Integrated Planning

- Where We Are...
- Where We Are Going...
- Using Integrated Planning To Get There...

Integrated Planning

Georgia Tech Space Needs

Based on Facilities Study

- GT's Average Square Footage / Faculty is 15% Below that of our Peers (50% Below in Computing)
- To Correct Existing Deficiencies:
  - 1 Million Gross Square Feet
  - Estimated Cost $207 Million
- To Meet Projected Requirements Regarding Enrollment Growth and Program Initiatives:
  - 714,000 Gross Square Feet
  - Estimated Cost $142 Million

Major Capital Plans

- Environmental Science & Technology Building
- Advanced Computing Technology Building
- Undergraduate Learning Center
- Student Recreation Center II
- Molecular/Materials Science & Engineering Building
- Executive / Continuing Education Conference Center
- Boggs Undergraduate Lab Renovation
- Bunger-Henry Building Renovation

Integrated Planning Example I
The BEM Complex

- Bioengineering and Biosciences
- Environmental Science & Technology
- Molecular and Materials Sciences and Engineering

The BEM Vision...

"An extensive and comprehensive strategic planning exercise has been undertaken at Georgia Tech to identify areas where unique institutional strengths best correspond to external opportunities…nowhere is that juncture more obvious and compelling than those frontiers where engineering, computing and science intersect to define the interdisciplinary areas of biotechnology, environmental/sustainable technologies, and materials/molecular sciences and engineering."

BEM Strategic Planning

- Strong Future Potential in Fields Blending Engineering, Computing and Science
- Use Strengths in Engineering to Elevate and Shape Sciences
- Enhance Innovative Interdisciplinary Strengths and Industry Linkages
- Support Collaborations with Emory and Other Universities
- Planned as an Integrated Complex
- Utilize Multiple Funding Sources

Rendering of the BEM Complex

BEM Specifics...

- 10-Acre Site
- 200 Total Faculty
- 630,000 Square Feet of Lab, Office and Support Space
- Space for Research Centers
- Space for Business Incubators
- Innovative Classrooms & Labs

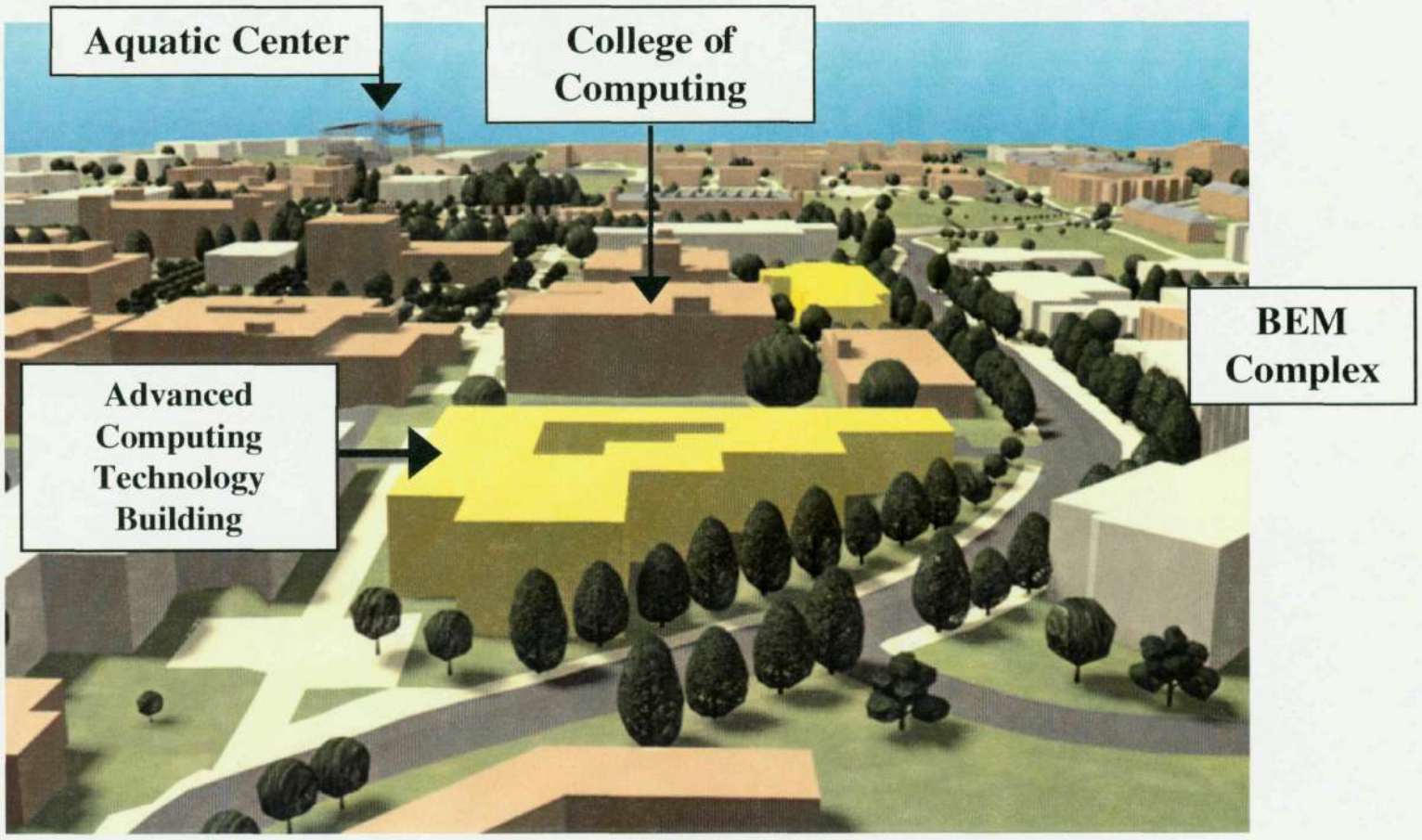
BEM Specifics...

