

Enkadrain Flow Chart

Enkadrain Drain Type	Backfill feet	Silty Sand K Value .33				Clayey Sand K Value .42				Sandy Clay K Value .56			
		Soil Seepage	Drain Flow	Safety Factor	Soil Pressure*	Soil Seepage	Drain Flow	Safety Factor	Soil Pressure*	Soil Seepage	Drain Flow	Safety Factor	Soil Pressure*
		gal/min/ft	gal/min/ft		psf	gal/min/ft	gal/min/ft		psf	gal/min/ft	gal/min/ft		psf
3611R	10	0.15	22.3	148	363	0.015	22.1	1,472	462	0.0015	21.7	14,466	616
3615R	10	0.15	21.0	140	363	0.015	21.0	1,400	462	0.0015	20.7	13,799	616
3811R	10	0.15	19.3	128	363	0.015	18.4	1,228	462	0.0015	18.1	12,036	616
9010 BTM	10	0.15	5.5	37	363	0.015	5.5	367	462	0.0015	4.6	3,048	616
9120	10	0.15	17.5	117	363	0.015	17.5	1,167	462	0.0015	14.9	9,965	616
3611R	15	0.22	21.9	99	545	0.022	21.5	977	693	0.0022	20.9	9,499	924
3615R	15	0.22	20.9	95	545	0.022	20.5	932	693	0.0022	19.9	9,044	924
3811R	15	0.22	18.1	82	545	0.022	18.0	819	693	0.0022	17.9	8,150	924
9010 BTM	15	0.22	5.1	23	545	0.022	4.0	180	693	0.0022	2.8	1,275	924
9120	15	0.22	16.5	75	545	0.022	13.3	602	693	0.0022	9.2	4,189	924
3611R	20	0.29	21.4	74	726	0.029	20.9	721	924	0.0029	20.3	7,002	1232
3615R	20	0.29	20.4	70	726	0.029	19.9	686	924	0.0029	19.5	6,737	1232
3811R	20	0.29	18.0	62	726	0.029	17.9	618	924	0.0029	17.6	6,084	1232
9010 BTM	20	0.29	3.7	13	726	0.029	2.8	97	924	0.0029	2.0	702	1232
9120	20	0.29	12.5	43	726	0.029	9.2	318	924	0.0029	6.4	2,199	1232
3611R	30	0.44	20.5	47	1089	0.044	20.0	456	1386	0.0044	19.3	4,377	1848
3615R	30	0.44	19.6	45	1089	0.044	19.4	442	1386	0.0044	19.1	4,342	1848
3811R	30	0.44	17.8	40	1089	0.044	17.5	397	1386	0.0044	17.0	3,856	1848
9120	30	0.44	7.4	17	1089	0.044	5.3	120	1386	0.0044	3.5	785	1848
3611R	40	0.63	19.9	32	1452	0.063	19.3	306	1848	0.0063	17.6	2,795	2464
3615R	40	0.63	19.4	31	1452	0.063	19.1	303	1848	0.0063	19.0	3,009	2464
3811R	40	0.63	17.4	28	1452	0.063	17.0	269	1848	0.0063	15.0	2,379	2464
9120	40	0.63	4.8	8	1452	0.063	3.5	55	1848	0.0063	N/A	N/A	2464

*Based on a soil density of: 110 lb/ft³