30-35%	< 24 "	450	900	1,350	1,800	2,250	2,700	3,150	3,600
		≥ 24 "	405	810	1,215	1,620	2,025	2,430	2,835	3,240
0.4 - gpd/ft ²	≤ 9%	< 24 "	375	750	1,125	1,500	1,875	2,250	2,625	3,000
		≥ 24 "	375	750	1,125	1,500	1,875	2,250	2,625	3,000
	10-20%	< 24 "	431	863	1,294	1,725	2,156	2,588	3,019	3,450
		≥ 24 "	375	750	1,125	1,500	1,875	2,250	2,625	3,000
	20-30%	< 24 "	506	1,013	1,519	2,025	2,531	3,038	3,544	4,050
		≥ 24 "	431	863	1,294	1,725	2,156	2,588	3,019	3,450
	30-35%	< 24 "	563	1,125	1,688	2,250	2,813	3,375	3,938	4,500
		≥ 24 "	506	1,013	1,519	2,025	2,531	3,038	3,544	4,050
0.3 - gpd/ft ²	≤ 9%	< 24 "	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000
		≥ 24 "	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000
	10-20%	< 24 "	575	1,150	1,725	2,300	2,875	3,450	4,025	4,600
		≥ 24 "	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000
	20-30%	< 24 "	675	1,350	2,025	2,700	3,375	4,050	4,725	5,400
		≥ 24 "	575	1,150	1,725	2,300	2,875	3,450	4,025	4,600
	30-35%	< 24 "	750	1,500	2,250	3,000	3,750	4,500	5,250	6,000
		≥ 24 "	675	1,350	2,025	2,700	3,375	4,050	4,725	5,400

Table A8-2 (continued)

Minimum Size (ft ²) of Disposal Field Area — For Drip Disposal Systems (per each area – primary and secondary)										
Hydraulic Loading Rate	Slopes	Depth to Restrictive Layer (in.)	1 Bedroom	2 Bedrooms	3 Bedrooms	4 Bedrooms	5 Bedrooms	6 Bedrooms	7 Bedrooms	8 Bedrooms
0.2 - gpd/ft ²	≤ 9%	< 24 "	750	1,500	2,250	3,000	3,750	4,500	5,250	6,000
		≥ 24 "	750	1,500	2,250	3,000	3,750	4,500	5,250	6,000
	10-20%	< 24 "	863	1,725	2,588	3,450	4,313	5,175	6,038	6,900
		≥ 24 "	750	1,500	2,250	3,000	3,750	4,500	5,250	6,000
	20-30%	< 24 "	1,013	2,025	3,038	4,050	5,063	6,075	7,088	8,100
		≥ 24 "	863	1,725	2,588	3,450	4,313	5,175	6,038	6,900
	30-35%	< 24 "	1,125	2,250	3,375	4,500	5,625	6,750	7,875	9,000
		≥ 24 "	1,013	2,025	3,038	4,050	5,063	6,075	7,088	8,100
0.1 - gpd/ft ²	≤ 9%	< 24 "	1,500	3,000	4,500	6,000	7,500	9,000	10,500	12,000
		≥ 24 "	1,500	3,000	4,500	6,000	7,500	9,000	10,500	12,000
	10-20%	< 24 "	1,725	3,450	5,175	6,900	8,625	10,350	12,075	13,800
		≥ 24 "	1,500	3,000	4,500	6,000	7,500	9,000	10,500	12,000
	20-30%	< 24 "	2,025	4,050	6,075	8,100	10,125	12,150	14,175	16,200
		≥ 24 "	1,725	3,450	5,175	6,900	8,625	10,350	12,075	13,800
	30-35%	< 24 "	2,250	4,500	6,750	9,000	11,250	13,500	15,750	18,000
		≥ 24 "	2,025	4,050	6,075	8,100	10,125	12,150	14,175	16,200
0.075 - gpd/ft ²	≤ 9%	< 24 "	2,000	4,000	6,000	8,000	10,000	12,000	14,000	16,000
		≥ 24 "	2,000	4,000	6,000	8,000	10,000	12,000	14,000	16,000
	10-20%	< 24 "	2,300	4,600	6,900	9,200	11,500	13,800	16,100	18,400
		≥ 24 "	2,000	4,000	6,000	8,000	10,000	12,000	14,000	16,000
	20-30%	< 24 "	2,700	5,400	8,100	10,800	13,500	16,200	18,900	21,600
		≥ 24 "	2,300	4,600	6,900	9,200	11,500	13,800	16,100	18,400
	30-35%	< 24 "	3,000	6,000	9,000	12,000	15,000	18,000	21,000	24,000
		≥ 24 "	2,700	5,400	8,100	10,800	13,500	16,200	18,900	21,600