



Base Reservoir Depth per Infiltration Rate

Expansive Soils

Soil KSAT - inches per hour in saturated soil

	0	0.025	0.05	0.1	0.15	0.2	0.25	0.3
	4	6	6	6	6	6	6	6
	4.25	7	6	6	6	6	6	6
	4.5	7	6	6	6	6	6	6
	4.75	8	6	6	6	6	6	6
	5	8	7	6	6	6	6	6
	5.25	9	7	6	6	6	6	6
	5.5	10	8	6	6	6	6	6
	5.75	10	8	6	6	6	6	6
	6	11	9	6	6	6	6	6
Rain	6.25	11	10	7	6	6	6	6
Event	6.5	12	10	7	6	6	6	6
(inches)	6.75	13	11	8	6	6	6	6
	7	13	11	8	6	6	6	6
	7.25	14	12	9	7	6	6	6
	7.5	14	13	10	7	6	6	6
	7.75	15	13	10	8	6	6	6
	8	16	14	11	8	6	6	6
	8.25	17	14	11	9	6	6	6
	8.5	17	15	12	10	7	6	6
	8.75	18	16	13	10	7	6	6
	9	18	17	13	11	8	6	6
	9.25	19	17	14	11	9	6	6
	9.5	20	18	14	12	9	7	6
	9.75	20	18	15	13	10	7	6
	10	21	18	16	13	10	8	6

Base reservoir section required under 6" slab (inches)



Base Reservoir Depth per Infiltration Rate

Non-Expansive soil

Soil KSAT - inches per hour in saturated soil

	0	0.025	0.05	0.1	0.15	0.2	0.25	0.3
	4	6	6	6	0	0	0	0
	4.25	7	6	6	0	0	0	0
	4.5	7	6	6	6	0	0	0
	4.75	8	6	6	6	0	0	0
	5	8	7	6	6	0	0	0
	5.25	9	7	6	6	6	0	0
	5.5	10	8	6	6	6	0	0
	5.75	10	8	6	6	6	0	0
	6	11	9	6	6	6	6	0
Rain	6.25	11	10	7	6	6	6	0
Event	6.5	12	10	7	6	6	6	6
(inches)	6.75	13	11	8	6	6	6	6
	7	13	11	8	6	6	6	6
	7.25	14	12	9	7	6	6	6
	7.5	14	13	10	7	6	6	6
	7.75	15	13	10	8	6	6	6
	8	16	14	11	8	6	6	6
	8.25	17	14	11	9	6	6	6
	8.5	17	15	12	10	7	6	6
	8.75	18	16	13	10	7	6	6
	9	18	17	13	11	8	6	6
	9.25	19	17	14	11	9	6	6
	9.5	20	18	14	12	9	7	6
	9.75	20	18	15	13	10	7	6
	10	21	18	16	13	10	8	6

Base reservoir section required under 6" slab (Inches)