PROJECT: Brewer Fieldhouse and Natatorium

OWNER: University of Missouri-Columbia

CHALLENGE: McClure conducted a preliminary study of the existing facility that revealed lack of space, dated amenities and poor quality of air-conditioning. A project feasibility study led to a renovation and new construction project. We could not interrupt access to the current facility during construction, so the project was constructed in phases to minimize potential downtime.

CONSTRUCTION COST: $40 million, renovation and new addition

BUILDING SIZE: 293,000 sq ft

SCOPE: The schematic design for construction, renovation and addition to the existing student athletic and fitness center included: two new natatoriums; 50 meter competition pool and diving complex, with spectator seating; indoor and outdoor leisure pool areas, with a themed water park; locker rooms; cardio-fitness area; 42-foot climbing and bouldering wall; racquetball and squash courts; performance studios; and meeting rooms. The project also included the renovation of the existing fieldhouses, weight training areas, and offices, air conditioning of the renovated facility, and a 2,000 ton chilled water plant.

APPROACH: Due to the owner’s desire for minimal downtime for the existing facility, McClure’s planning and foresight was essential to the development of a feasible plan for phasing the construction work. Special attention had to be paid to the routing of all utilities in the early phases, so that there would be no re-working of the utilities during the later phases. Temporary utility services also needed to be established in areas where demolition was going to affect the utilities to the existing facility. McClure was also able to eliminate antiquated building systems during the project, which provided the owner with additional benefits in reduced maintenance costs for maintaining old equipment.

COMPLETION: 2005