



HYDROline Trench Drains Solve Nashville Condominium Drainage Issues

Nashville, Tennessee has become one of the fastest growing cities in the US, and development is trying to keep pace with housing demands. To that end, a large condominium complex was planned for the popular 7th Avenue corridor. As with all construction, drainage was a key factor, and the Engineers faced several design challenges. The site offered very little allowable invert depth in which to set the trench drains. Between the pavement and retention ditch elevations, there was insufficient space for a “typical” trench drain. For this reason, SIGMA quoted the HYDROline system; its unique features and advantage pricing made it an ideal fit for this project.

Todd Amerson, SIGMA National Trench Drains Project Manager, explains, “I spoke with the Engineer of Record several times to ensure complete understanding of the design parameters in order to perform an accurate assessment and make an appropriate recommendation. I also wanted to make certain that the Engineer fully grasped the features of the product. Over the course of our discussions, we created a system that placed the HYDROline channels side by side to maximize flow, and the order for the product doubled. Since HYDROline provides 1.25” of flow depth, this was a simple way to double the capacity. However, due to the advantageous pricing of this product, the end cost was still lower than the originally specified product estimates.”

Upon completion, the Engineer reported that HYDROline was the ideal solution for this application.