

Project Name: University of North Carolina Estes Drive
Commuter Lot and
Friday Center Commuter Lot

Engineer: Cahill Associates, Inc.

Contractor: Barnhill and CC Mangum

**Ready Mixed Concrete
Supplier:** Ready Mixed Concrete Company

Project Location UNC, Chapel Hill, NC

Year Completed: 2002



This project is a heavily used commuter parking lot – 150 spaces @ Friday Ctr. and 75 spaces @ Estes. The pervious concrete is 5" thick, over an 18" large, clean-washed aggregate base on un-compacted sub grade. The project involved 1,500 cubic yards of pervious concrete and won the American Council of Engineering Companies (ACEC) – Grand Conceptor Award. The location undergoes on an average about 90 cycles/year. However, the climate is not a hard freeze, as the average daily temperature does not drop below freezing point very often. There is precipitation during winter so the location is considered as a wet freeze. There is very little maintenance. After two winters of above average freeze thaw cycles, the current performance is good. The mixture design is proprietary.