

#### THE UNIVERSITY OF MICHIGAN

OFFICE OF THE PRESIDENT

2074 FLEMING ADMINISTRATION BUILDING ANN ARBOR, MICHIGAN 48109-1340

September 1996

#### Dear Colleague:

This report presents highlights of some of the building and remodeling that has occurred on the campuses of the University of Michigan over the past decade. One of the greatest challenges that the University faced during the 1980s was the need to address the alarming deterioration and aging of our campus. A \$1.5 billion effort to rebuild, renovate, and update our buildings was initiated. This program was initiated under the leadership of Executive Vice President Farris W. Womack and directed by Paul Spradlin. Its tremendous success is due to the vision, commitment, and hard work of many individuals at the University. I am delighted to have the opportunity that this booklet provides to acknowledge and pay tribute to these dedicated people.

Not only have older buildings been renovated and new built, but we have been equipped through information technology; state-of-the art research facilities; and flexible, innovative teaching space to better serve society and to adapt to and take advantage of the changes and challenges that the future will bring. We can all take great pride in the University of Michigan's campus today.

Sincerely,

James J. Duderstadt President Emeritus ~

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THE UNIVERSITY OF MICHIGAN has experienced an unprecedented period of building and renewal over the past decade. This massive campus renascence was made possible by a combination of State of Michigan support for capital improvements; gifts and grants; UM funds including contributions from the University's auxiliary units; student fees; and the vision, commitment, and effective planning of the people involved in this critical program.

This formidable project was directed by Paul Spradlin and managed by Jack Janveja, Tom Schlaff, Richard Glissman (now retired), and Doug Hanna. They and their staffs are all to be commended for their tireless efforts and unfailing dedication.

Our seriously deteriorating physical plant was one of the great challenges faced by the University in the 1980s. Many of our buildings are fifty to seventy-five years old. The heating systems were antiquated, the windows drafty, and the teaching and laboratory facilities were outdated. The severe budget problems of the 1980s had resulted in deferred maintenance, which also took a serious toll on our infrastructure.

Growth and advances in pedagogy, research, technology, and our public service mission had left us woefully in need of state-of-the-art facilities to meet the needs of our students, faculty, and staff.

The \$1.5 billion program to rebuild, renovate, and update our campus was mounted in 1985, and it is still in progress. The new construction on Central Campus began with the Chemistry Building, completed in 1991, and includes the Randall Laboratory, the Shapiro Undergraduate Library, the Angell-Haven connector, and additions to the School of Business Administration complex.

The Medical Campus has been almost completely renewed; with the Cancer & Geriatrics Center, and the Primary Care Building, in the final stages of completion.

There has been major new construction on the North Campus, including the Francois-Xavier Bagnoud Building; the Dow-G. G. Brown Connector; the Lurie Engineering Center; the Lurie Bell Tower; and the Media Union, which provides scholars and students with the tools, technology, and space for collaborative, creative, interdisciplinary work. Massive landscaping and beautification efforts are also taking place on North Campus.

A few of the many changes to the face of South Campus include Schembechler Hall, the Donald B. Canham Natatorium, the Institute of Continuing Legal Education, and the Weidenbach Administration Building. We have also acquired the Wolverine Tower and are in the process of remodeling it to fit our needs. The UM Football Stadium is undergoing much-needed remodeling, which will alter the face of that section of our campus.

Some important facilities still under construction or renovation are the new School of Social Work, the Tennis Facility, the Visitors Center, the Angell-Haven Hall connector, the C. C. Little Building and the Angell Hall renovation.

The construction and renovation program has also included substantial efforts to improve the safety and appearance of the campus. Increased lighting, new plantings, and landscaping have beautified the campus. The master plan includes landscaping, gardens, and courtyards to complement new construction.

The University of Michigan has been in the forefront in updating its campus, and I believe we can face the coming challenges in higher education confident that we will be working from a firm foundation of cutting-edge teaching, research, and technological facilities.

Farris Womack
Executive Vice President and
Chief Financial Officer

#### **Table of Contents**

- 2 Central Campus
- 10 Medical Campus
- 15 North Campus
- 20 South Campus
- 25 UM Dearborn, UM Flint
- 27 Appendix





Angell Hall - Haven Hall Connector

June 1996

Architect: Albert Kahn Associates Contractor: Walbridge Aldinger Company

Cost: \$7,894,500



# **Business Administration Executive Education Addition**

Completion Date:

Architect: Luckenbach/Ziegelman Contractor: (in fund raising phase)

Budget: \$20,000,000

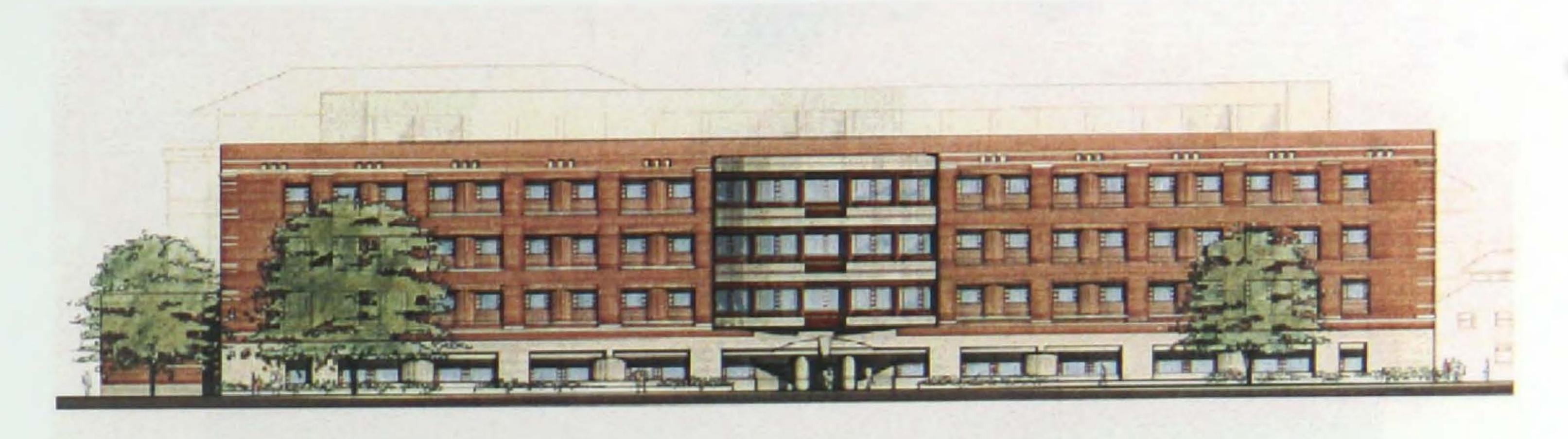


**Business Administration Executive Dormitory** 

November 1986

Architect: Luckenbach/Ziegelman & Partners Contractor: Freeman-Darling Construction