- **Bioengineering & Biosciences**
  - * 140,000 Square Feet
  - * Cost: $30 Million
- **Biomedical Engineering**
  - * 50,000 Square Feet
  - * Cost: $12 Million
- **Environmental Science & Technology**
  - * 260,000 Square Feet
  - * Cost: $57 Million
- **Molecular/Materials Sciences & Engineering**
  - * 180,000 Square Feet
  - * Cost: $40 Million

Programs on the BEM Site

- Biology
- Bioengineering/Biomedical/Biosciences
- Chemical Engineering
- Chemistry & Biochemistry
- Computing
- Environmental Engineering
- Earth & Atmospheric Sciences
- Materials Science & Engineering
- Physics
- Public Policy

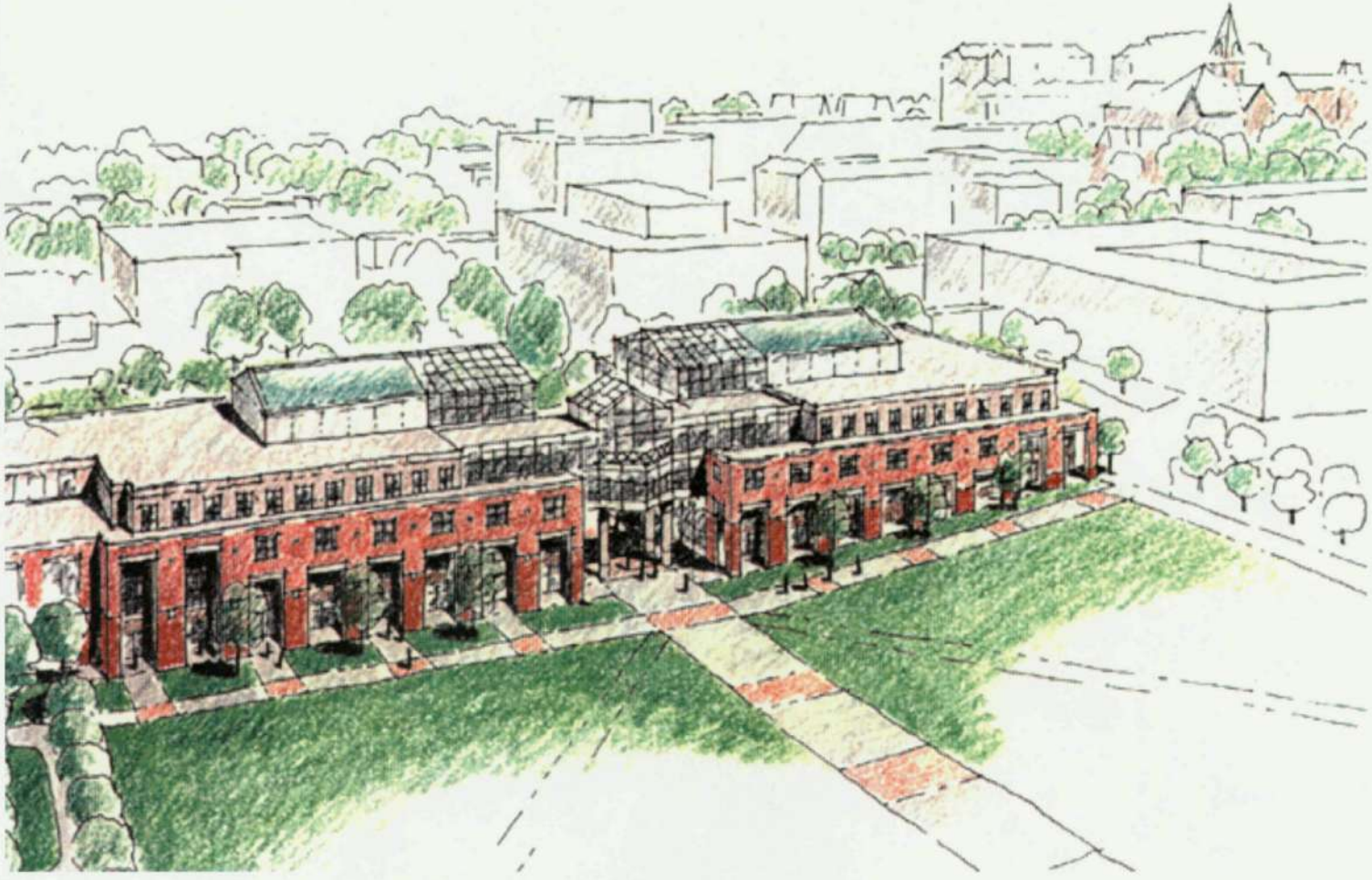
Integrated Planning Example II
Advanced Computing Technology Building



Advanced Computing Technology Building
Specifics

- Estimated Cost: $40 Million
- Funding Sources: $32 M State / $8 M Donor
- 170,000 Square Feet
- Meets Existing & Projected Enrollment Needs
- Consolidates and Expands Programs
- Provides Innovative Teaching & Research Space
- Enhances Integration of Academic Disciplines
- Supports Economic Development

