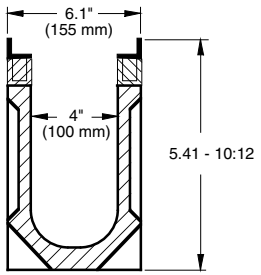
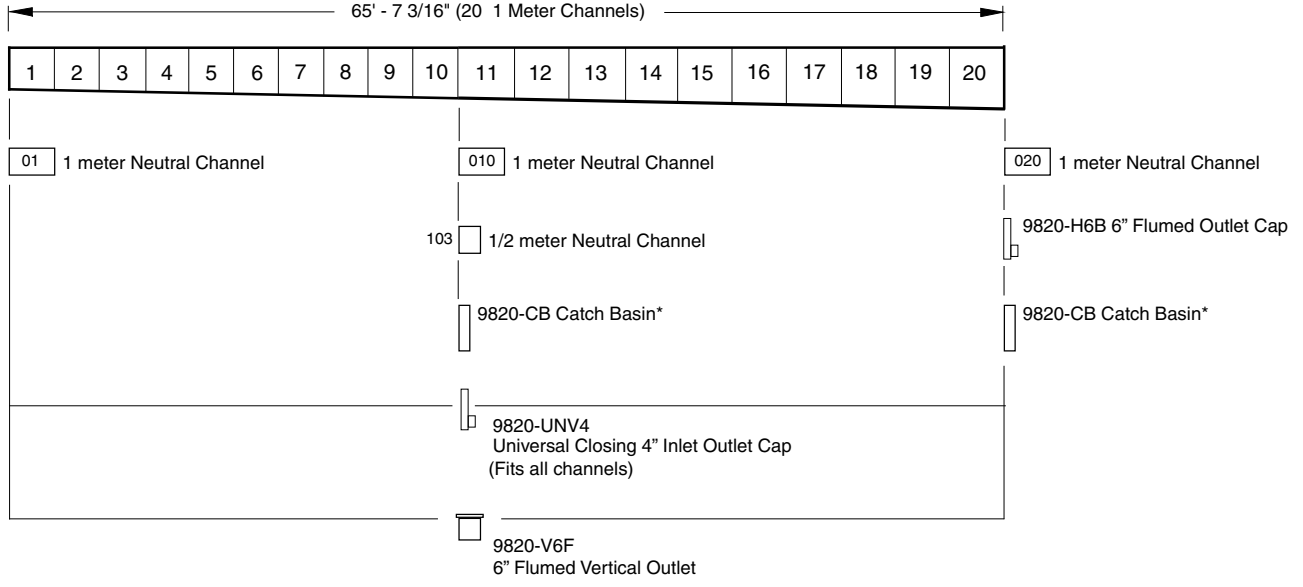


## 6" WIDE 9820 CHANNEL BRUTE DRAIN SYSTEM w/INTEGRAL DUCTILE IRON RAIL

**FUNCTION:** Used in all surface drainage applications, may be assembled in any length utilizing integral cast iron rail that allows for extra heavy duty applications, such as airports, bus depots, military bases, warehouses, service stations, and industrial plants. The channel and grate combination is rated for DIN 19580 Class F - 200,000 lbs - 4,182 psi loads and designed to withstand loads forced on by turning actions from heavy wheeled vehicles.

DRAWING NUMBER: a9820  
 SIZE: A  
 SCALE: NONE  
 DATE: 1-4-99  
 APPROVED BY: PJ  
 CHECKED BY: Pace  
 DRAWN BY: CMB  
 FIGURE NUMBER: 9820

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA  
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE



All channels provided with vertical preformed knock-out positions for 4" and 6" outlet discharge.

**\*NOTE:**  
Catch Basin length is 19.68 long (.5m)

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

**REGULARLY FURNISHED:**  
 1 Meter (3.28') Precast Polyester Concrete Channel of Interlocking Design with a Built-in Slope of .6%. Channel has an Integral Ductile Iron Rail & Radiused Bottom. Supplied with Secured Ductile Iron Slotted Grates. Grates are Secured with 8 High Strength Bolts to the Cast Iron Frame.

- VARIATIONS:**
- Universal Closing and 4" Inlet/Outlet Cap -UNV4
  - 6" Flumed Outlet Cap f/#20 -H6B
  - 6" Flumed Vertical Outlet -V6F
  - Catch Basin Only -CB
  - Catch Basin Bucket -BP
  - 9869-D Double Arrow
  - 9854 Dome Bottom Strainer -DBS (4" Bottom Outlet Only)



G F E D	11-16-11 11-23-10 9-27-07 6-15-07	Rev. Reg. Furn. Modified Layout Revised Drawing Rev. Function	TBW RN JJ RN	PJ PJ MD PJ	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER  <b>9820</b>
REV.	DATE	DESCRIPTION	BY	CKD. BY			

C



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MEMBER OF:

LOCATION

DRAWING NUMBER  
a9820BSSIZE  
ASCALE:  
NONEDATE:  
1-4-99

APPROVED BY:

CHECKED BY:

DRAWN BY:  
CMB

9820BS

FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA  
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

## 6" WIDE 9820 CHANNEL BRUTE DRAIN SYSTEM w/INTEGRAL CAST IRON RAIL

Channel Number	Deep End Depth* in.	mm	Slope	Channel Length	Weight lbs. Channel w/Grates
9820-S100-01	5.41	137.41	0.0	39.38/1m	80.7
9820-S100-1	5.65	143.51	0.6	39.38/1m	81.7
9820-S100-2	5.88	149.35	0.6	39.38/1m	82.7
9820-S100-3	6.12	155.45	0.6	39.38/1m	83.7
9820-S100-4	6.35	161.29	0.6	39.38/1m	84.7
9820-S100-5	6.59	167.39	0.6	39.38/1m	85.7
9820-S100-6	6.83	173.48	0.6	39.38/1m	86.7
9820-S100-7	7.06	179.32	0.6	39.38/1m	87.7
9820-S100-8	7.30	185.42	0.6	39.38/1m	88.7
9820-S100-9	7.54	191.52	0.6	39.38/1m	89.7
9820-S100-10	7.77	197.36	0.6	39.38/1m	90.7
9820-S100-010	7.77	197.36	0.0	39.38/1m	91.2
9820-S100-103	7.77	197.36	0.0	19.68/1/2m	46.9
9820-S100-11	8.01	203.45	0.6	39.38/1m	91.7
9820-S100-12	8.24	209.29	0.6	39.38/1m	92.7
9820-S100-13	8.48	215.39	0.6	39.38/1m	93.7
9820-S100-14	8.72	221.49	0.6	39.38/1m	94.7
9820-S100-15	8.95	227.33	0.6	39.38/1m	95.7
9820-S100-16	9.19	233.43	0.6	39.38/1m	96.7
9820-S100-17	9.43	239.52	0.6	39.38/1m	97.7
9820-S100-18	9.66	245.36	0.6	39.38/1m	98.7
9820-S100-19	9.90	251.46	0.6	39.38/1m	99.7
9820-S100-20	10.13	257.30	0.6	39.38/1m	100.7
9820-S100-020	10.13	257.30	0.0	39.38/1m	101.2

\* Subtract 1.00 (25.4) from depth to get invert depth.

C  
B  
A11-29-10  
9-28-07  
9-5-02Revised Drawing  
Revised Drawing  
Added New ACO LogoRN  
JJ  
RNPJ  
MD  
PJWEIGHT  
POUNDSVOLUME  
CUBIC FEET

FIGURE NUMBER

9820BS

REV.

DATE

DESCRIPTION

BY

CKD. BY