



CALCULATE REQUIRED GPM FLOW RATE

DRAINAGE COEFFICIENT

Drainage Coefficient	GPM Rate (per Acre)	Total Acres to Drain	Total GPM to Pump
1/4"	4.70	×	=
3/8"	7.07	×	=
1/2"	9.43	×	=
3/4	14.14	×	=
1"	18.86	×	=

SINGLE-WALL FLEXIBLE

		Percentage % Grade in Tenths					
Diameter		0.05	0.10	0.15	0.20	0.25	0.30
3"	GPM	8	11	13	15	17	19
4"	GPM	17	23	29	33	37	41
5"	GPM	30	42	52	60	67	74
6"	GPM	49	69	85	98	109	120
8"	GPM	99	139	171	197	220	241
10"	GPM	168	238	291	336	376	412
12"	GPM	245	346	424	489	547	599
15"	GPM	444	627	768	887	992	1,086

DUAL-WALL FLEXIBLE

		Percentage % Grade in Tenths					
Diameter		0.05	0.10	0.15	0.20	0.25	0.30
8"	GPM	119	168	205	237	265	290
10"	GPM	215	304	372	430	481	526
12"	GPM	349	494	605	699	781	856
15"	GPM	634	896	1,098	1,267	1,417	1,552

DUAL-WALL RIGID

		Percentage % Grade in Tenths					
Diameter		0.05	0.10	0.15	0.20	0.25	0.30
18"	GPM	1,142	1,615	1,978	2,284	2,554	2,797
24"	GPM	2,459	3,478	4,260	4,919	5,500	6,024
30"	GPM	4,459	6,306	7,724	8,919	9,971	10,923
36"	GPM	7,251	10,255	12,560	14,503	16,214	17,762
42"	GPM	10,938	15,469	18,945	21,876	24,458	26,793
48"	GPM	15,617	22,085	27,049	31,233	34,920	38,253
60"	GPM	28,315	40,043	49,043	56,629	63,314	69,357