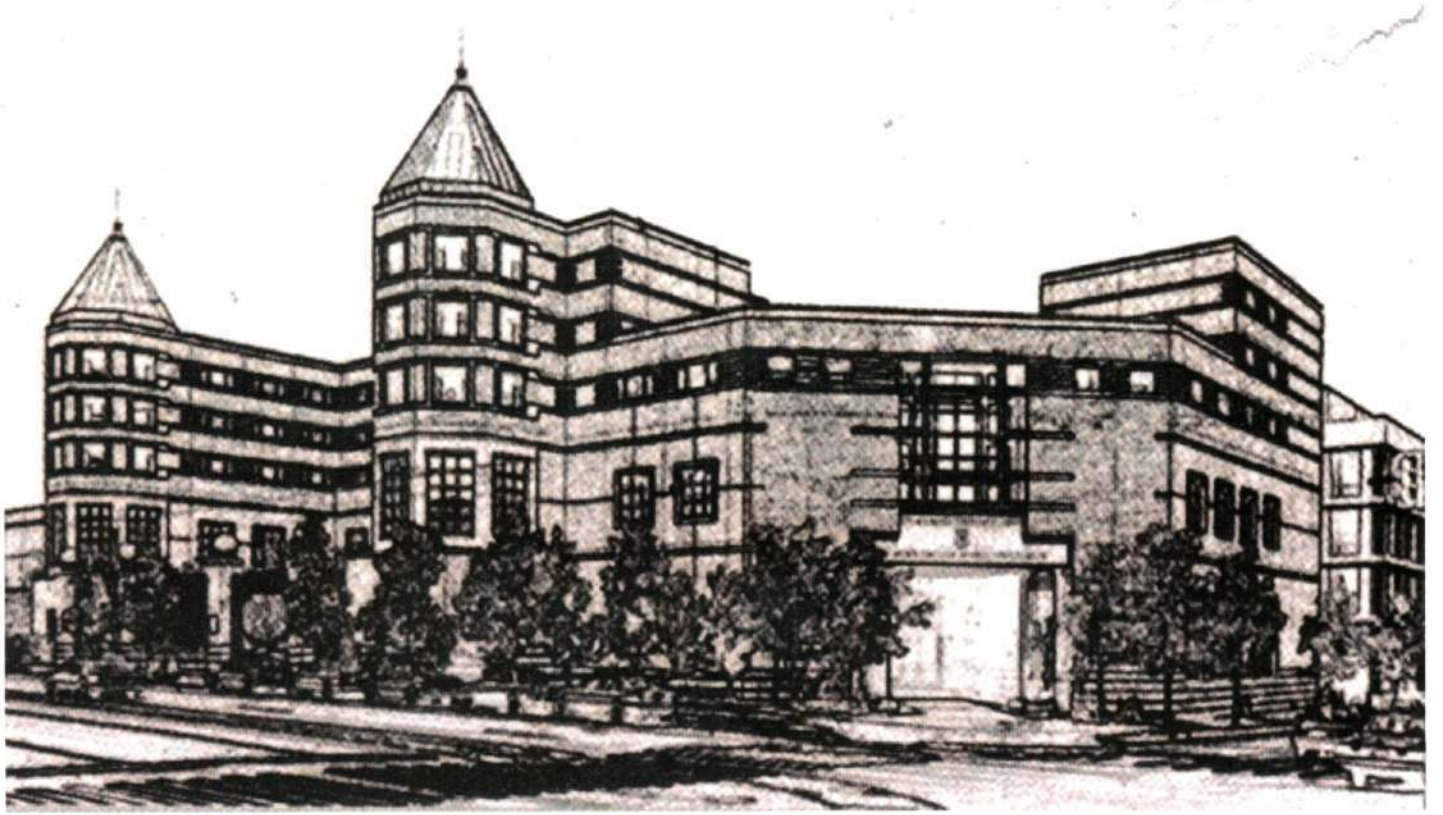
Integrated Planning Example III
Undergraduate Learning Center



Undergraduate Learning Center Specifics

- Expected Cost : $44 Million
- Funding Sources: $36 M State / $8 M Donor
- 225,000 Square Feet
- Creates a Comprehensive Learning Environment
- Blends Formal Academic Study and Campus Life
- Innovative Use of High Tech Classrooms

