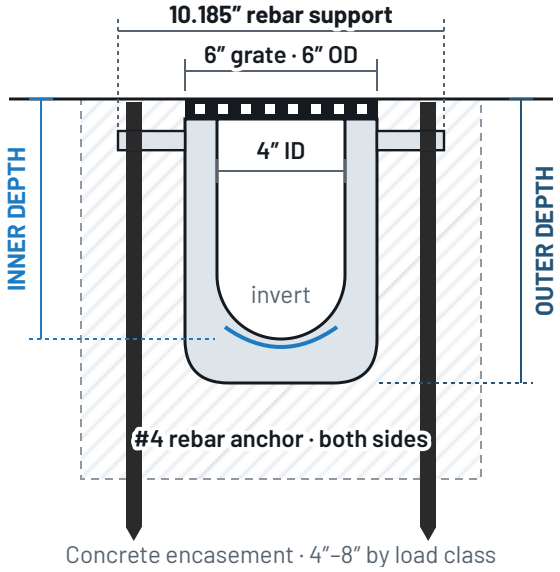
SWIFTDRAIN MODEL 600 · SLOPE DETAIL

CUT SHEET
6″ HDPE pre-sloped trench drain · Rev. Oct 2026

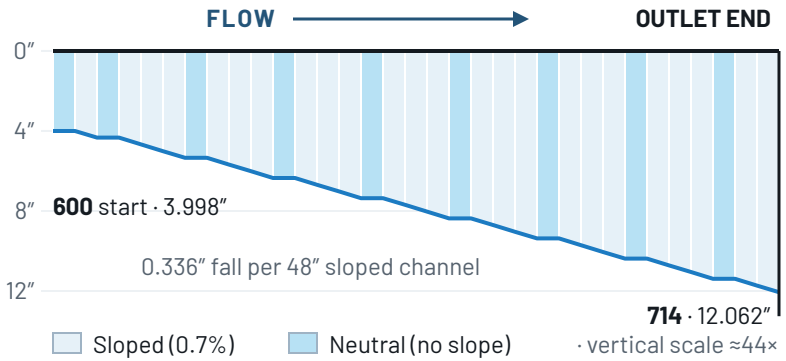
A · TYPICAL CHANNEL SECTION



Concrete encasement · 4″–8″ by load class

Channel	HDPE · 48″ long
Grate width	6″
Internal width	4″
Rebar support	10.185″ · #4 bar
Built-in slope	0.7% · 0.336″ / channel
Inner depth range	3.998″ – 12.062″
Pieces	24 sloped + 9 neutral
Full sequence	Extendable upwards of 1,000 ft with neutrals

B · LONGITUDINAL SLOPE PROFILE · FULL 33-PIECE SEQUENCE



1. Channels are numbered in flow order. Set 600 at the start and run toward 714, arrows pointing to the outlet.

2. A neutral (N) channel matches the depth of the sloped channel before it. Insert one or more to lengthen a run without adding depth.

3. Drive #4 rebar through the integral rebar support on each side, set to grade, then tie off. Inner depth is to the invert; outer depth is to the channel underside.

C · CHANNEL DEPTH & SLOPE CHART

inches · lbs per channel

		INNER DEPTH		OUTER DEPTH			
PART	TYPE	Start	End	Min	Max	GPM	LBS
600	Neutral	3.998	3.998	5.354	5.761	76	7.50
691	Sloped	3.998	4.334	5.690	5.771	74	7.50
691N	Neutral	4.334	4.334	5.692	6.102	87	7.85
692	Sloped	4.334	4.670	6.062	6.105	87	7.91
693	Sloped	4.670	5.006	6.362	6.443	102	8.25
694	Sloped	5.006	5.342	6.698	6.779	116	8.67
694N	Neutral	5.342	5.342	6.700	7.112	132	8.90
695	Sloped	5.342	5.678	7.034	7.113	132	8.95
696	Sloped	5.678	6.014	7.370	7.451	146	9.34
697	Sloped	6.014	6.350	7.706	7.787	158	9.72
697N	Neutral	6.350	6.350	7.708	8.112	172	10.03
698	Sloped	6.350	6.686	8.042	8.123	172	10.12
699	Sloped	6.686	7.022	8.378	8.456	188	10.44
700	Sloped	7.022	7.358	8.714	8.793	200	10.82
700N	Neutral	7.358	7.358	8.716	9.122	216	11.12
701	Sloped	7.358	7.694	9.050	9.135	216	11.24
702	Sloped	7.694	8.030	9.386	9.466	228	11.61
703	Sloped	8.030	8.366	9.722	9.802	242	11.93
703N	Neutral	8.366	8.366	9.724	10.136	258	12.24
704	Sloped	8.366	8.702	10.058	10.134	258	12.32
705	Sloped	8.702	9.038	10.394	10.521	270	12.72
706	Sloped	9.038	9.374	10.730	10.812	286	13.05
706N	Neutral	9.374	9.374	10.732	11.142	300	13.38
707	Sloped	9.374	9.710	11.066	11.145	300	13.40
708	Sloped	9.710	10.046	11.402	11.486	314	13.82
709	Sloped	10.046	10.382	11.738	11.812	326	14.21
709N	Neutral	10.382	10.382	11.740	12.154	340	14.49
710	Sloped	10.382	10.718	12.074	12.153	340	14.53
711	Sloped	10.718	11.054	12.410	12.491	354	14.94
712	Sloped	11.054	11.390	12.746	12.892	367	15.33
712N	Neutral	11.390	11.390	12.785	13.153	381	15.60
713	Sloped	11.390	11.726	13.082	13.167	381	15.84
714	Sloped	11.726	12.062	13.418	13.499	395	16.05