

# Case Study

**Sheetz Gas Station**

**Chesterfield County, Virginia**



## **Z886-HHS Applications**

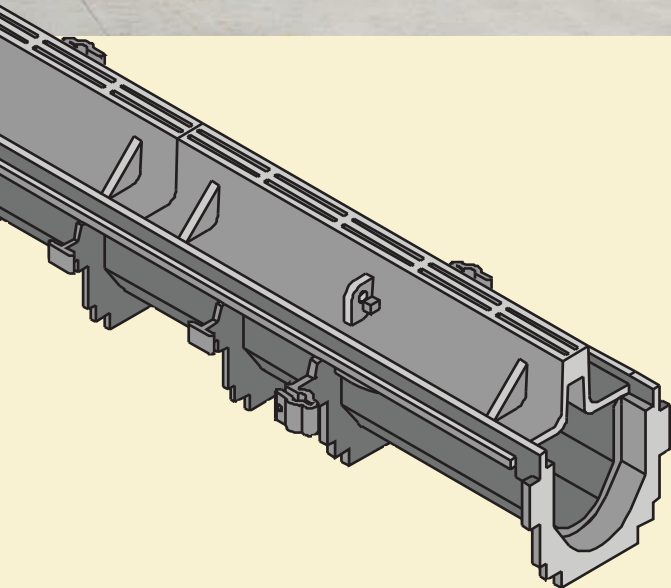
*Sidewalks*

*Patios*

*ADA Ramps*

*Highways*

*Parking Lots/Decks*



Construction of a new Chesterfield County, VA, Sheetz gas station began in the summer of 2006. Chesterfield County officials require the installation of drainage systems in gas stations for potential fuel spillage. Zurn Flo-Thru provided 120 feet of Z886 six-inch wide Perma-Trench drainage system with a H2O rate DI ADA top only 1-1/2" wide (HHS). This style of grate was specified by Sheetz to help reduce potential problems with customers crossing the drain. The six-inch outlet was tied to an Oil Water Separator. The Z886 modules were factory customized with a radius matching the Sheetz canopy. Perma-Trench catch basins installed both upstream and downstream allowed access for inspection and cleaning.

The contractor installed the Perma-Trench drainage system in one day

utilizing a suspended-drain method. The first pour locked the drain in place, then covers were set in the channel and the final monolithic pour with the slab was made.



### **ZURN PLUMBING PRODUCT GROUP**

FLO-THRU OPERATION  
2640 SOUTH WORK STREET  
FALCONER, NY, U.S.A. 14733  
PHONE: 716/665-1132  
FAX: 716/665-1135  
[www.zurn.com](http://www.zurn.com)

In Canada:

### **ZURN INDUSTRIES LIMITED**

3544 NASHUA DRIVE  
MISSISSAUGA, ONTARIO L4V 1L2  
PHONE: 905/405-8272  
FAX: 905/405-1292

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**Zurn Industries is a leader in innovative structural composite channel drain systems, with office and warehouse facilities in Falconer, New York.**