

TABLE OF CONTENTS

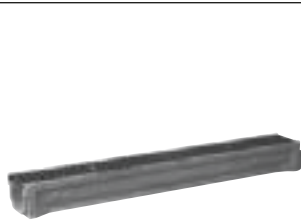
- Dead Level™ Trench Drain



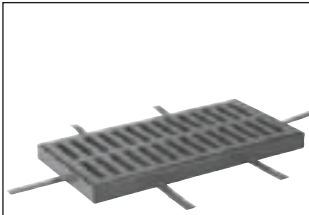
PICTORIAL INDEX



Dead Level D
6" Wide Pre-Sloped
w/Ductile Iron Frame



600 SERIES
6" Wide Polycast System



TD-910-B
12" Wide XHD Grate &
Frame



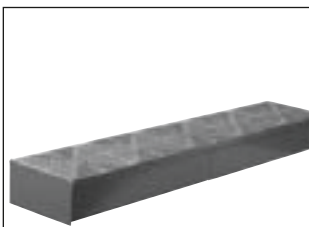
TD-940
6" Wide HD Trench Drain



Dead Level P
6" Wide Pre-Sloped w/
Ductile Polypropylene Frame



TD-900
12x12" HD Grate



TD-920
12" Wide HD Trench Drain



400 SERIES
Polycast Residential
Trench Drains



TD-900-B
12" Wide HD Grate & Frame



800 Series
12" Wide Polycast System



500 SERIES
6" Wide Polycast



TD-910
12x24" XHD Grate



DEAD LEVEL™ TRENCH DRAINS

GENERAL INFORMATION

Trench drain products provide surface drainage in a variety of indoor and outdoor applications. Watts features **Dead Level™ Pre-Sloped Trench Drain***, as well as more traditional trench drain products.

***See Watts Dead Level™ Trench Drains Catalog for complete information.**

- **Superior Materials**

Chemical resistant, UV stabilized, injection molded polypropylene channels. Standard ductile iron frames for heavy traffic, or durable polypropylene frames for light and moderate traffic.

- **Stability & Structural Strength**

Channels lock longitudinally outside of the structural frame, and cannot pinch or fold in with the concrete pour. Concentrated and dynamic loads transfer directly from the frame to the slab, protecting channels from stress and loading failure.

- **Frame Anchored Design**

Rebar anchors tie directly to the structural frame, not the channels. Straight, level installations are easily accomplished, with less risk of channel floating.

- **Solid Connections**

Flanged channel, end cap, and frame connections create proper joints and alignment, while pre-molded No Hub outlets guarantee solid connection to discharge pipes.

- **Short & Corner/Tee Sections**

1' straight and combination corner/tee sections add flexibility on uneven runs, while reducing potential field cutting operations.

- **Maximum Flow**

.7% sloped channels, with radiused bottom and smooth interior generate maximum hydraulic flow.

- **Gratings for Diverse Commercial Applications**

Ductile iron, stainless steel, galvanized, or polypropylene gratings available to meet DIN 19580 Load Classifications A through E.

- **Molded Construction Covers**

Extruded construction covers protect the grates, and keep the trench free of debris during construction.

- **Patent Pending**

GRATING AND LOAD CLASSIFICATIONS

DIN 19580 / EN 1433 Load Classifications

Load Class	Description	Load Class	Description
A	Pedestrian areas, pavements, bicycle lanes, square, yard improvements, individual construction	D	Fuel filling stations, car washes, industrial areas, transport terminals, roads and automobile enterprises.
B	Individual construction, private garages, gardens and parks, artificial landscape, private car parks.	E	Airports, highways, industrial companies, ports, fuel filling stations, transport terminals and storage terminals.
C	Pedestrian areas, waysides, parking areas, garages, car service stations, territory improvements.	F	Airport runways, industrial areas, transport terminals, structures with extreme loads on the road surface.