Cost: \$5,849,713



### Randall Laboratory

Addition September 1995

Architect: Luckenbach/Ziegelman Contractor: Ellis-Don Michigan

Cost: \$22,400,000





#### Shapiro Undergraduate Library

Renovation & Addition

April 1995

Architect: Albert Kahn Associates

Contractor: Spence Brothers Budget: \$11,050,000



#### School of Social Work

July 1997

Architect: Sims-Varner Associates Contractor: Ellis-Don Michigan

Budget: \$25,000,000



Angell Hall

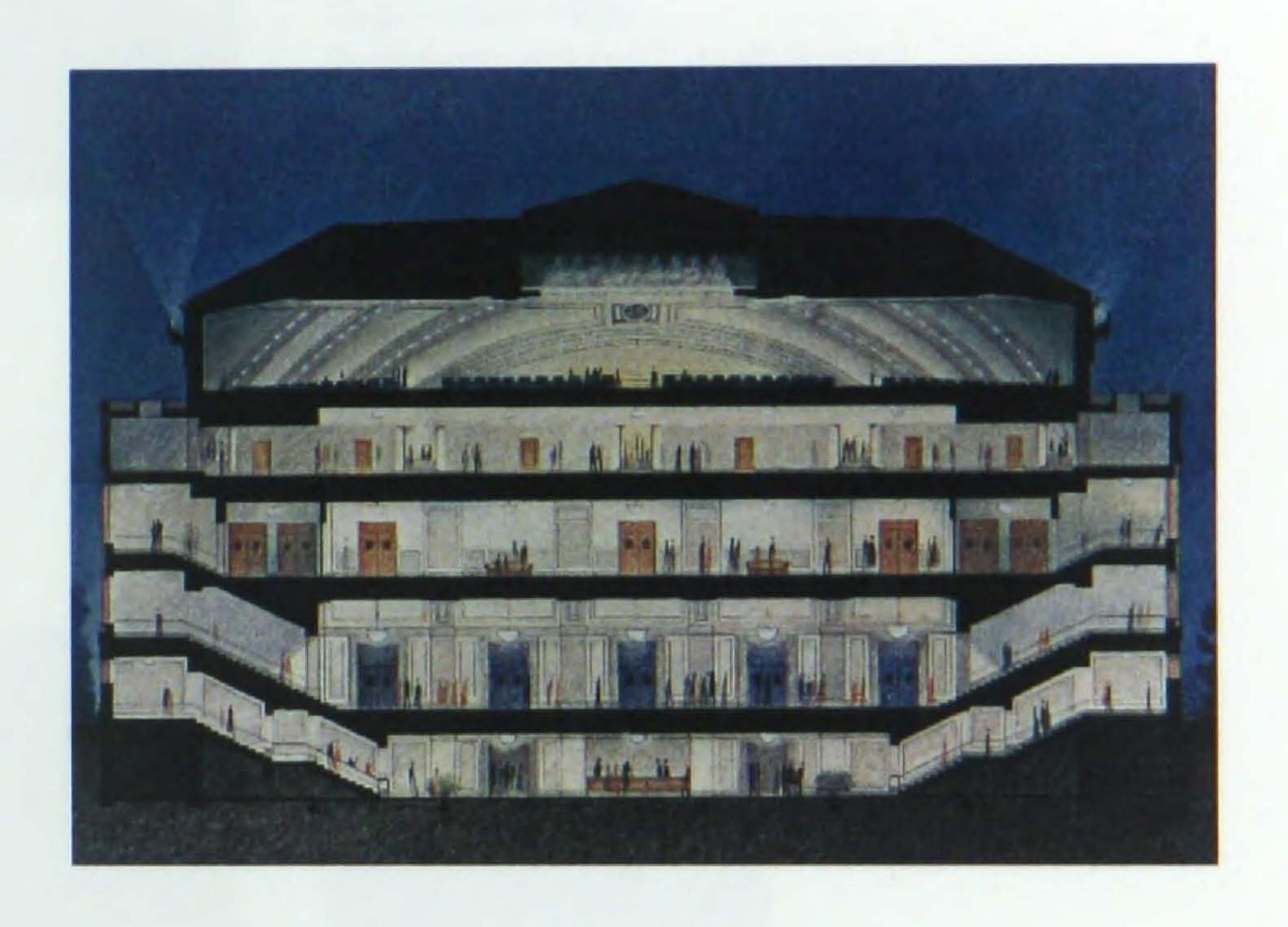
Renovation November 1996

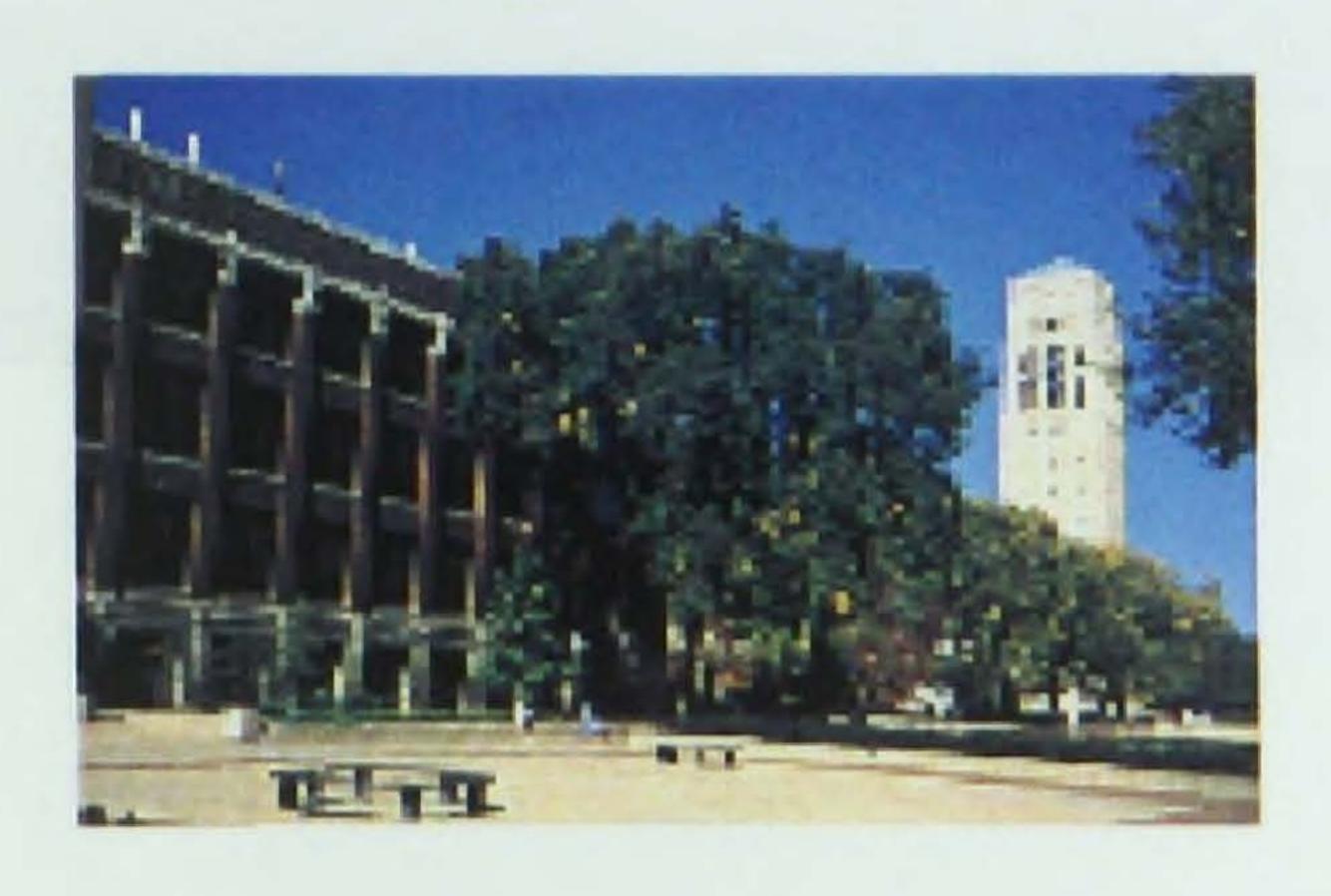
Architect: Albert Kahn Associates Contractor: Walbridge Aldinger Company

Budget: \$16,000,000



Angell Hall - Mason Hall
Courtyard Computer Facility Addition
October 1990
Architect: Sims-Varner & Associates
Contractor: TAI Construction Management
Cost: \$3,872,453





Edward Henry Kraus Building
Old Renovation Project
December 1991
(several separate projects)
Cost: \$12,449,779

Hill Auditorium

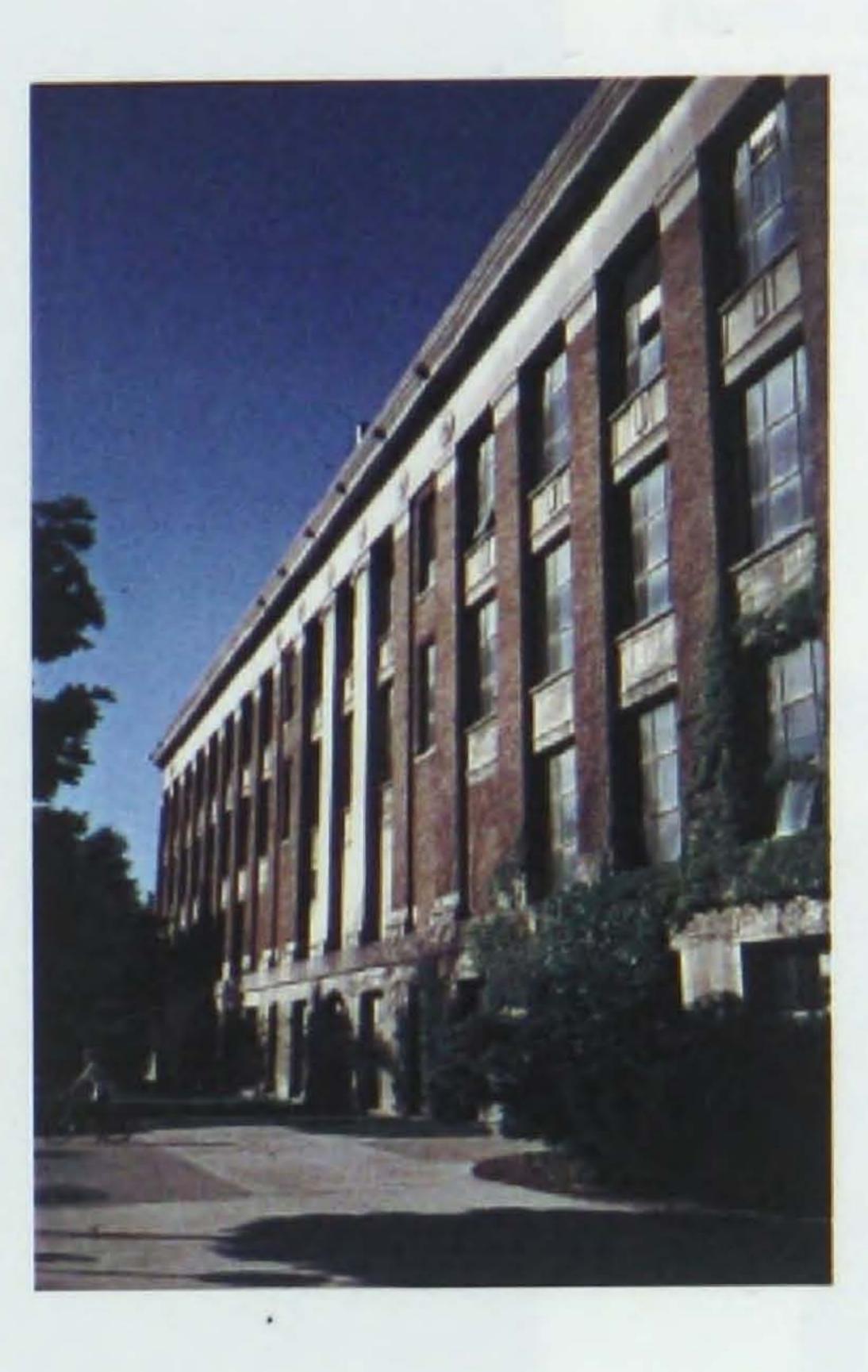
Renovation & Addition

Completion Date:

Architect: Albert Kahn & Quinn/Evans

Contractor:

