



## Valley Park Stream Crossing

Deauville Drive, Lexington, KY  
November 2020

With citizens constantly crossing through the creek and a new sewer running under the creek, the stream crossing at Valley Park was a much needed and requested



feature for the well-used Valley Park in Lexington, KY. The crossing was created on Vaughn's Branch to make the park accessible to more citizens and to protect a sewer line crossing under the creek. This project was funded by LFUCG (Lexington Fayette Urban County Government) and designed and built by EcoGro. The project involved retrofitting the stream banks for stability, adding steppingstones/rock for the crossing, regrading, and replanting the stream buffer areas with native species.



To retrofit, the unstable fill materials from the past sewer line crossing work had to be excavated and hauled off. The stream banks were then stabilized with geotextile and a larger rock toe, regraded with a compost / topsoil blend, and covered with a coir erosion control blanket. Cut limestone block steps were placed in alignment with the buried sewer line on both banks, creating two sets of stairs. Large steppingstones were placed across the stream channel to complete the crossing. Dense grade aggregate was placed through the buffer zone to make a pathway for park users. The stream buffer was then seeded with natives and replanted with silky dogwood, sandbar willow, and button bush. With the stream banks restored, a crossing for park users, and a stream buffer in development; this feature adds to Valley Park in ways that benefit the city, the citizens, and the watershed for years to come.



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