Spec. Code	Description	Std. Length	DIN Load Classification	Open Area	ADA Compliant	Heelproof
DI	Ductile Iron - Rust-Resistant Oil-Black	24"	Class E*	30.0%	N	N
GS	Galvanized Steel Slotted	48"	Class B	23.5%	N	N
GP	Galvanized Steel Perforated	48"	Class A	15.0%	Y	Y
SS	Stainless Steel Slotted	48"	Class B	23.5%	N	N
SP	Stainless Steel Perforated	48"	Class A	15.0%	Y	Y
RGS	Reinforced Galvanized Steel Slotted	48"	Class C	23.5%	N	N
RGP	Reinforced Galvanized Steel Perforated	48"	Class C	15.0%	Y	Y
RSS	Reinforced Stainless Steel Slotted	48"	Class C	23.5%	N	N
RSP	Reinforced Stainless Steel Perforated	48"	Class C	23.5%	Y	Y
PP	Polypropylene Composite	24"	Class B	16.5%	Y	Y

*When specified with Ductile Iron Frame



Ductile Iron



Galvanized Steel Slotted



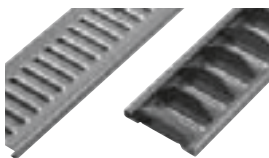
Galvanized Steel Perforated



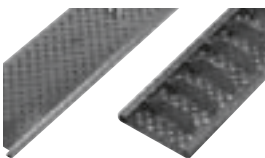
Stainless Steel Slotted



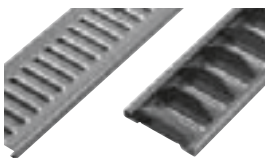
Stainless Steel Perforated



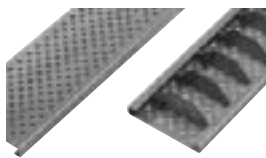
Reinforced Galvanized Steel Slotted



Reinforced Galvanized Steel Perforated



Reinforced Stainless Steel Slotted



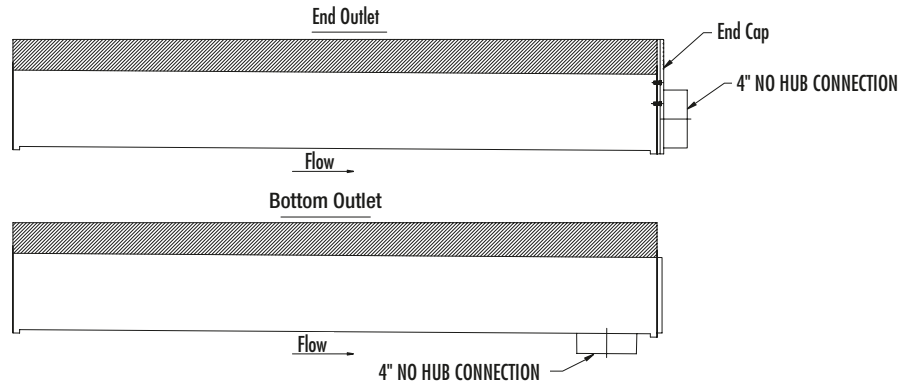
Reinforced Stainless Steel Perforated



