

Car Dealership Revs up New Parking Lot with NDS Filcoten Drainage Solution

Project Name: Valencia Car Dealership
Location: Valencia, CA
Segment: Small < 10 acres
Products: Channel Drains
Property Type: Office Complex
Partners: R3 Contractors; Thompson Building Materials



Challenge: New high traffic parking lot required trench drain to capture water flow from hard surface

The AutoNation Chrysler Jeep Dodge Ram dealership in Valencia, CA, strives to take care of its clients while creating an environment that is stress free. So, when it came time to repave their parking lot, they called in the experts at NDS to ensure the space had an appropriate drainage solution that could handle the foot traffic and be void of water pooling while customers perused vehicle inventory on the lot.

Solution: NDS' Filcoten Trench Drain met needs with wider design option and slotted grate

Before the parking lot and service area had been repaved, the NDS representative showed the customer different drainage options and how to properly encase the channel in concrete. Since the lot was large and required a robust trench drain to capture sheet flow from an impervious surface, the NDS Filcoten Trench Drain system was the ideal choice. More than 416 linear feet of Filcoten 300 series with a 12-inch width were required for stormwater management to meet the city's current regulatory standards.

With superior impact resistance, Filcoten Trench Drains are designed to withstand high load capacities and extensive traffic so they're perfect for factories, garages and busy parking lots. This style drain also features ductile iron grates, which helped it blend in nicely at the dealership. Filcoten is also engineered to bond better than polymer concrete products since it doesn't contain plastic resin and it becomes monolithic with surrounding concrete. This ultimately helps reduce contraction, expansion and the risk of cracking.

Impact: New lot and drainage capable of handling heavy traffic and loads

The installation process took approximately two months during the summer of 2019 and when complete, successfully moved rainwater and runoff from a very large impervious hard surface. Also able to handle heavy loads and high traffic, Filcoten is rated as a load E DIN EN1433 and exceeding H20 and HS20.

[> Filcoten brochure](#)

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