Budget: \$20 - \$30 million



C C Little

Renovation

August 1996

Architect: Jickling Lyman Powell

Contractor: Ellis-Don Michigan

Budget: \$16,500,000

C C Little

Pharmacy Renovation

September 1996

Architect: Jickling Lyman Powell

Contractor: Ellis-Don Michigan

Budget: \$5,350,000





Chemistry Building

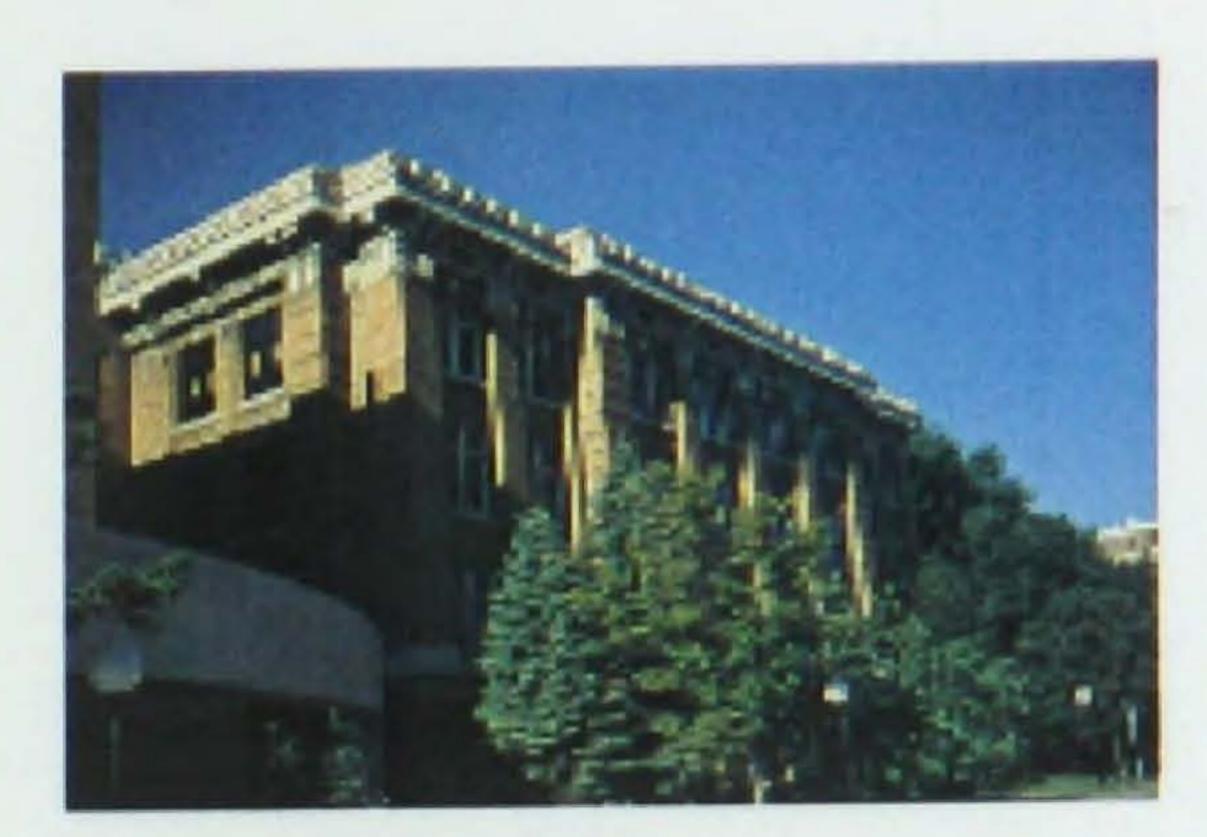
Addition 4 - Willard Dow Laboratory

July 1991

Architect: Harley Ellington Pierce Yee Associates

Contractor: Mellon Stuart Company

Cost: \$44,939,099



Chemistry Building
Renovations to 1908/1948 Buildings

July 1993
Architect: Harley Ellington Pierce Yee Associates
Contractor: Turner Construction

Cost: \$19,682,694



East Engineering Building
Renovation
July 1996
Architect: Louis Redstone
Contractor: Ellis-Don Michigan
Budget: \$28,590,000



Health Service

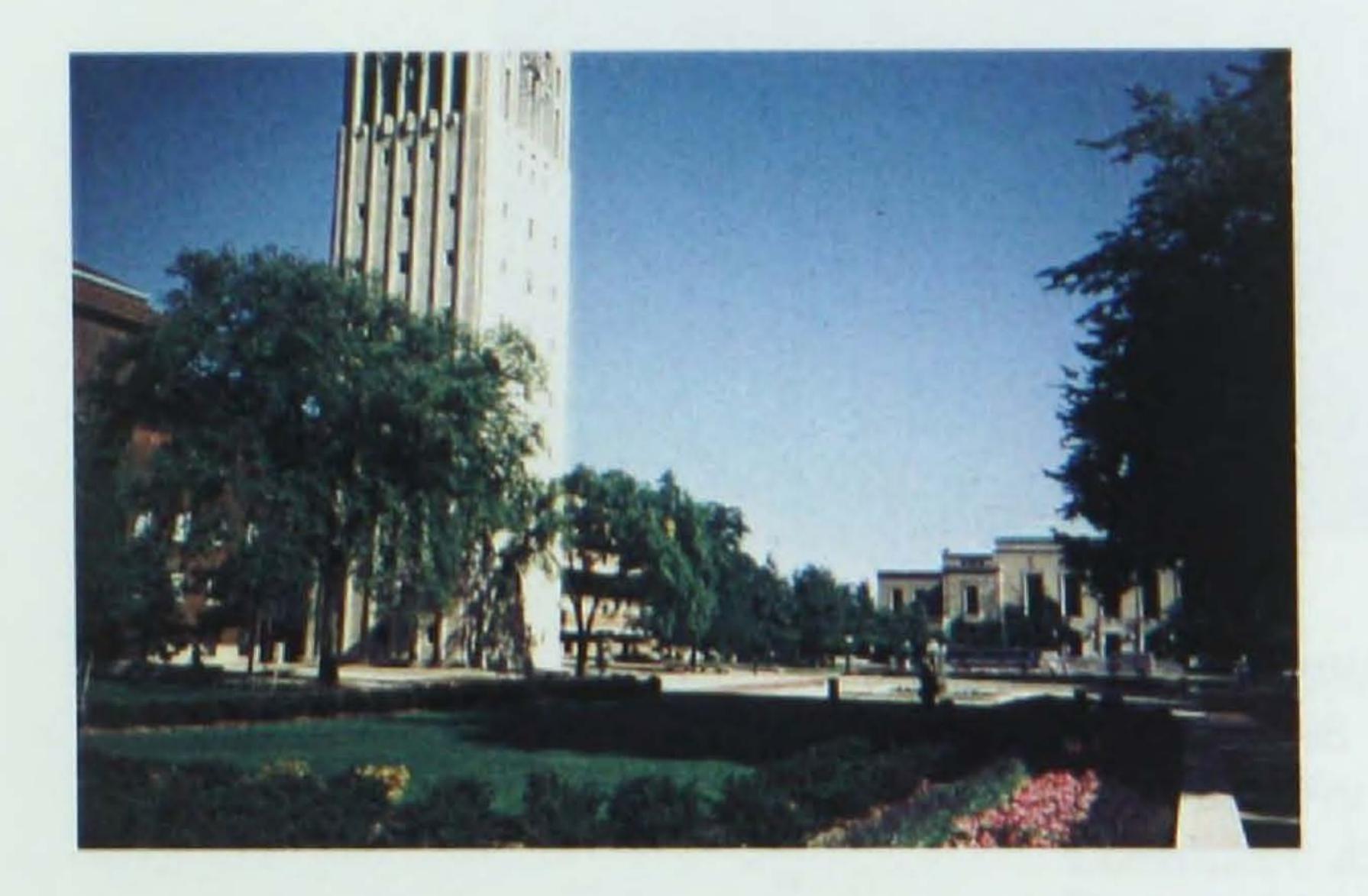
Additions & Renovations

November 1997

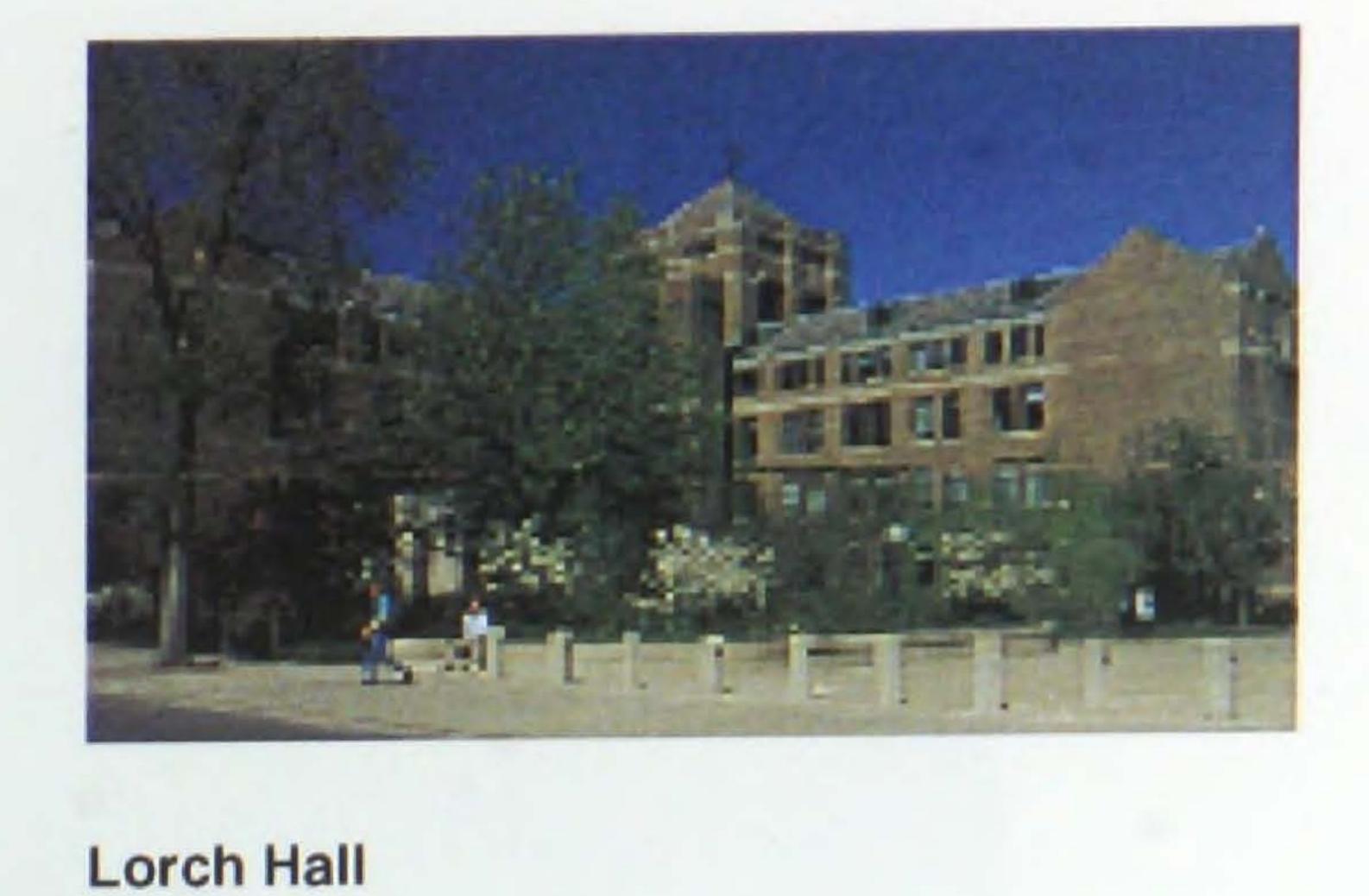
Architect: Ghafari Associates

Contractor: John M. Olson Company

Budget: \$7,500,000



Ingalls Mall Construction
February 1993
Architect: UM Facilities Planning & Design
Contractor: Stoner-Desbrough, Inc.
Cost: \$402,796



