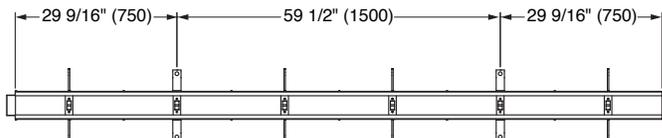
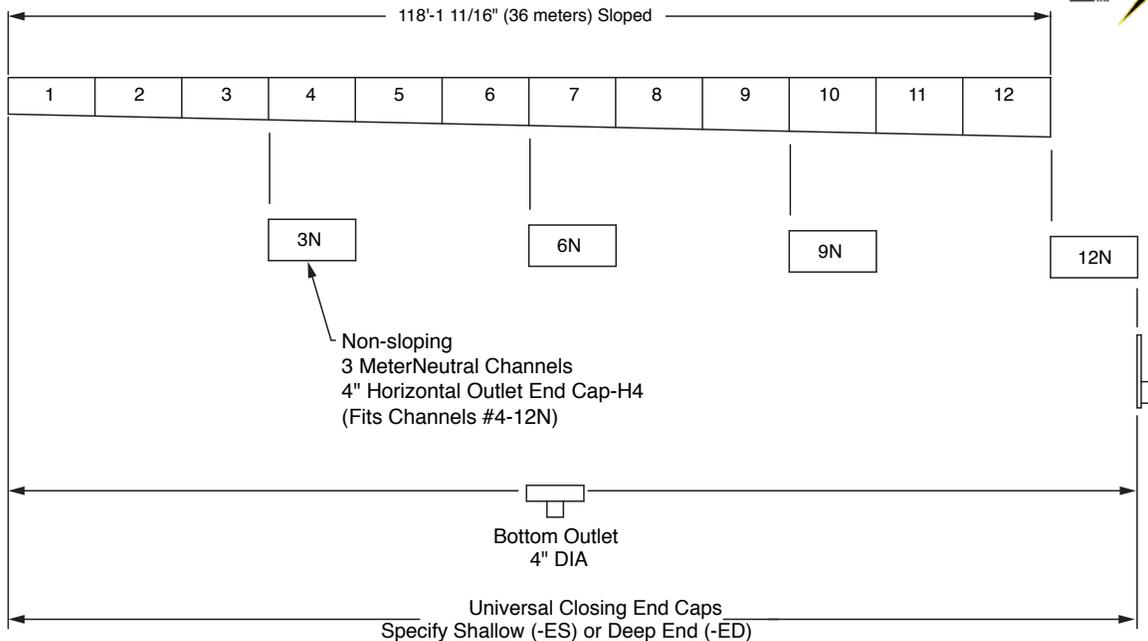




LOCATION

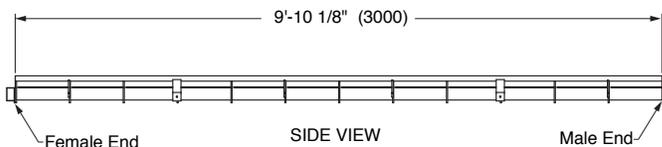
# 9940 6" WIDE ZIP TRENCH

**FUNCTION:** Used in all surface drainage applications. May be assembled in any length utilizing interlocking tongue and groove ends. This reduces installation times and cost, providing an engineered, sloped solution for drainage requirements.

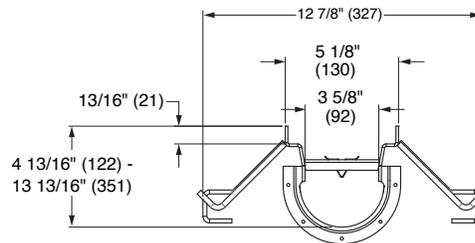


TOP VIEW

Welded Installation Device  
For Rebar Support  
(4 Per Frame)  
(Rebar Posts By Others)



SIDE VIEW



ENLARGED END VIEW

**REGULARLY FURNISHED:**

3 meter (9.84') 100% Polypropylene with UV Inhibitors and Coated Steel Frame with Channels Connect with 1 1/4" Overlap Joint. Design has a Built In Slope Of 0.6% with Radiused Bottom. Supplied with Secured Grate Per Specification.

**VARIATIONS:**

- Grate Specifications (See Back)
- Closing End Cap Shallow -ES
- Closing End Cap Deep -ED
- Horizontal Outlet 4" -H4
- 4" NO-HUB Bottom Outlet -V4

**OPTIONAL RAIL MATERIAL:**

- Galvanized Steel
- Type 304 Stainless Steel

**NOTE:** Dimensions shown in parentheses are in millimeters.

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

DRAWING NUMBER  
**S9940**

SIZE  
**A**

SCALE:  
**NONE**

DATE:  
**3-23-18**

APPROVED BY:  
**PJ**

CHECKED BY:  
**PJ**

DRAWN BY:  
**TBW**

**9940**

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT POUNDS	
------------------	--

