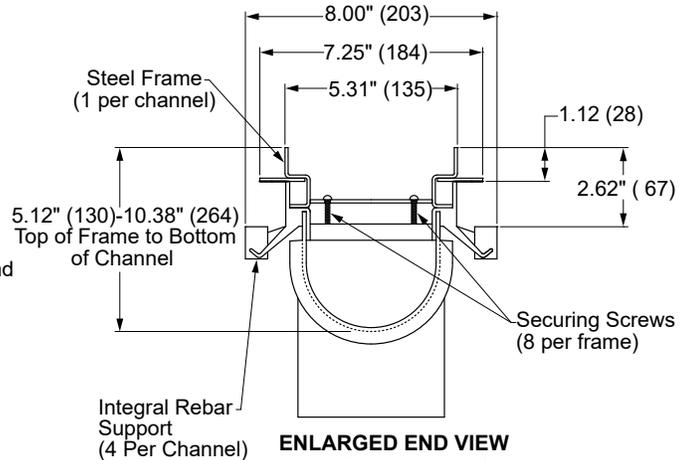
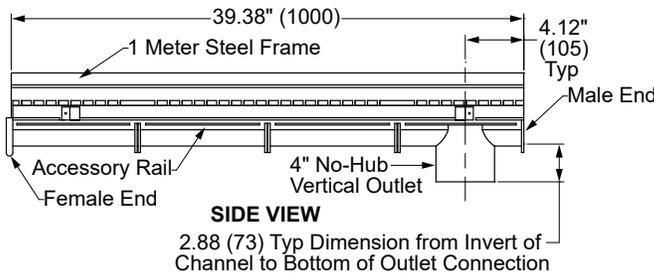
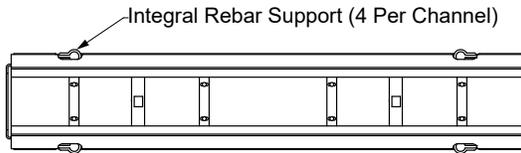
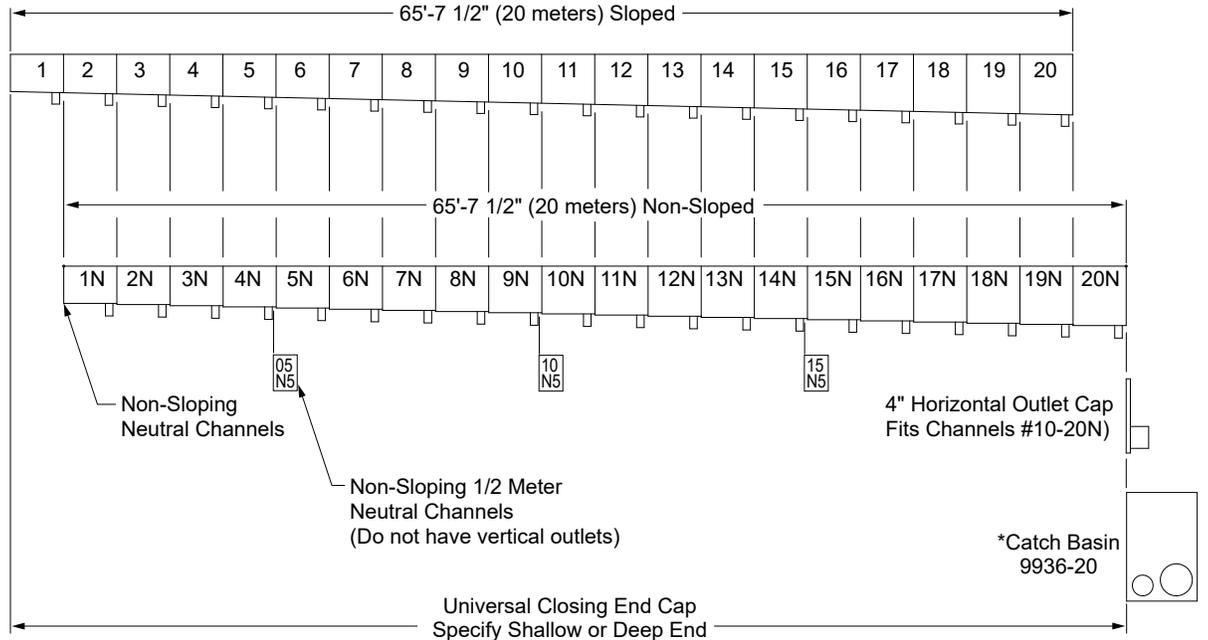


9931 SERIES ENVIRO-FLO® II DRAIN SYSTEM

DRAWING NUMBER: S9931
 SIZE: A
 SCALE: NONE
 DATE: 8-11-94
 APPROVED BY: PACE
 CHECKED BY: PACE
 DRAWN BY: TWK
 FIGURE NUMBER: 9931

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 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE



REGULARLY FURNISHED:

1 Meter (3.28') 100% Polypropylene U.V. Inhibitors. Channel of Interlocking Design with a Built-in Slope of 0.6% with Radiused Bottom along with Black Painted Steel Frame System. Supplied with Secured Grate.

VARIATIONS:

- Grate Specifications (See Back)
- Closing End Cap Shallow -ES
- Closing End Cap Deep -ED
- Horizontal Outlet 4" -H4
- Catch Basin Only 9936-20
- Catch Basin Plastic Bucket -BP
- End Frame -EF (Specify 1/2 or 1 meter long)
- Direction Change Coupling -MC
- 4" NO-HUB Bottom Outlet Adaptor -BO***
- Stainless Steel Frame

ENLARGED END VIEW

Note: Dimensions in parentheses are in mm.