Contractor: Boone & Darr/Freeman Darling

Renovation

Architect: E.M. Smith

Budget: \$4,559,401

June 1987



Michigan League Renovation & Addition December 1987 Architect: Fry & Associates Contractor: TKI Construction Management Cost: \$1,100,000





### Student Activities Building Visitors Center

August 1996

Architect: Fry & Partners

Contractor: John M. Olson Company

Budget: \$4,883,885

9



#### **University Hospital**

December 1986
Architect: Albert Kahn Associates
Contractor: Barton-Marlow Company

Cost: \$264,727,841

#### **University Hospital**

Medical Procedures Unit
June 1991
Architect: Albert Kahn Associates
Contractor: Brencal Contractors

Cost: \$4,563,957

#### **University Hospital**

Human Applications Lab Renovation September 1996 Architect: Giffels Hoyem Basso Contractor: F. J. Jones & Company Budget: \$1,536,200

### **University Hospital**

Emergency Dept. Expansion/Renovation

April 1998

Architect: Albert Kahn Associates

Contractor: (in design phase)



#### Cancer & Geriatrics Center

October 1996

Architect: TMP Associates Contractor: Walbridge Aldinger

Company

Budget: \$88,600,000

### North Entrance Parking Structure - UMH

January 1996

Architect: TMP Associates

Contractor: Walbridge Aldinger Company

Budget: \$12,200,000





### Child Care Center - University Hospitals

July 1991

Architect: Corporate Design Group

Contractor: MSI Cost: \$2,195,231



#### Glen Avenue Parking Structure

July 1986

Architect: Luckenbach/Ziegelman & Partners

Contractor: Spence Brothers

Cost: \$9,950,938



## Medical Science Research Building I

January 1988

Architect: Jickling Lyman Powell Associates Contractor: M. A. Mortenson Company

Cost: \$15,500,000

## Medical Science Research Building II

November 1989

Architect: Jickling Lyman Powell Associates

Contractor: Palmer-Smith Company

Cost: \$22,726,000

## Medical Science Research Building III

September 1994

Architect: Jickling Lyman Powell Associates Contractor: M. A. Mortenson Company

Budget: \$50,187,500







### Medical Center Drive Parking Structure

Addition

December 1988

Architect: TMP Associates

Contractor: Rudolph/Libbe Inc.

Cost: \$9,712,587

New Construction



Primary Care Facility at East Campus

July 1996

Architect: Albert Kahn Associates

Contractor: Clark Construction Company Budget: \$28,100,000



#### A. Alfred Taubman Health Care Center

December 1986

Architect: Albert Kahn Associates Contractor: Barton-Malow Company

Cost: \$46,987,147



### C. S. Mott Children's Hospital

Renewal
January 1995
Albert Kahn Associates
Walbridge Aldinger Company

Budget: \$46,475,750

#### C. S. Mott Children's Hospital

Single Room Maternity Care Renovation

November 1995

Architect: Albert Kahn Associates Contractor: George W. Auch Company

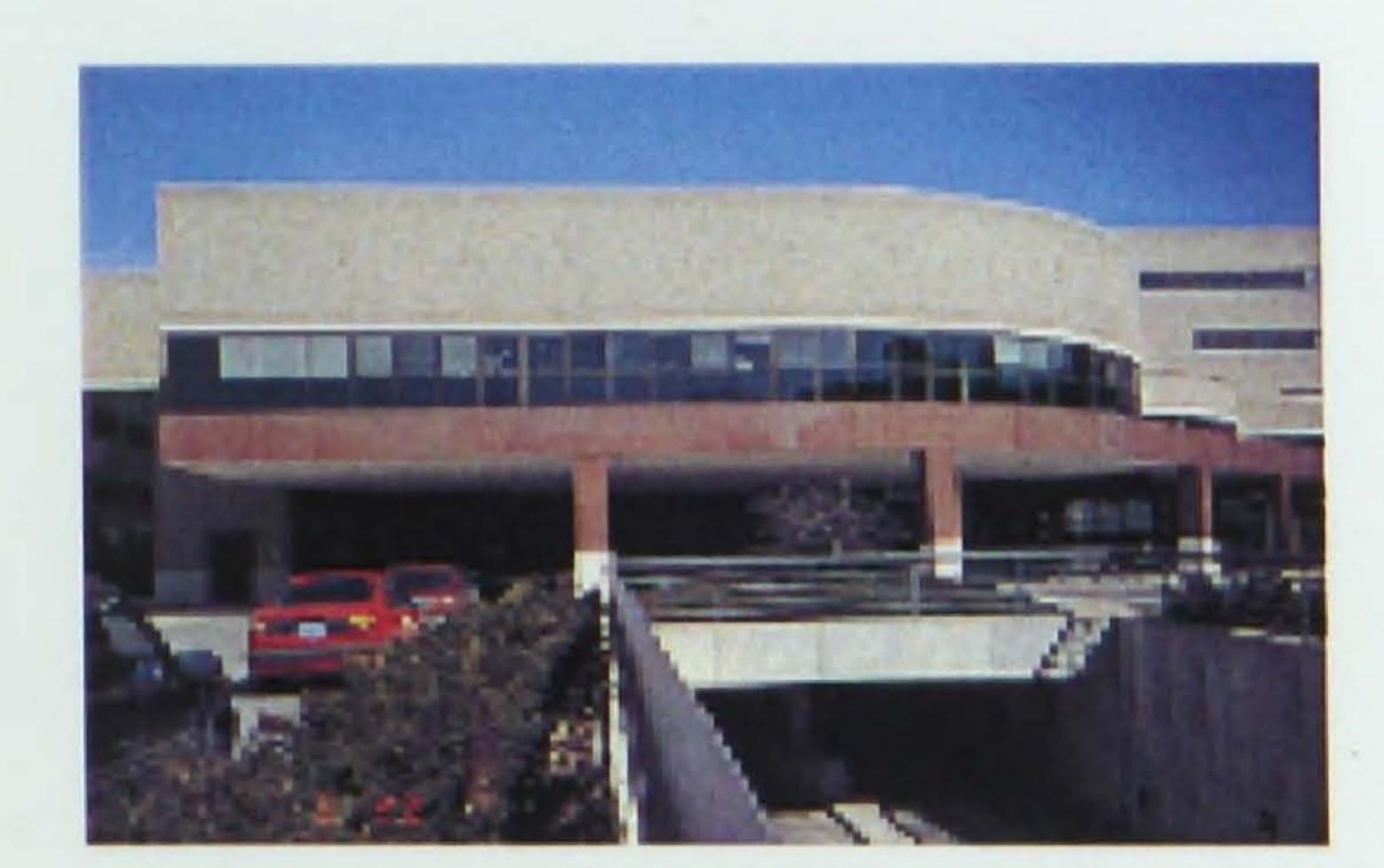
Budget: \$6,400,000

### Women's Hospital

Renovation August 1997

Architect: Giffels Hoyem Basso Contractor: (in design stage)