Integrated Planning Example IV
Executive / Continuing Education Center

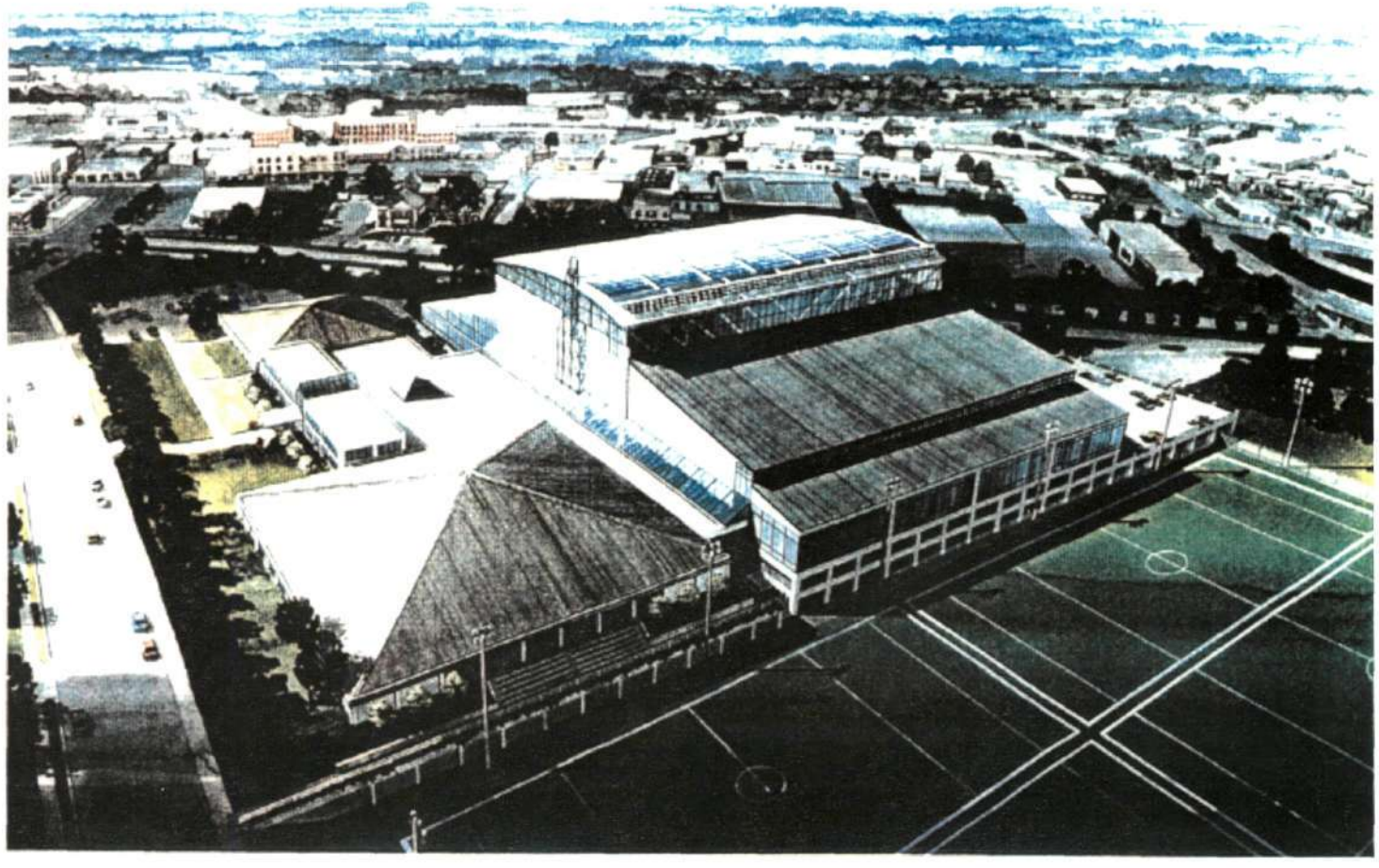


Wharton Executive Education Programs at the Steinberg Conference Center
University of Pennsylvania

Executive/Continuing Education Center Specifics

- Expected Cost : $40 Million
- Funding Sources: $29 M State / $11 M Payback
- Meet Rapid Growth in Demand for Continuing Education
- Use Advanced Technologies to Enhance Distance Learning
- Provide DuPree College with First Class Facilities for Executive Education
- Consider Joint Development with Hotel Operator