*Note: If Catch Basin is Specified For Any Other Channel Except For the #20 Channel, a Shim Must be Ordered, P/N: 9930-ES

Note: This Trench Drain System is Designed for "On Grade Applications Only" as There are No Provisions for a Flashing Flange or Flashing Clamp

**Note: All 1 Meter Long Sloped and Neutral Channels Have a Molded 4"(111) NO-HUB Bottom Connection.

***Note: See Other side of sheet

PATENT NO. 10,047,512

BB	10-7-25	Removed -HDF, Extra Heavy Duty	TB	KV
AA	9-8-23	Revised Variations	HS	CL
Z	9-10-18	Added Patent No.	TBW	PJ
Y	10-19-17	Added -HDF	TBW	PJ
REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT POUNDS	VOLUME CUBIC FEET
---------------	-------------------

FIGURE NUMBER
9931

R

SMITH® JAY R. SMITH MFG. CO.®
 MEMBER OF MORRIS GROUP INTERNATIONAL
 POST OFFICE BOX 3237
 MONTGOMERY, ALABAMA 36109-0237 (USA)
 TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com



MEMBER OF:

LOCATION

9931 SERIES ENVIRO-FLO® II DRAIN SYSTEM

HYDRAULIC CAPACITY AND DEEP END DEPTHS 9931 SYSTEM

CHANNEL NUMBER	DEEP END DEPTH		SLOPE	SINGLE CHANNEL		WEIGHT Lbs.
	IN.	MM.		EST CFS	EST GPM	
9931-1	5.50	140	0.6%	.29	130	23.02
9931-1N	5.50	140	0.0%	.29	130	23.02
9931-2	5.75	146	0.6%	.31	139	23.12
9931-2N	5.75	146	0.0%	.31	139	23.12
9931-3	6.00	152	0.6%	.34	153	23.32
9931-3N	6.00	152	0.0%	.34	153	23.32
9931-4	6.25	159	0.6%	.36	162	23.42
9931-4N	6.25	159	0.0%	.36	162	23.42
9931-5	6.50	165	0.6%	.39	175	23.52
9931-5N	6.50	165	0.0%	.39	175	23.52
9931-6	6.75	171	0.6%	.42	189	23.72
9931-6N	6.75	171	0.0%	.42	189	23.72
9931-7	7.00	178	0.6%	.45	202	23.92
9931-7N	7.00	178	0.0%	.45	202	23.92
9931-8	7.25	184	0.6%	.47	211	24.32
9931-8N	7.25	184	0.0%	.47	211	24.32
9931-9	7.50	191	0.6%	.49	220	24.32
9931-9N	7.50	191	0.0%	.49	220	24.32
9931-10	7.75	197	0.6%	.53	238	24.32
9931-10N	7.75	197	0.0%	.53	238	24.32
9931-11	8.00	203	0.6%	.56	251	24.52
9931-11N	8.00	203	0.0%	.56	251	24.52
9931-12	8.25	210	0.6%	.58	261	24.52
9931-12N	8.25	210	0.0%	.58	261	24.52
9931-13	8.50	216	0.6%	.61	274	24.92
9931-13N	8.50	216	0.0%	.61	274	24.92
9931-14	8.75	222	0.6%	.64	287	24.92
9931-14N	8.75	222	0.0%	.64	287	24.92
9931-15	9.00	229	0.6%	.67	301	25.12
9931-15N	9.00	229	0.0%	.67	301	25.12
9931-16	9.25	235	0.6%	.70	314	25.32
9931-16N	9.25	235	0.0%	.70	314	25.32
9931-17	9.50	241	0.6%	.73	328	25.32
9931-17N	9.50	241	0.0%	.73	328	25.32
9931-18	9.75	248	0.6%	.76	341	25.52
9931-18N	9.75	248	0.0%	.76	341	25.52
9931-19	10.00	254	0.6%	.79	355	25.72
9931-19N	10.00	254	0.0%	.79	355	25.72
9931-20	10.25	260	0.6%	.82	368	25.92
9931-20N	10.25	260	0.0%	.82	368	25.92

Note: Channel flow rates based on channels less grates and open ended.

Extra Heavy Duty DIN 19580/EN 1433

Load Class E: 135,000 lbs - 2,788 psi.

For commercial solid tire traffic patterns, forklifts and impacts from steel struts or metal wheels.

- 9870-435-GHDE - 3 1/4 x 3/8 slotted galv. steel grate (42.60 sq. in.)
- 9870-461-M - 3 15/16 x 3/8 ductile iron slotted grate (34.10 sq. in.)
- 9870-478-MADA - longitudinal slot ductile iron grate (22.50 sq. in.)
- 9870-490-SSHDE - 1 3/4 x 3/8 slotted stainless steel grate (42.60 sq. in.)

***Note: When installing the 9930-BO bottom outlet hub on channel #1, #1N, #2 or #2N, a slight modification is required to the hub due to the close proximity of the channel frame at the top of the channel to the accessory rail. This modification will require that the angled tabs on the clips at the top of the hub must be trimmed off. The clips will have to be pried over the accessory rail with a screwdriver. Refer to page 12 in the installation guide for more information on this modification.

DRAWING NUMBER
s9931-BSSIZE
ASCALE:
NONEDATE:
7-15-94APPROVED BY:
PACECHECKED BY:
PACEDRAWN BY:
TWKFIGURE NUMBER
9931-BS

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S 10-7-25 Added Selections
 R 5-15-24 Added EN 1433
 Q 10-19-17 Added -HDF
 P 10-3-16 Revised Grates, Removed Note

TB TBW
 HS TBW
 KV PJ
 MD MD

WEIGHT
POUNDSVOLUME
CUBIC FEET

FIGURE NUMBER

9931-BS

REV.	DATE	DESCRIPTION	BY	CKD. BY



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov