

Project Name: Western Carolina Retinal Associates
Engineer: McGill Associates
Contractor: Petrus UTR, Savannah, Georgia (Subcontractor)
Ready Mixed Concrete Supplier: Asheville Concrete
Project Location Regional Medical Park, Asheville, NC
Year Completed: 2002

The project is a 22,000 sf parking lot for a busy medical practice. The pervious concrete is 6" thick placed over 4"-7" of #57 stone. The location undergoes an average of 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 a wet freeze. The pavement is vacuumed quarterly, no pressure washing. The current performance is good. Mix design details were 2,445 lbs. #87 stone-washed gravel, 611 lbs. portland cement, 20+/- gal. water, 6 oz. retarder, 4% air entrainment, 12-15% voids using ASTM C140. The subgrade is sandy/clay with a slow, but passable infiltration rate. There are no truck loads on the parking lot.