Budget: \$5,300,000



#### Maternal & Child Health Care Center

Renovations
June 1992

Architect: TMP Associates

Contractor: Brencal Contractors

Cost: \$5,916,587



Computing Center

Addition 1 December 1986

Architect: TMP Associates

Contractor: Dale Krull Construction

Cost: \$582,445

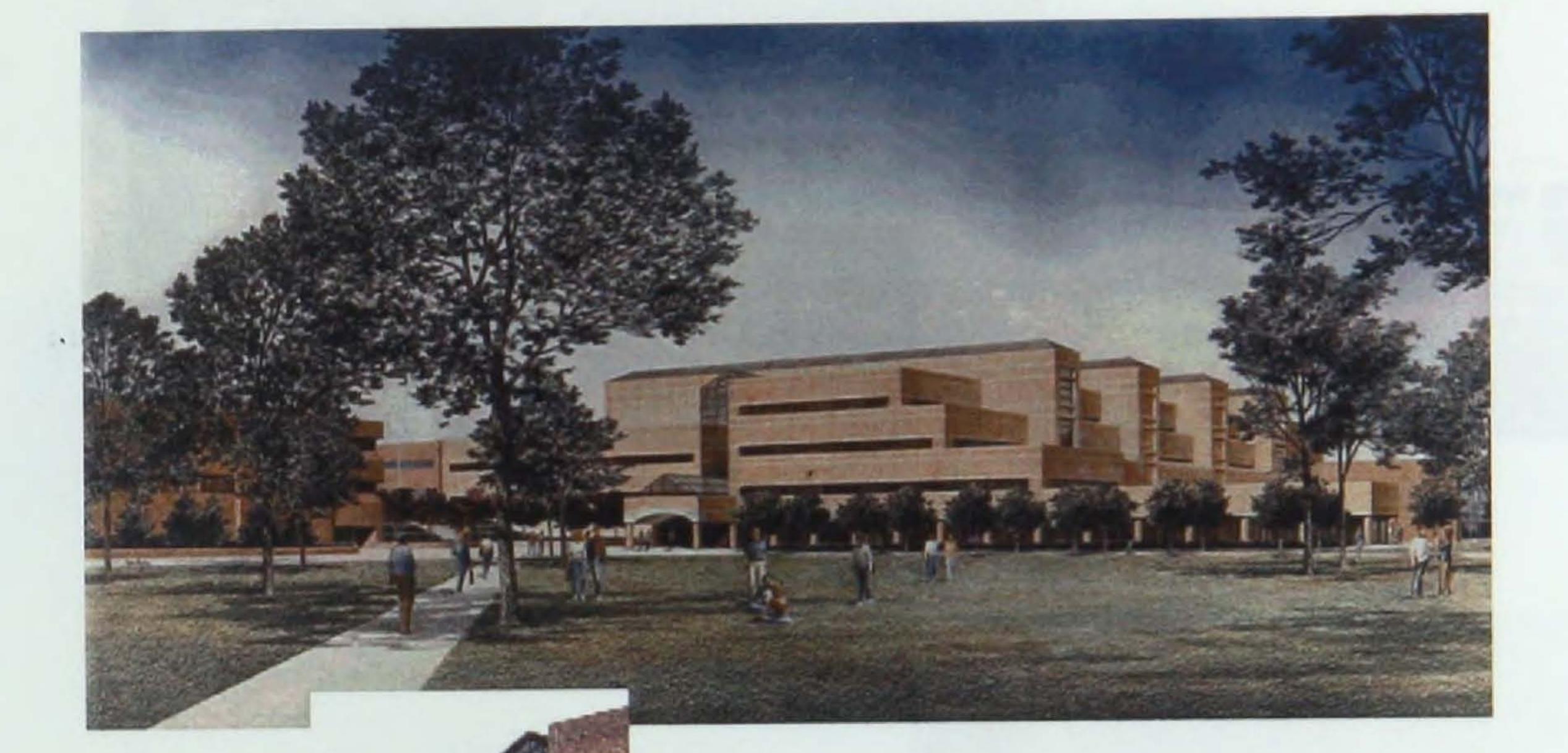


Dow - GG Brown Connector

October 1989

Architect: McClurg & Associates Contractor: Spence Brothers

Cost: \$4,899,428



## Electrical Engineering and Computer Science

September 1986

Architect: Smith Hinchman & Grylls Contractor: Walbridge Aldinger Company

Cost: \$29,650,000



#### Francois-Xavier Bagnoud Building

September 1993

Architect: Smith Hinchman & Grylls Contractor: F.J. Jones & Company

Cost: \$14,395,397

North Campus New Construction



#### Media Union

June 1996

Architect: Albert Kahn Associates Contractor: Ellis-Don Michigan

Budget: \$41,800,000

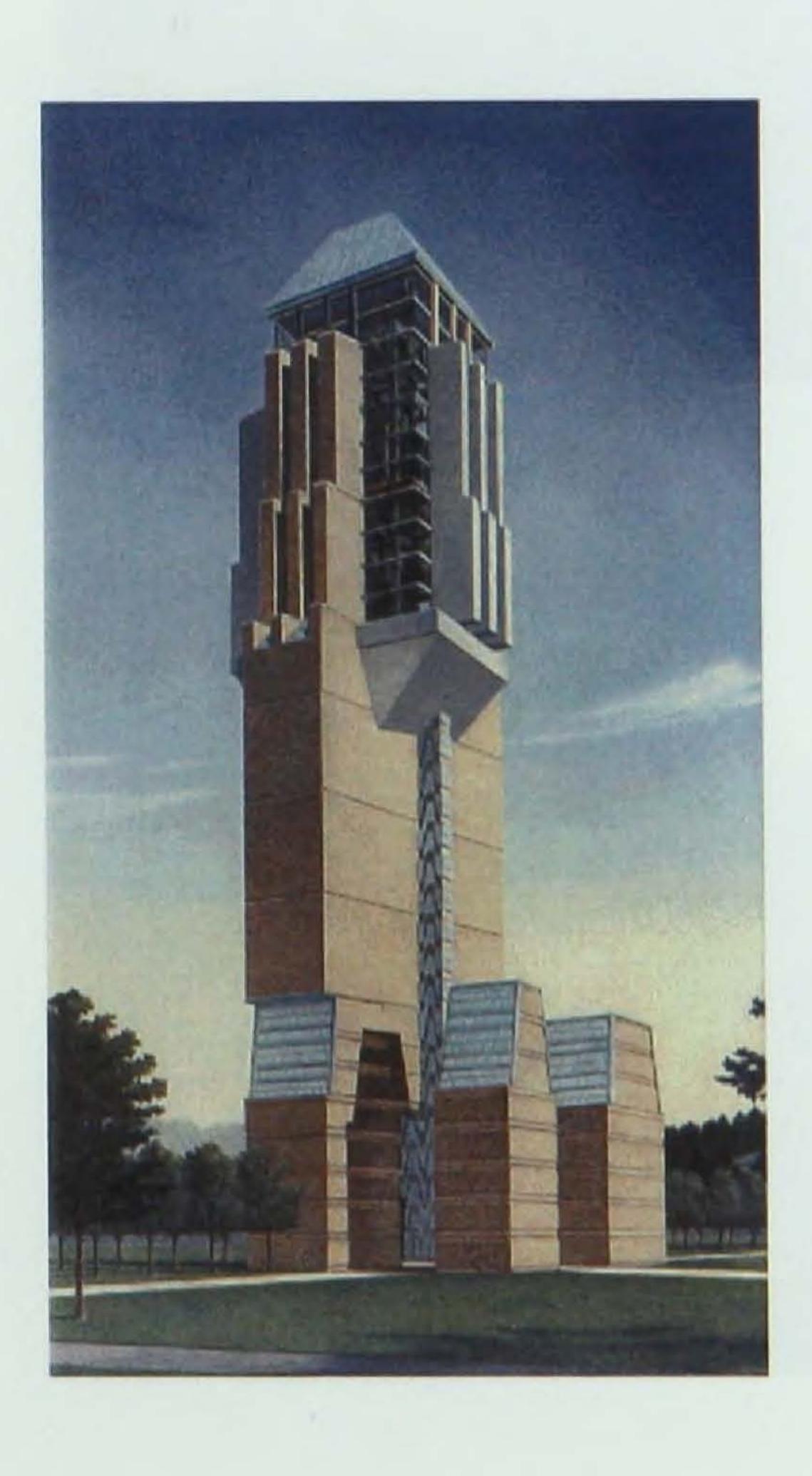
#### Media Union

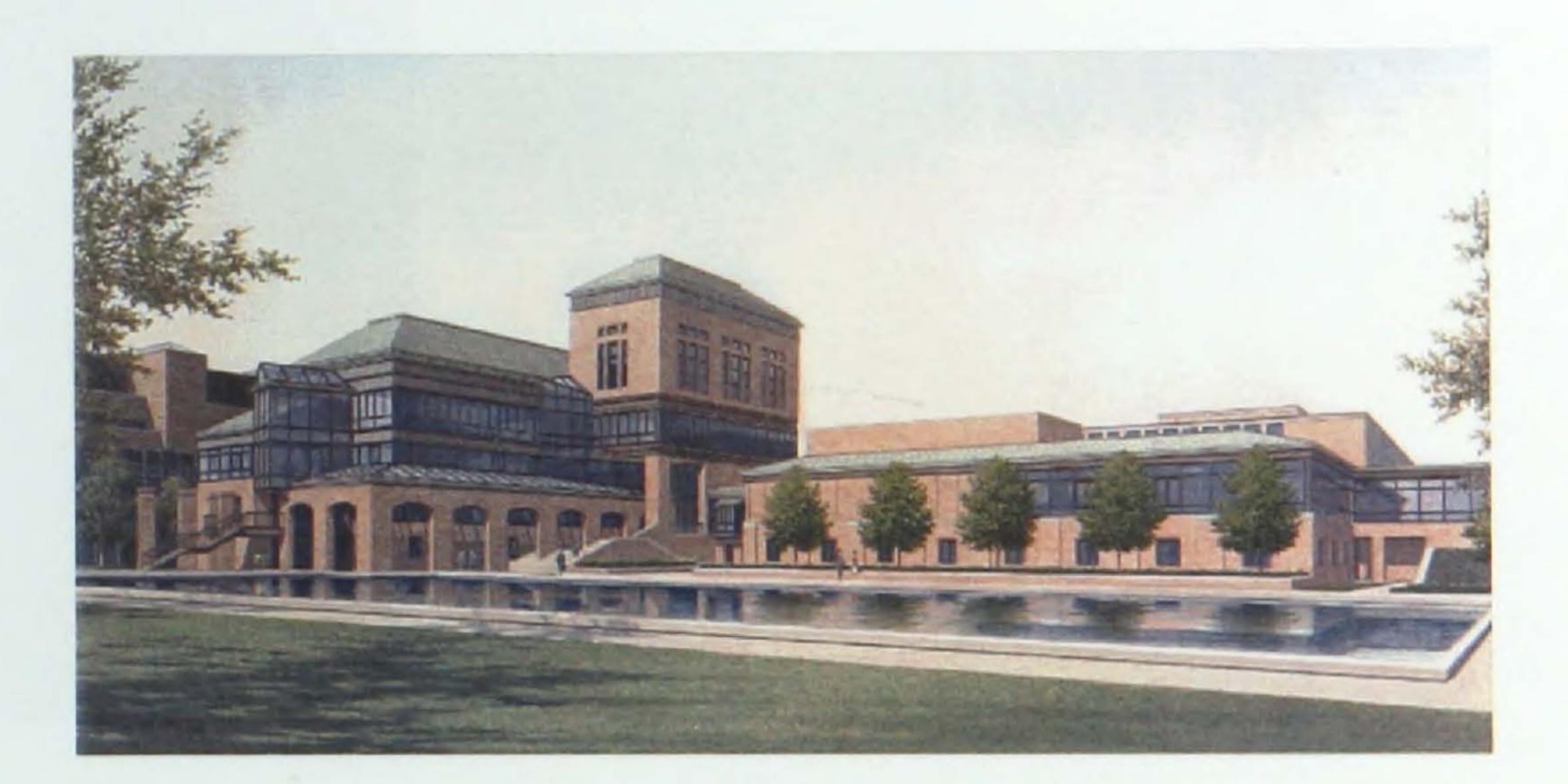
Basement Library August 1996

Architect: Albert Kahn Associates Contractor: Ellis-Don Michigan

Budget: \$1,900,000







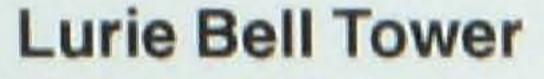
## Lurie Engineering Center

August 1996

Architect: Hobbs + Black

Contractor: Sorensen Gross Construction

Budget: \$16,500,000



August 1996

Architect: Hobbs + Black and M/A Contractor: Ellis-Don Michigan

Budget: \$5,200,000

