

CHURCHES

Kingswood United Methodist Church, Dunwoody, Georgia

Over the last 38 years, Kingswood United Methodist Church has established a rich history of growth and expansion. In order to accommodate a congregation more than 15 times its original, the Church recently made plans to add to its existing facility, including the construction of a new parking lot. Faced with land constraints and stormwater regulations, a CULTEC multi-tiered stormwater system was implemented to effectively manage run-off created by the new impervious surfaces.



Kingswood Church, located in Dunwoody, Georgia, was originally slated for a single-layer system; however, excavation efforts discovered poor soil conditions that would render the installation next to impossible. The church was built on a creek bed filled with dirt that when removed exposed water beneath. This was problematic since CULTEC stormwater systems require solid soil to properly install chambers beds and effectively manage stormwater run-off.

In addition to soil and groundwater issues, existing buildings on either side of the lot limited the amount of expansion- width capability. The decision was made to install a multi-tiered design that would accommodate the narrow piece of land. CULTEC's tiered systems are designed to allow for a smaller footprint in restricted areas without sacrificing infiltration capabilities. *(continued on back)*



Kingswood Church

“Multi-tiered systems are essentially single-layer chamber beds stacked on top of one another,” said Ted McCarter, Southeast Sales Manager for CULTEC, Inc. “The systems required a deeper dig but are solutions in areas where treatment of a certain amount of stormwater run-off is required but horizontal expansion to install a single-layer system is not an option.”



Atlanta-based Edwards & Neff Engineering specified 900 of CULTEC's Recharger® 330 HD Heavy Duty chambers that were installed in two layers (approximately 450 chambers per layer). The entire system will have the capacity to store and infiltrate more than 75,000 cubic feet of stormwater run-off