VOLUME CUBIC FEET	
----------------------	--

FIGURE NUMBER <b>9940</b>
------------------------------



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



**ADVERTENCIA:** Cáncer y daño reproductivo - www.P65Warnings.ca.gov



LOCATION

# 9940 6" WIDE ZIP TRENCH

## HYDRAULIC CAPACITY SHALLOW / DEEP END DEPTHS 9940 SYSTEM

Channel Number	Shallow End Invert		Deep End Invert		Slope	Single Channel		Weight Lbs. Frame + Channel
	Inch	mm	Inch	mm		Est. CFS	Est. GPM	
9940-1	4.81	122	5.56	141	0.6%	.29	130	38.00
9940-2	5.56	141	6.31	160	0.6%	.31	139	39.00
9940-3	6.31	160	7.06	179	0.6%	.34	153	40.00
9940-3N	7.06	179	7.06	179	0.0%	.47	211	40.00
9940-4	7.06	179	7.81	198	0.6%	.36	162	41.00
9940-5	7.81	198	8.56	217	0.6%	.39	175	42.00
9940-6	8.56	217	9.31	236	0.6%	.42	189	44.00
9940-6N	9.31	236	9.31	236	0.0%	.47	211	44.00
9940-7	9.31	236	10.06	256	0.6%	.45	202	45.00
9940-8	10.06	256	10.81	275	0.6%	.47	211	47.00
9940-9	10.81	275	11.56	294	0.6%	.49	220	49.00
9940-9N	11.56	294	11.56	294	0.0%	.49	220	51.00
9940-10	11.56	294	12.31	313	0.6%	.53	238	51.50
9940-11	12.31	313	13.06	332	0.6%	.56	251	51.00
9940-12	13.06	332	13.81	351	0.6%	.58	261	51.00
9940-12N	13.81	351	13.81	351	0.0%	.58	261	51.00

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

**Light Duty DIN 19580 Load Class A:**  
 3500 lbs - 70 psi. For pedestrian, wheelchair and bicycle traffic.

- \*  9870-410-GP - 1/4 dia perforated galv. steel grate (28.30 sq. in.)
- \*  9870-420-G - 3 1/4 x 3/8 slotted galv. steel grate (35.20 sq. in.)
- \*  9870-451-SSPA - 1/4 dia perforated stainless steel grate (28.30 sq. in.)
- \*  9870-494-PADAB - 1 3/4 x 5/16 longitudinal slot black polypropylene grate (27.40 sq. in.)
- \*  9870-494-PADAG - 1 3/4 x 5/16 longitudinal slot gray polypropylene grate (27.40 sq. in.)

**Medium Duty DIN 19580 Load Class B:**  
 28100 lbs - 581 psi. For light vehicle traffic.

- \*  9870-447-SSADA - 13/16 x 3/16 longitudinal stainless steel slot bar grate (58.40 sq. in.)

\*Supplied with Quick-lok® securing device regularly furnished



**Heavy Duty DIN 19580 Load Class C:**  
 56,000 lbs - 1,162 psi. For commercial pneumatic tire traffic patterns, forklifts and tractor trailers.

- \*  9870-405-GM - 13/16 x 1/2 longitudinal galv. steel slot bar grate (121.10 sq. in.)
- \*  9870-411-GPHD - 1/4 dia perforated galv. steel grate (28.30 sq. in.)
- \*  9870-425-GHD- 3 1/4 x 3/8 slotted galv. steel grate (35.20 sq. in.)
- \*  9870-430-SSM - 13/16 x 1/2 longitudinal stainless steel slot bar grate (121.10 sq. in.)
- \*  9870-455-SSHD - 3 1/4 x 3/8 slotted stainless steel grate (42.60 sq. in.)
- \*  9870-465-SSP- 1/4 dia perforated stainless steel grate (28.30 sq. in.)
- \*  9870-479-MD - Mosaic pattern ductile iron grate (19.50 sq. in.)
- \*  9870-481-ID - Iron Decorative pattern ductile iron grate (19.00 sq. in.)
- \*  9870-492-RC - 1 1/2 x 13/16 slotted resin composite grate (16.30 sq. in.)

**Extra Heavy Duty, DIN 19580 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 (21.00 sq. in.)
- \*  9870-478-MADA - 1 3/4 x 5/16 longitudinal ductile iron slotted grate (14.30 sq. in.)
- \*  9870-490-SSHDE - 1 3/4 x 3/8 slotted stainless steel grate (42.60 sq. in.)

DRAWING NUMBER  
S9940BS

SIZE  
A

SCALE:  
NONE

DATE:  
7-22-14

APPROVED BY:  
JIM

CHECKED BY:  
CL

DRAWN BY:  
TBW

FIGURE NUMBER  
9940BS

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

WEIGHT POUNDS

VOLUME CUBIC FEET

FIGURE NUMBER

**9940BS**

REV.	DATE	DESCRIPTION	BY	CKD. BY



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



ADVERTENCIA: Cáncer y daño reproductivo - www.P65Warnings.ca.gov