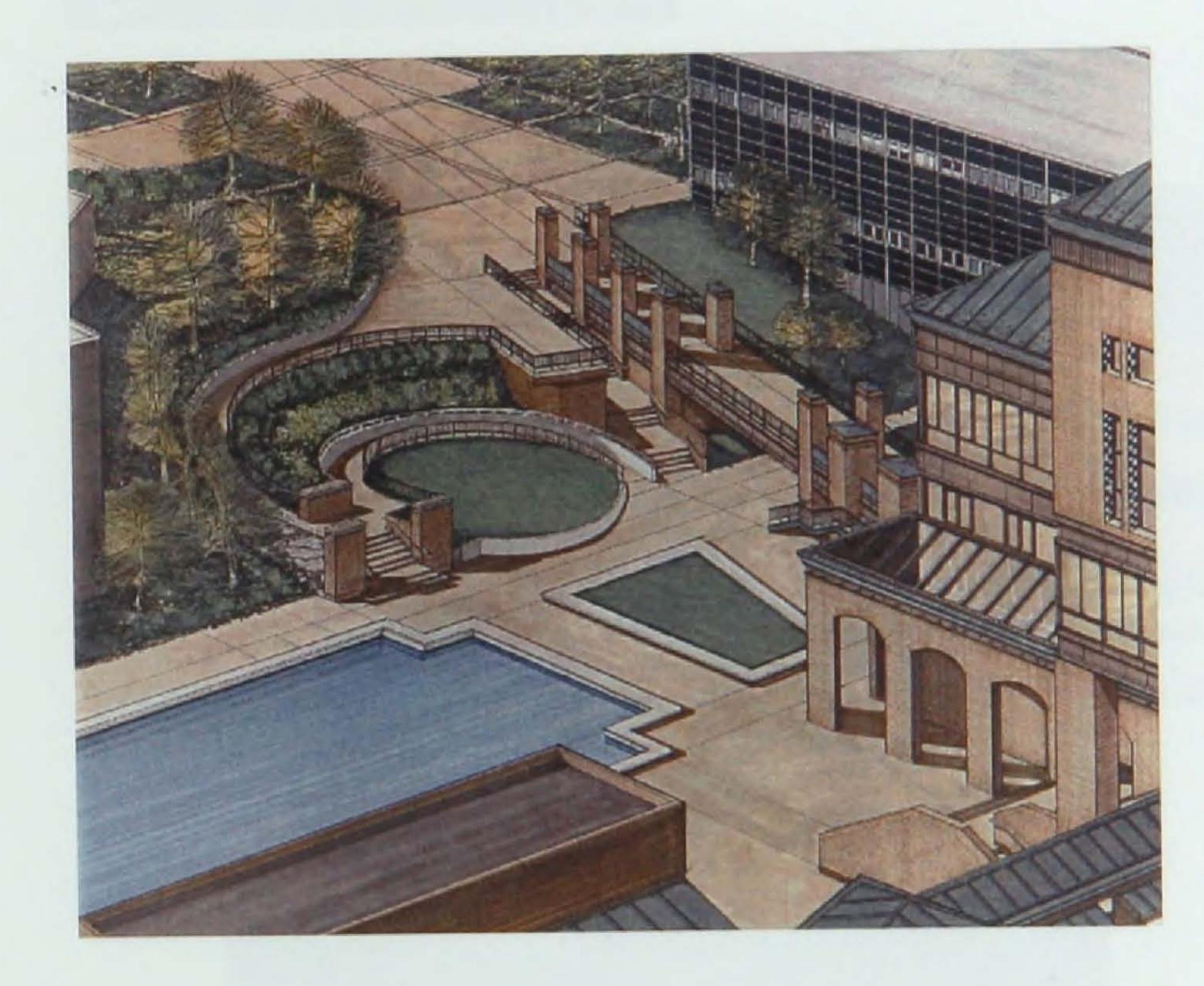


## North Campus Family Housing Community Center

January 1991

Architect: Sims-Varner & Associates Contractor: TAI Construction Management

Cost: \$2,206,774



## North Campus Reflecting Pool & Pedestrian Bridge

Completion Date:

Architect: Johnson Johnson & Roy and Hobbs & Black

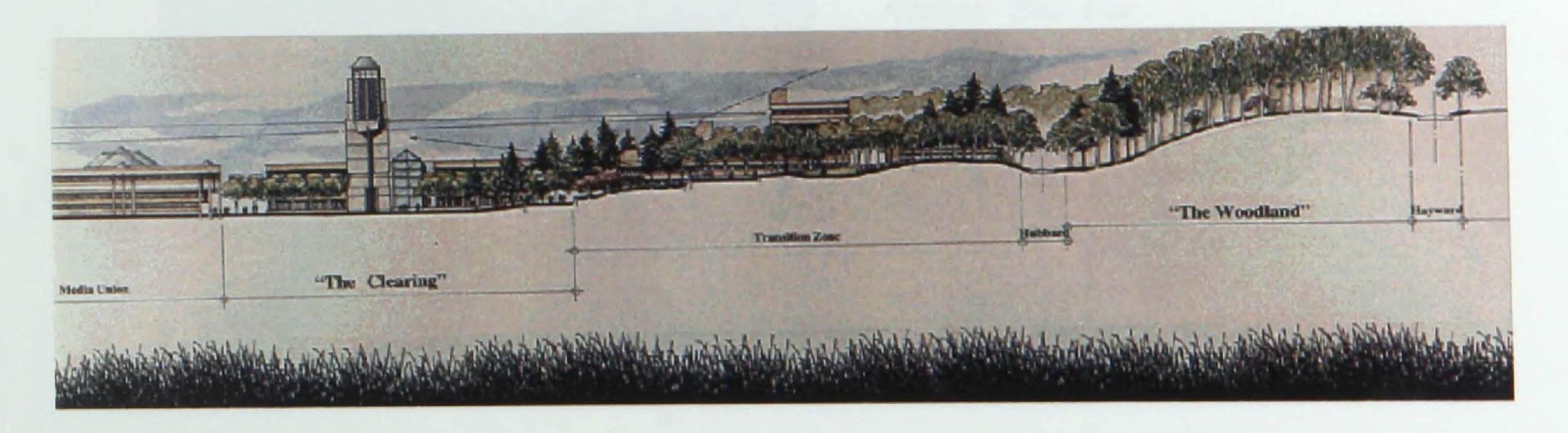
Contractor: (in design phase)

Budget: \$1,400,000

## North Campus Landscaping Plan

Competition 1995

Winner: Johnson Johnson & Roy





Pierpont Commons & Dow Engineering
Renovations for CAEN Classrooms & Library
June 1992
Architect: UM Facilities Planning & Design
Contractor: Dale Krull Construction

Cost: \$760,013



Herbert H. Dow Building
Media Center Renovations
June, 1986
Architect: Simms-Varner
Contractor: Fairview Construction
Cost: \$3,016,347



Space Research Laboratory

Addition - East Side

May 1992

Architect: UM Facilities Planning & Design

Contractor: John M. Olson Company

Cost: \$2,715,322



Donald B. Canham Natatorium

May 1989

Architect: Hobbs + Black Associates

Contractor: Spence Brothers

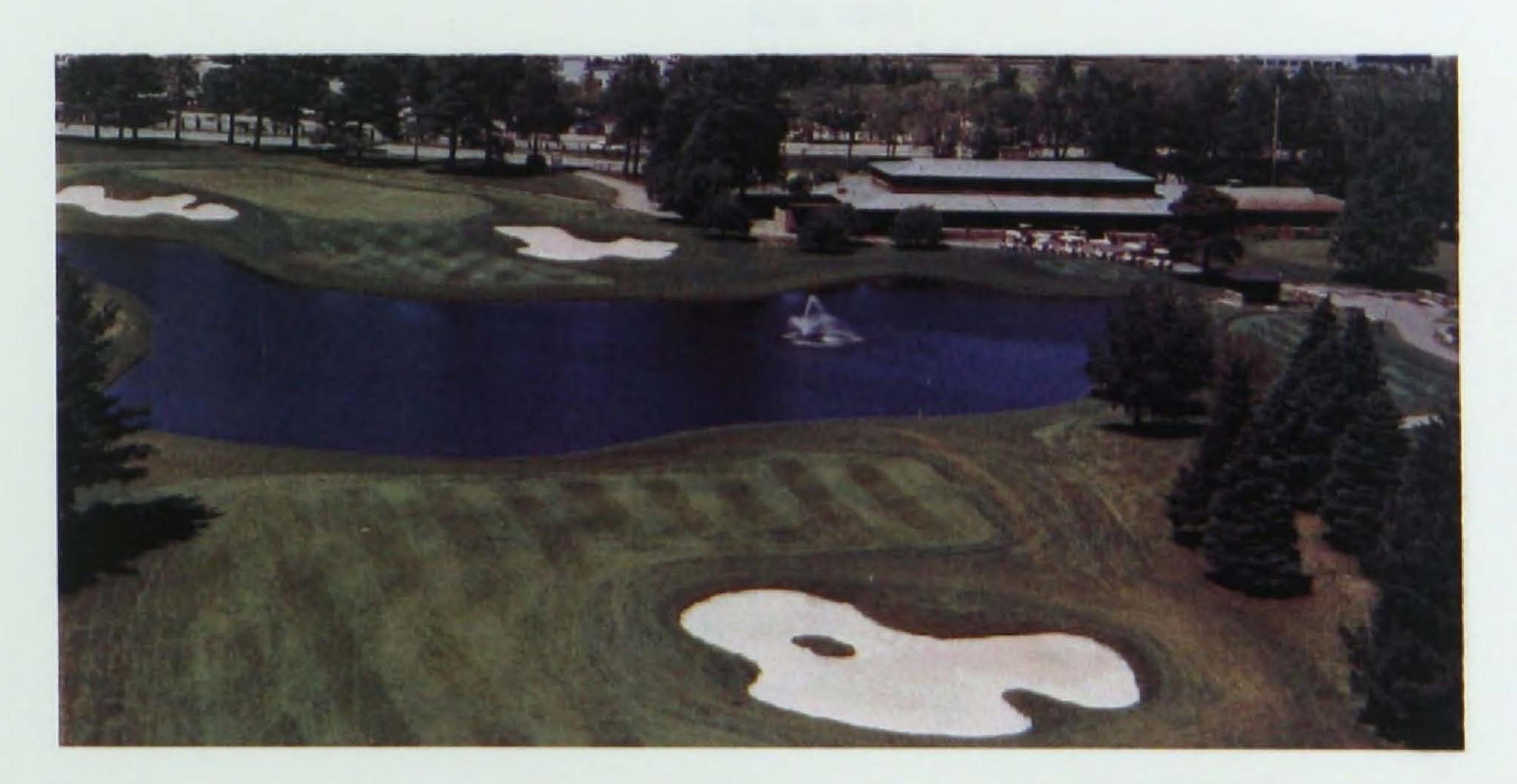
Cost: \$8,212,076







Glenn E. Schembechler Hall
August 1990
Architect: Gunnar Birkerts & Associates
Contractor: Spence Brothers
Cost: \$10,795,971



Golf Course Improvements
May 1994
Architect: Arthur Hills & Associates
Contractor: Paul Clute & Associates
Cost: \$1,100,000