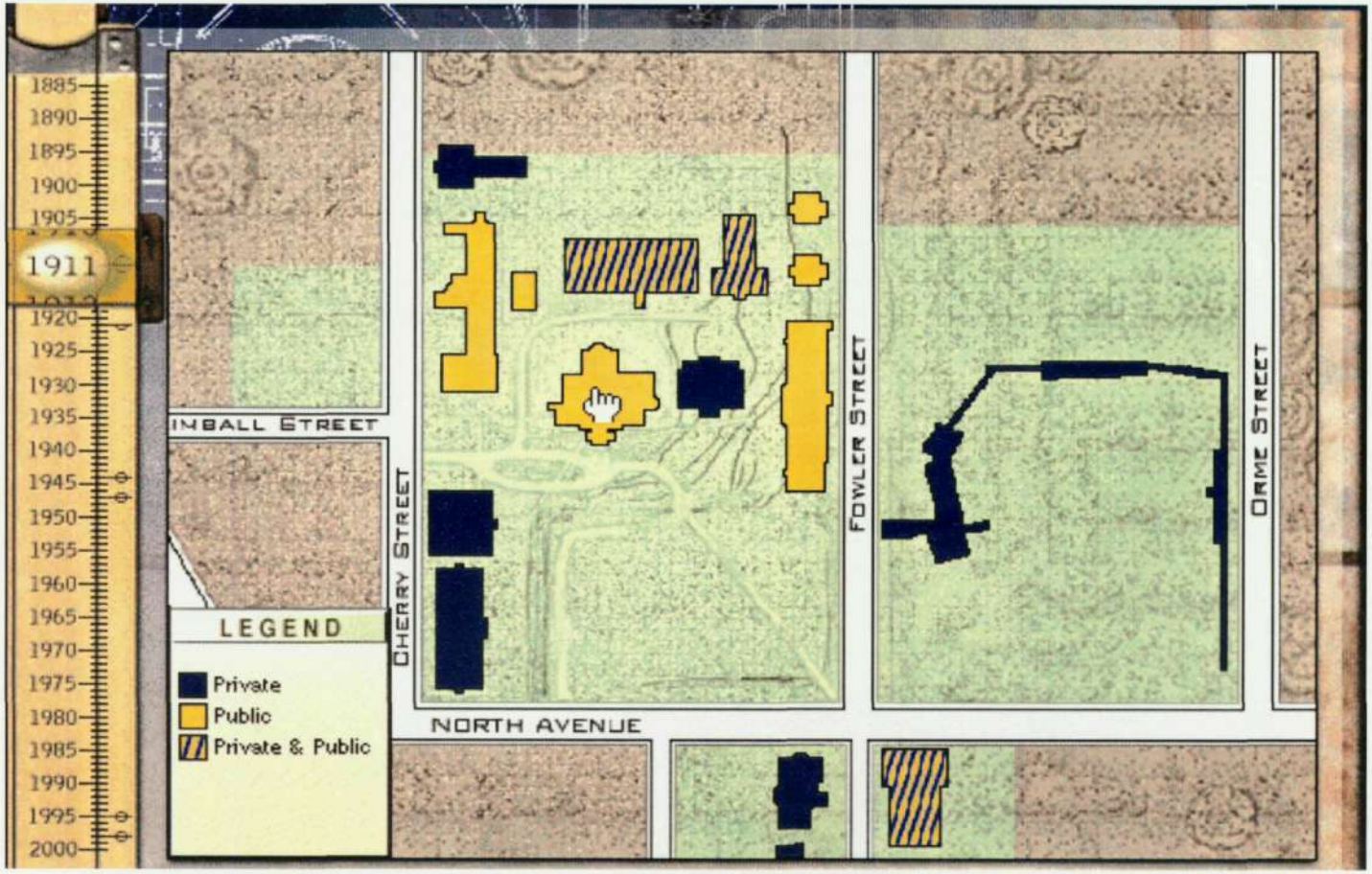
Integrated Planning Example V
Student Recreation Center II



