

Project Name: Monsanto Hangar Parking Lot Pavement Overlay
Project Location: Chesterfield, MO
Problem: Deteriorating Asphalt Parking Lot
Solution: New Concrete Curb & Gutter, Series of strategically placed trench drains totalling approx. 500 lf and full depth asphalt reclamation.
Contractor: Byrne & Jones Construction, Wilson Concrete

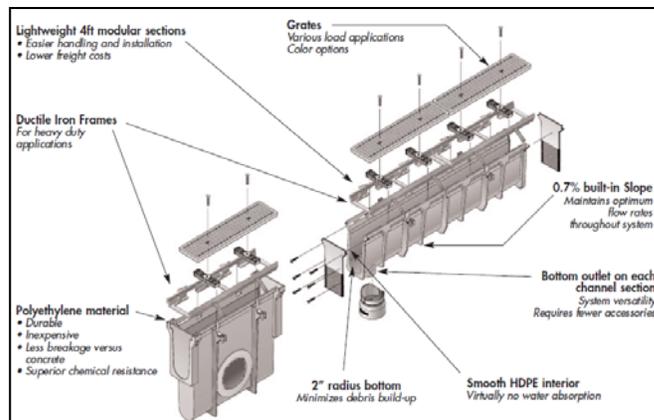
Background:

This particular parking lot was in very poor condition. To rebuild it in today's stormwater standards presented several challenges. The area is in a floodplain with a very high water table due to its close proximity to the Missouri River. Conventional stormwater design & construction methods, such as storm pipe and catch basin design could not be utilized. Even non-conventional methods, such as porous pavement(s) would not provide the required storm water detention.

Solution: John Pearson, Project Manager of Byrne & Jones Construction called Guy Litteken in our St. Louis office during the bidding phase for cost estimates on the drainage materials. After project award, Vernon Reckamp, the Project Superintendent and Guy worked through the different grade challenges that would prove most difficult for some. Vernon's knowledge and calming nature was certainly a huge asset in the project's success. He demonstrated great abilities in adapting to field conditions and creating solutions. Guy's knowledge of the available drainage products created the necessary diverse team that would create the successful solution. NDS Duraslope Trench Drains were installed in the gutter line and in the front side of adjoining parking spaces. NDS Dura-Slope can be installed on a radius without the need for field cutting. This saves time and money, and offers a clean-line appearance. In this instance, the radius was able to match the row of parking spaces. The system has been specifically designed and manufactured to ensure strength, structural integrity and durability, while incorporating excellent hydraulic characteristics and chemical resistance.

Byrne & Jones completed construction of the project; including concrete curb & gutter, stormwater drainage and utilized full depth asphalt reclamation to finish on-time and under budget.

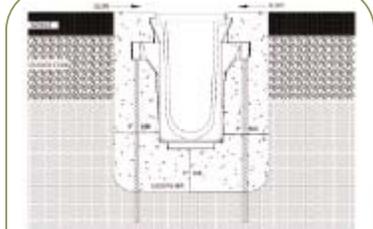
Guy Litteken, CPESC



Note the ease of installing a radius corner with Duraslope.



No special order requirements to obtain a consistent radius turn.



Duraslope is most often surrounded by 4" of 3000 psi concrete

Calendar of Events

June 26th: KSPE Annual Conference; Mayetta, KS
<http://www.kansasengineer.org>

June 26th: Iowa AMU-Flood Control Best Management and Stormwater Treatment Train, Ankeny, IA
[Click here](#)

July 8-13: LICA Summer Convention, Cleveland, OK
[Click Here](#)

August 18-22: Stormcon, Myrtle Beach, South Carolina
www.stormcon.org

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