

E90 Topic Memo

Kelly Siano

Swarthmore College

Department of Engineering

Submitted September 29, 2006

The goal of my E90 project is to design and plan for the construction of a new field and practice facility for the Swarthmore College softball team in accordance with the College Facilities Department's actual plans for such a project. The actual construction would take place when the college builds an Inn on the site of the present softball facility; the proposed site for the new softball field is on the Cunningham practice and intramural fields.

The primary objective would be to design a facility that met the needs of the athletic department and softball team while staying within the budget and regulations established by the College Facilities Department. The design process would include a complete geotechnical survey of the proposed site; an analysis of water drainage and storage; and a structural design for dugouts and spectator seating. In addition, the final design would fit into the College's architectural style and green-friendly philosophy.