Student Recreation Center II Specifics

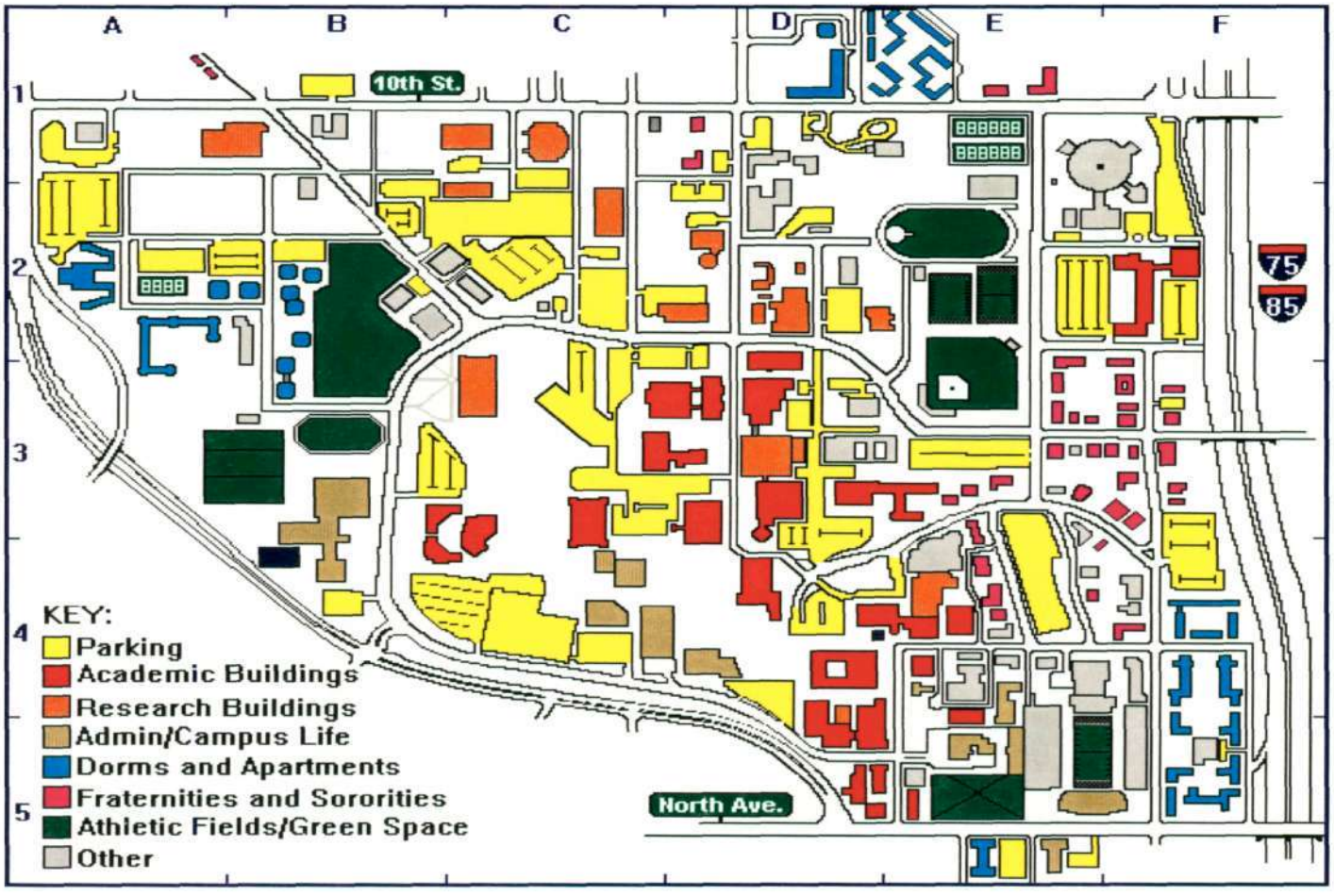
- Estimated Cost: $ 39 Million
- Funding Sources: $10 M Donor / $29 M Payback
- 327,000 Square Feet of Classroom, Recreation and Office Space
- Expand Student Recreation
- Unify Aquatic Center and SAC as One Facility
- Ability to Host NCAA and Other Swimming Championships
- Enhance HPS Facilities

Georgia Tech
The Past...