New Construction

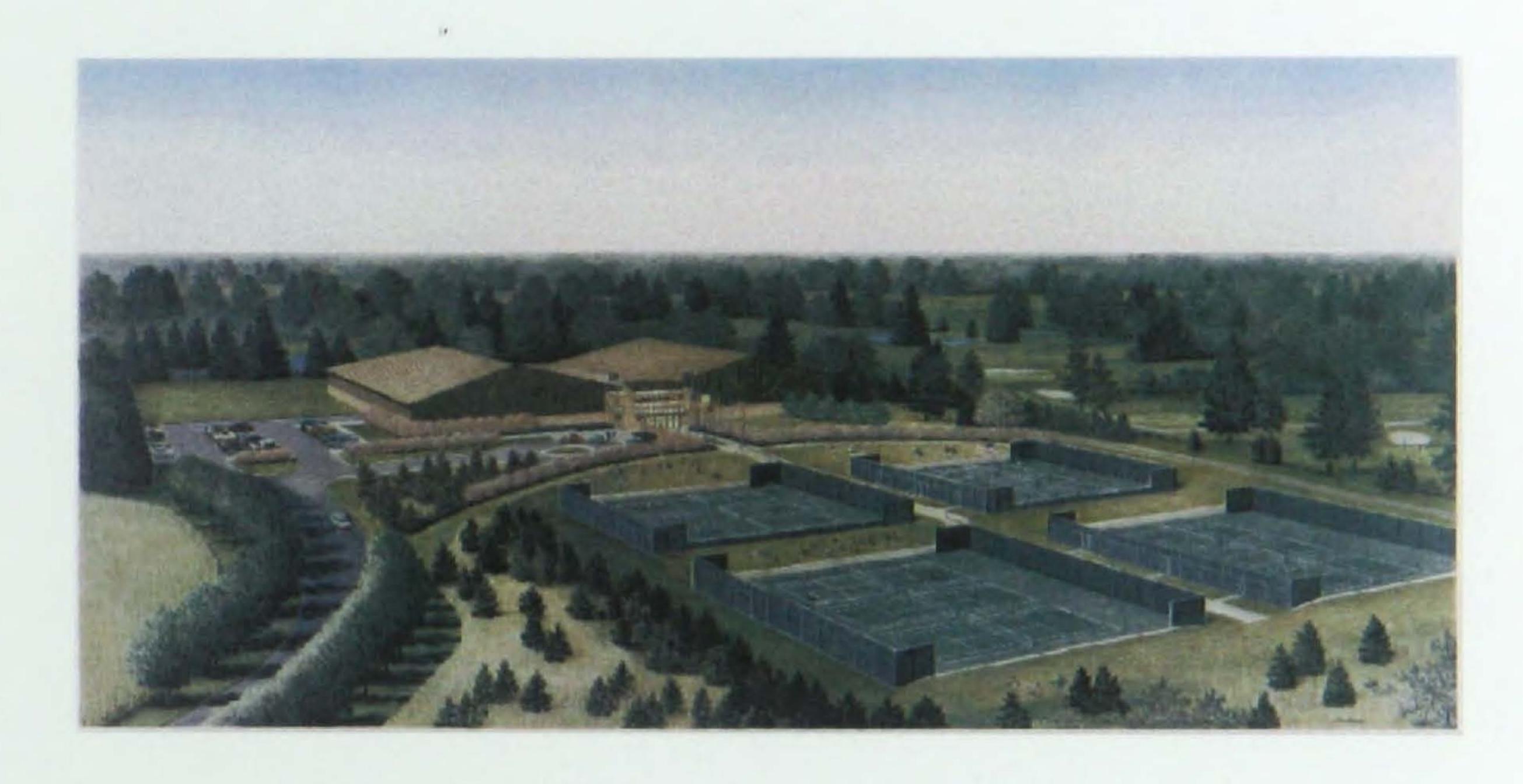


Institute of Continuing Legal Education

August 1987

Architect: Hobbs + Black Associates Contractor: Forner Construction Company

Cost: \$1,290,733

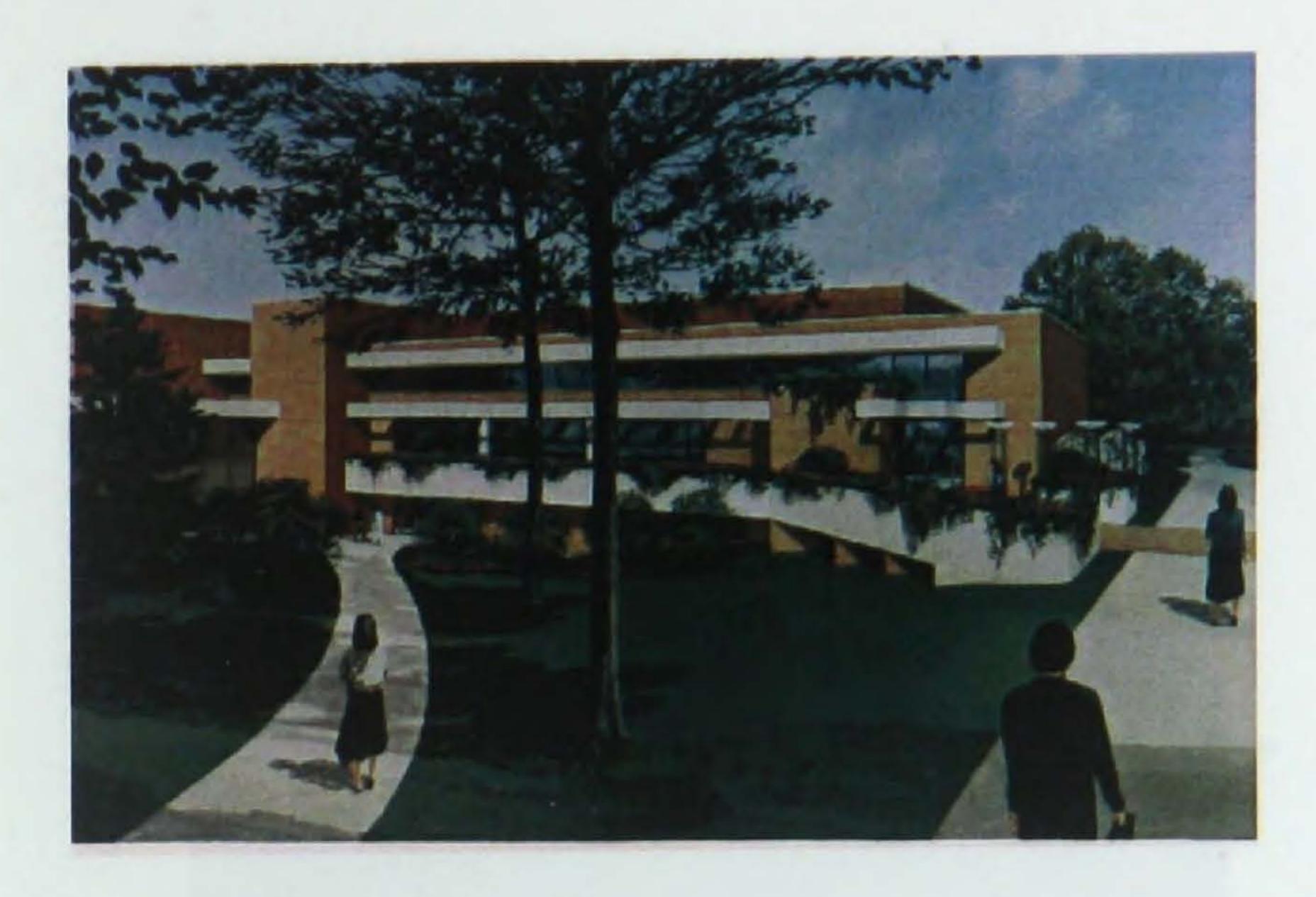


Tennis Center June 1996

Architect: Osler

Contractor: Freeman-Darling Construction

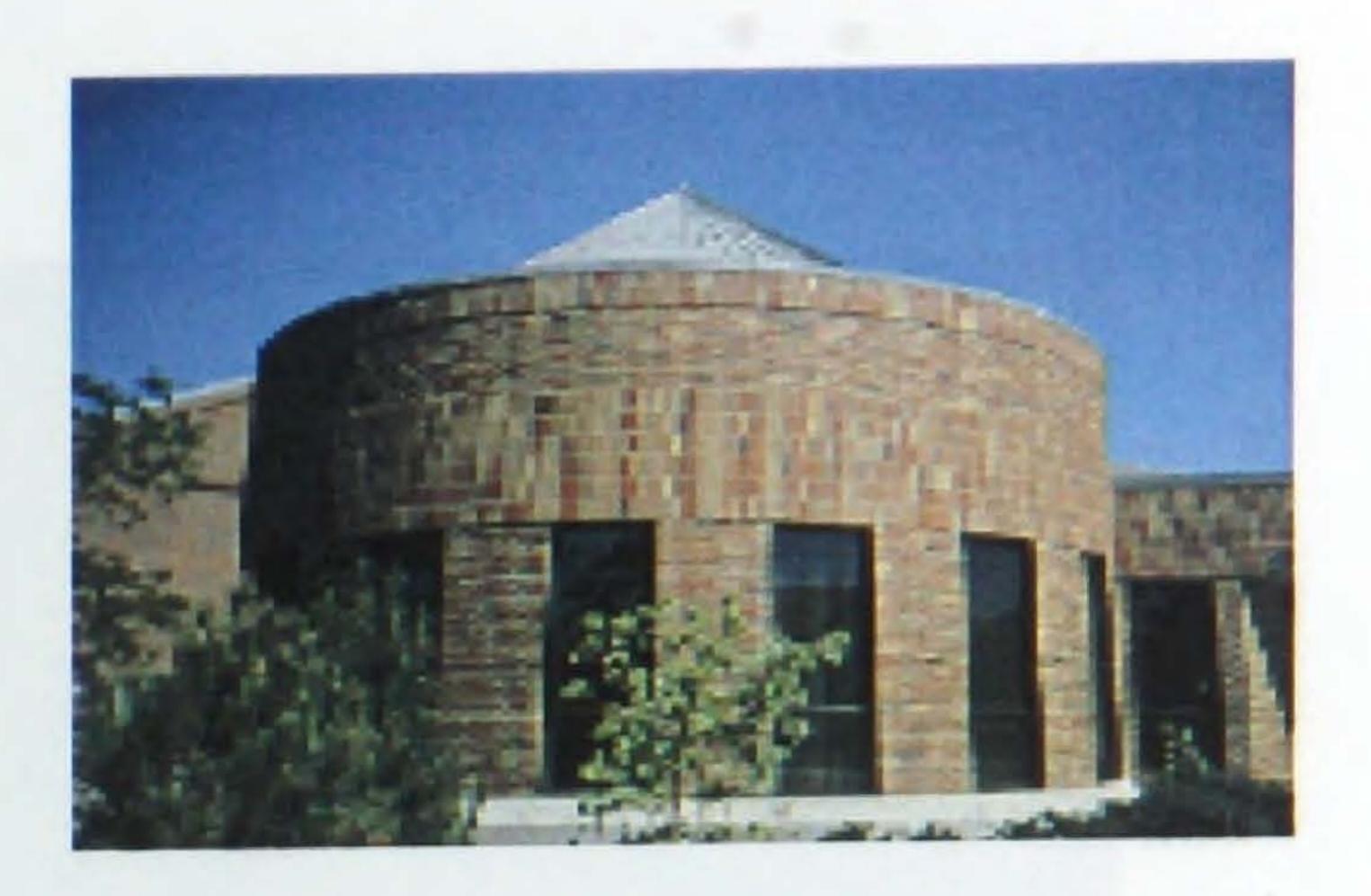
Budget: \$4,140,000



Margaret Bell Pool Addition

June 1997

Architect: Dow Howell Gilmore Contractor: (in design stage) Budget: \$2,000,000



William D. Revelli Band Rehearsal Hall

Addition June 1990

Architect: Hobbs + Black Associates Contractor: Dale Krull Construction

Cost: \$887,700



#### Weidenbach Administration Building

Phase I and II Building Renovation
September 1993
Architect: UM Facilities Planning and Design
Contractor: MSI

