



# 12" WIDE HIGH CAPACITY PRE-SLOPED FIBERGLASS TRENCH DRAIN SYSTEM

DRAWING NUMBER  
**a9872BS**

SIZE  
**A**

SCALE:  
**NONE**

DATE:  
**4-24-12**

APPROVED BY:  
**MD**

CHECKED BY:  
**MD**

DRAWN BY:  
**TBW**

**9872BS**

FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

Deep End Depths 9872 System			
Channel Number	Deep End Depths*		Holding Capacity (gallons)
	in .	mm	
9872-801	8.19	208	18.37
9872-802	9.31	237	22.58
9872-803	10.43	265	26.79
** 9872-803N	10.43	265	28.80
*** 9872-803N3	10.43	265	9.60
9872-804	11.56	294	31.00
9872-805	12.68	322	35.21
9872-806	13.81	351	39.42
** 9872-806N	13.81	351	41.50
*** 9872-806N3	13.81	351	13.83
9872-807	14.93	379	43.63
9872-808	16.06	408	47.84
9872-809	17.18	436	52.05
** 9872-809N	17.18	436	54.10
*** 9872-809N3	17.18	436	18.00
9872-810	18.31	465	56.26
9872-811	19.43	494	60.47
9872-812	20.56	522	64.68
** 9872-812N	20.56	522	66.76
*** 9872-812N3	20.56	522	22.25

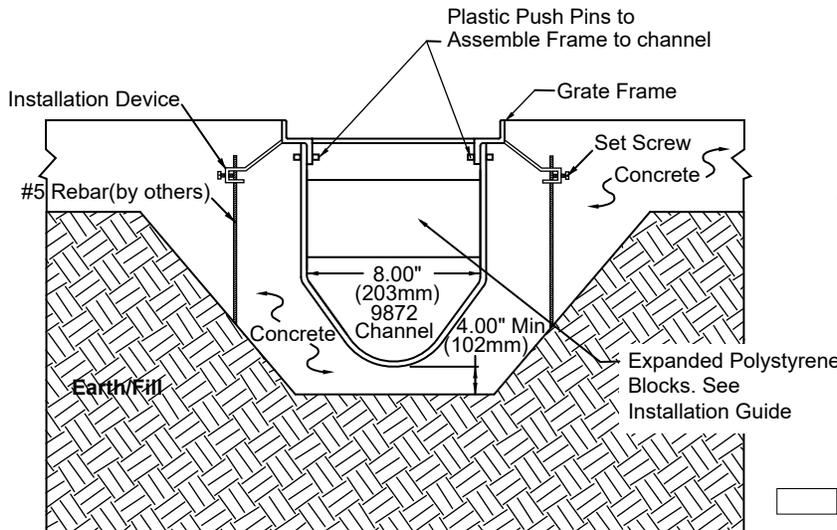
Outlet Cap Flow Rates				
Outlet Size	Channel	Invert Depth	GPM	CFS
4" Vertical	801	8.06(205)	154	0.34
4" Vertical	812	20.43(519)	246	0.54
6" Vertical	801	8.06(205)	346	0.77
6" Vertical	812	20.43(519)	553	1.23
8" Vertical	801	8.06(205)	616	1.37
8" Vertical	812	20.43(519)	982	2.18
4" Horizontal	802	9.18(233)	145	0.33
4" Horizontal	812	20.43(519)	233	0.54
6" Horizontal	803	10.31(262)	330	0.76
6" Horizontal	812	20.43(519)	510	1.17
8" Horizontal	805	12.56(319)	635	1.46
8" Horizontal	812	20.43(519)	880	2.03

Dim's in ( ) are mm.

\*\* 9' Long Neutral Channel  
 \*\*\* 3' Long Neutral Channel

\*The end depths include grate frame.

**Note:** This trench drainage system is designed for "on grade applications only", as there are no provisions for a flashing flange or flashing clamp.



**TYPICAL INSTALLATION CROSS SECTION**

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.

9872-M Slotted Ductile Iron Grate 61.25 Sq. In.



REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
		<b>9872BS</b>