100-year design storm, the entire site will be flooded as designated by the flood zone "X" as described previously in this report.

PROPOSED SITE CONDITIONS AND DRAINAGE PATTERN

The proposed drainage pattern is the same as the existing pattern. To ensure that the water drains from the east side of the new building, a concrete valley gutter will gather the runoff at the southeast corner of the building and carry it west to the edge of the sports field. Since the new building essentially replaces the portable classrooms that had been in the same location, the impervious area has increased by a relatively small area. The runoff rate will increase by only 0.06 cfs/acre. Because the change is so small, there is no need for any changes to the current drainage pattern. Since the entire site is in a flood zone, the finished floor elevation has been set about 1.5 feet above the existing grade in an effort to be above the flood water in a 100-year storm event.

HYDROLOGY/HYDRAULICS

The runoff calculations and design have been done in accordance with Section 22.2 of the Development Process Manual of the City of Albuquerque, January 1993.

RUNOFF COMPARISON

Basin	Undeveloped - CFS	Developed - CFS
A	13.22	13.28
TOTAL ONSITE	***13.22***	***13.28***