



**ARUTE FIELD
Central Connecticut
State University**

New Britain, CT

Completed field



Field rough graded, geotextile fabric installed and stone drainage layer underway.

Arute Field synthetic turf design began in late February 2000 with a desired construction completion date of September, 2000, in time for the November home game of CCSU's Blue Devils. Contract Documents were completed for an April bid advertisement and a June construction start. The prime venue for the field is football with a second venue of women's lacrosse.

After materials research, the coaching staff and Architect agreed that a synthetic turf with sand-rubber infill was the most desirable surface to reduce the level and types of on-field injuries. The sand-rubber mix on a 2-1/2" synthetic grass carpet produced the closest feel to natural grass and a consistent field density. The field research resulted in selection of a new field underdrain concept that eliminated the need for cross field drain piping thus reducing the cost of the field's drainage system. The new system consists of shaping the subgrade to positive drainage toward the sideline and end zone main drains, overlaying the subgrade with geotextile fabric, a minimum of 8" of coarse stone and 2" of fine stone-sand. The synthetic grass carpet is installed directly over the stone-sand mix. The grass is then infilled with recycled rubber shavings mixed with fine sand. The resultant surface produces a free draining system, the look and feel of natural grass and the safety of a consistent energy absorbent finish.



**ARUTE FIELD STADIUM for CT State BLUE DEVIL'S
CENTRAL CONNECTICUT STATE UNIVERSITY
New Britain, CT**

Stone-sand layer complete, synthetic turf installation now can begin.