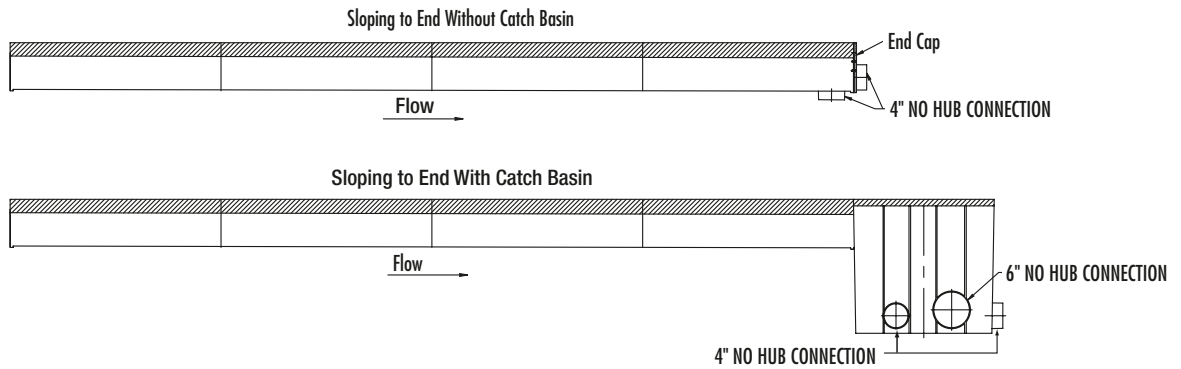
Polypropylene Composite

STANDARD CONFIGURATIONS

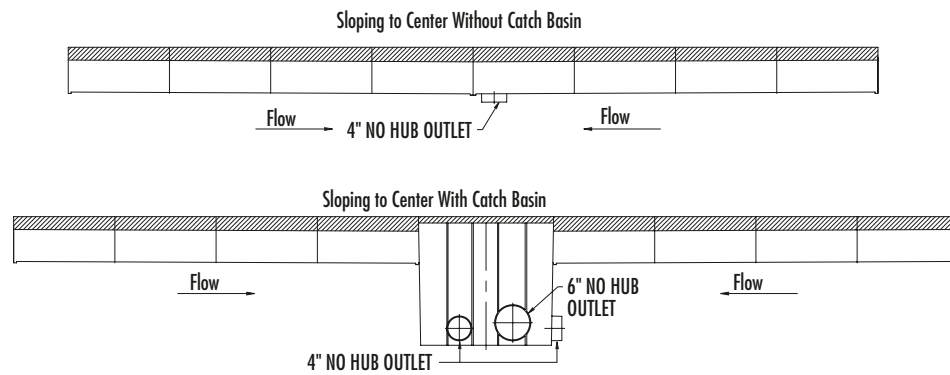
Outlet Variations



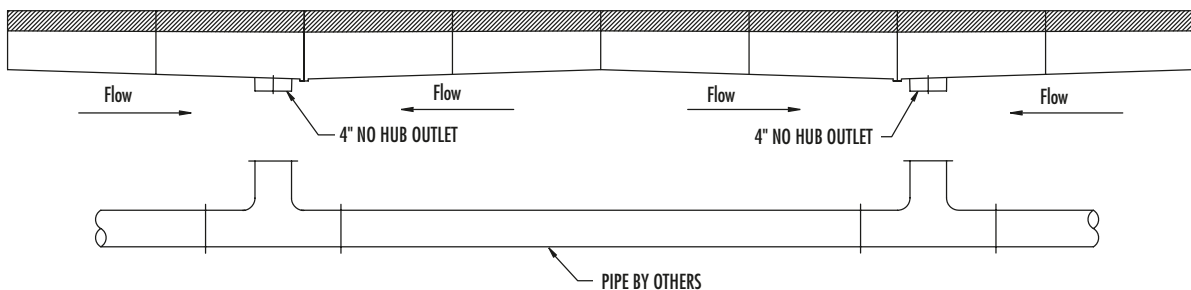
Sloping to End



Sloping to Center

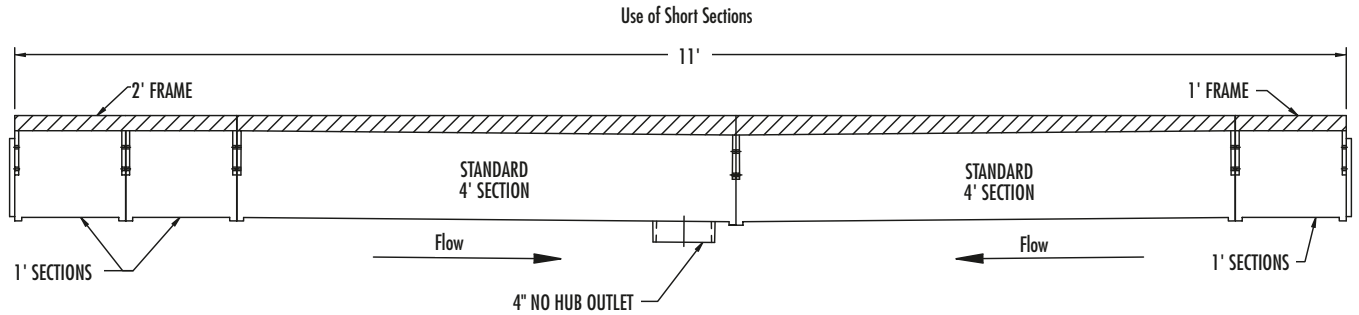


Multiple Outlets

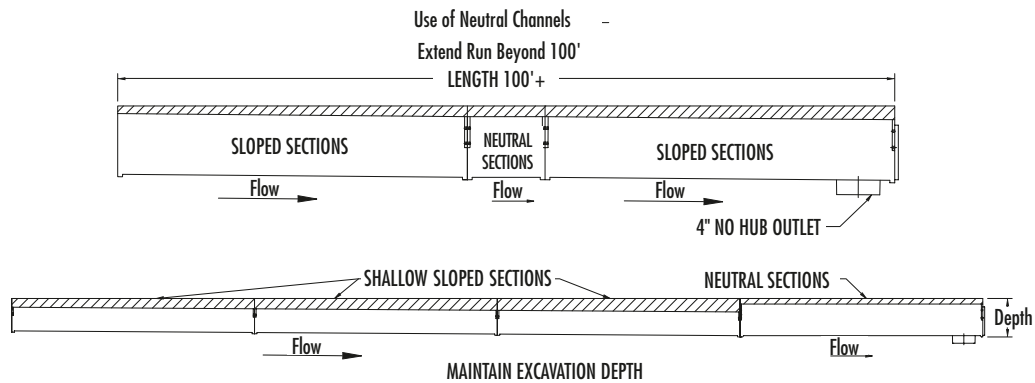


SPECIAL CONFIGURATIONS

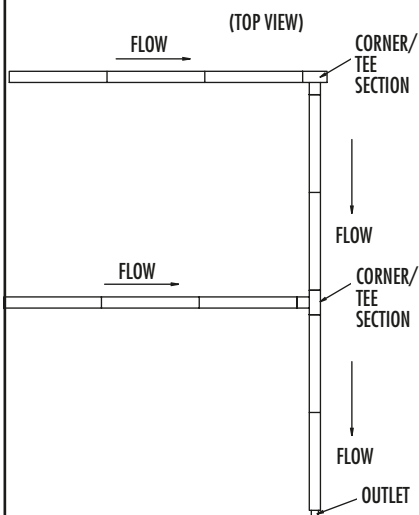
Use of Short Section



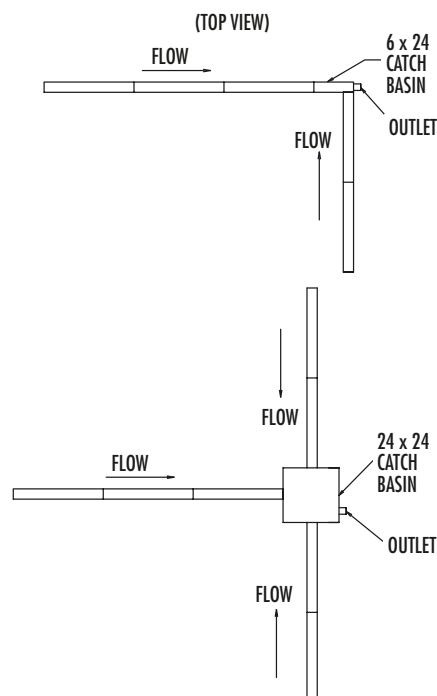
Use of Neutral Channels



Use of Corner & Tee Sections



Corner or Tee w/Catch Basin



Piped Corners and Tees