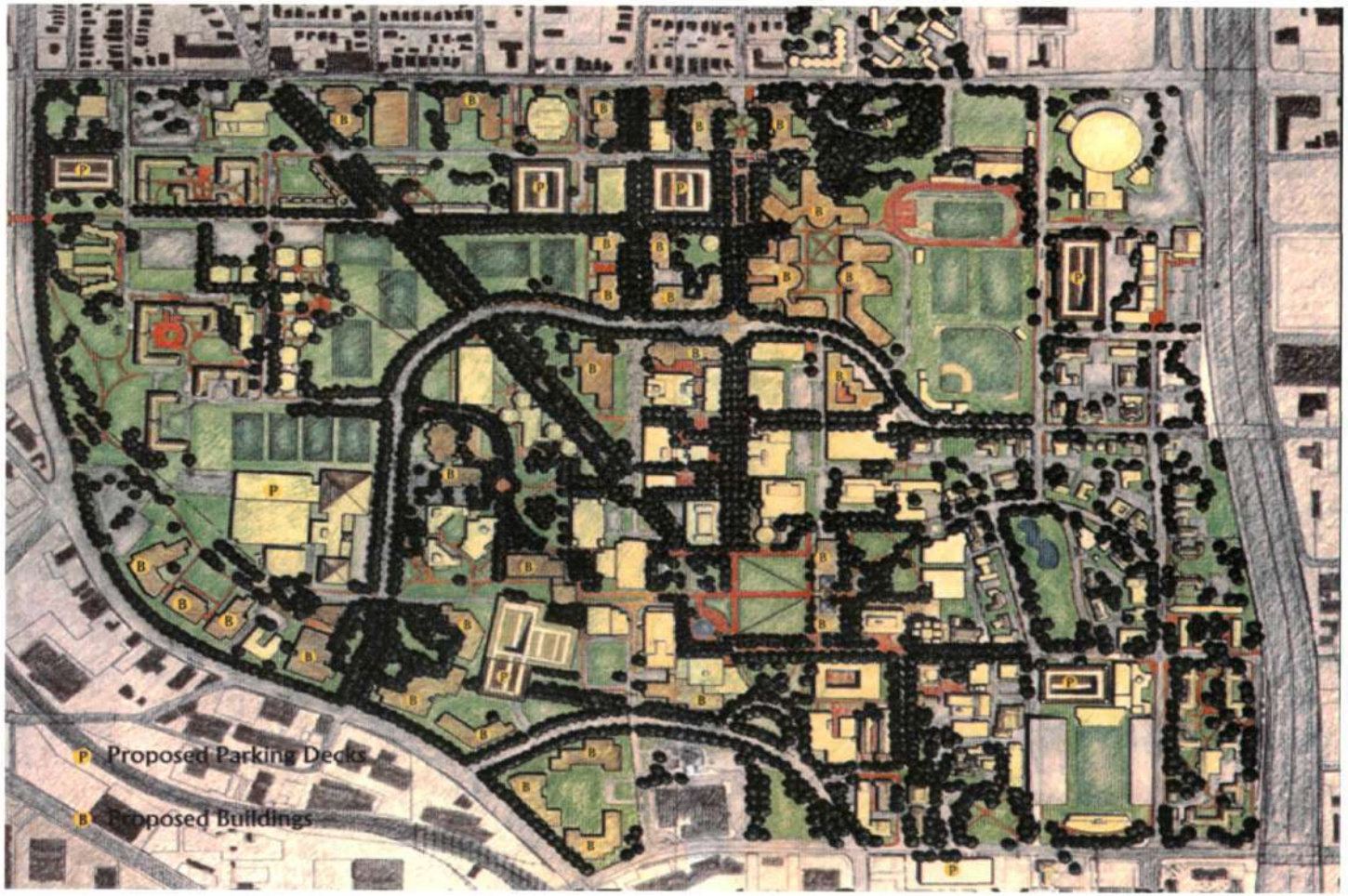
Circa. 1911

Georgia Tech Today...



Circa. 1998

Georgia Tech
The Future...



Circa. 2010