Cost: \$2,699,468



### **Wolverine Tower**

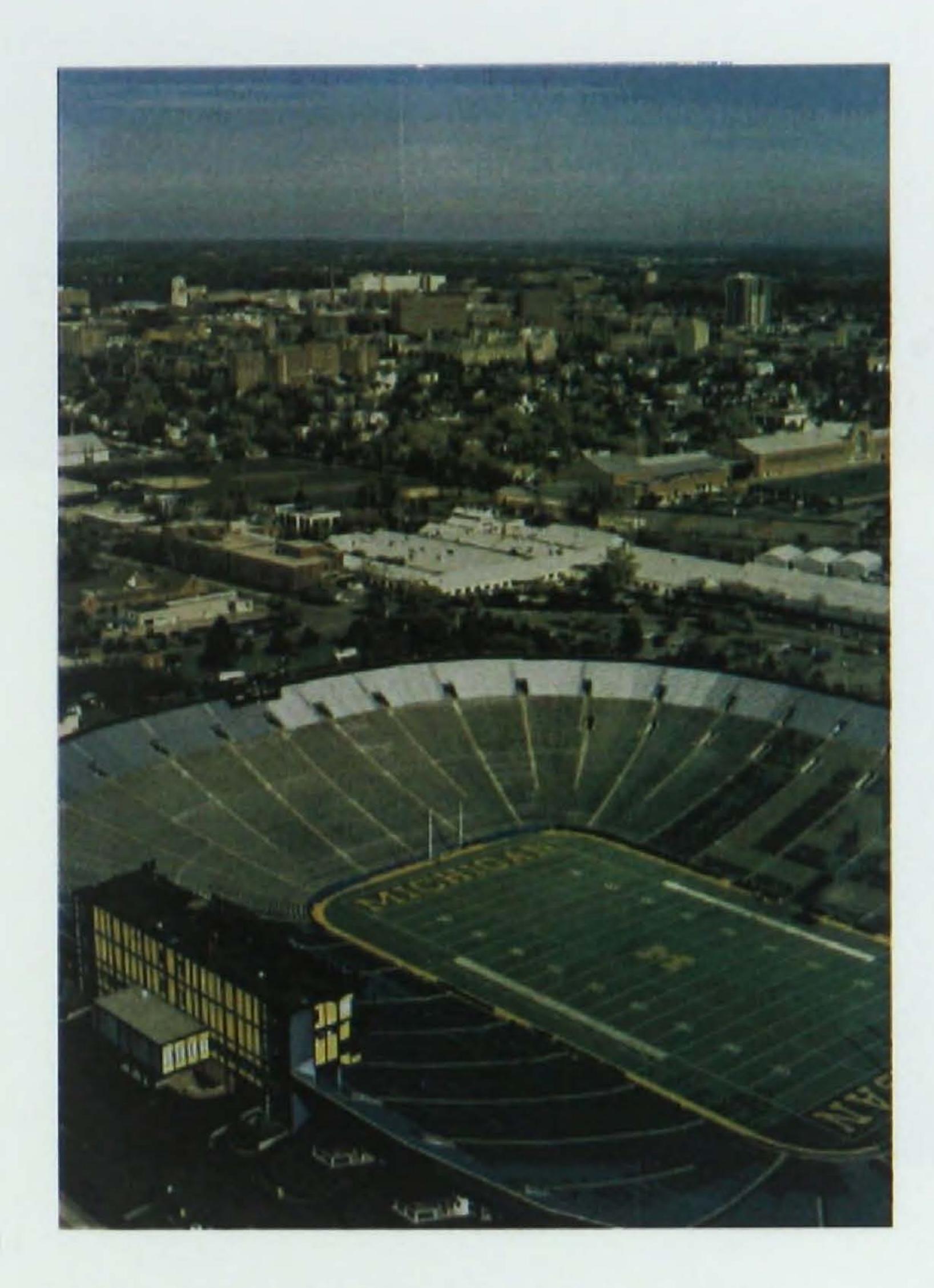
Renovations Phase I & Phase II

June 1994

Architect: Rossetti Architects

Contractor: J. C. Beal Construction

Cost: \$2,094,784



University of Michigan Football Stadium

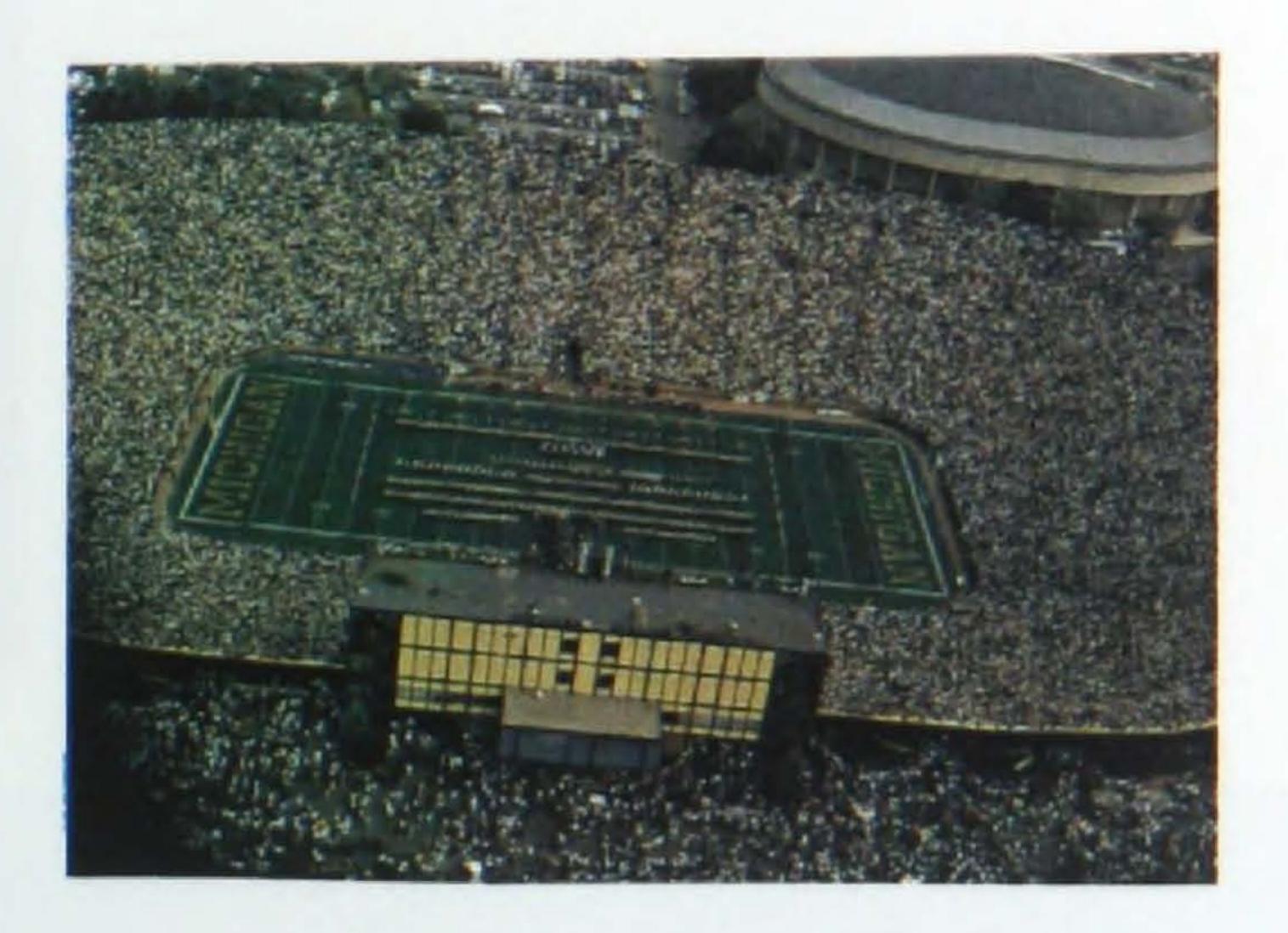
Prescription Turf

February 1993

Architect: Luckenbach/Ziegelman & Partners

Contractor: Turf Services, Inc.

Cost: \$2,164,303



University of Michigan Football Stadium

Concrete Repairs

February 1993

Architect: Walker Consultants

Contractor: Spence Brothers

Cost: \$1,589,662





Dearborn Campus

General Campus Renovations - Phase II October 1996

Architect: Sims-Varner & Associates Contractor: Walbridge Aldinger Company

Budget: \$16,200,000





Dearborn Support Services Facility

New Construction April 1995

Architect: Ghafari Architects
Contractor: AIM Systems
Budget: \$1,541,000





Frances W. Thompson Library - Flint
New Construction
April 1995
Architect: Gunnar Birkerts Associates
Contractor: Walbridge Aldinger

Budget: \$19,800,000



Murchie Science Building - Flint
New Construction
February 1990
Architect: Smith Hinchman & Grylls

Contractor: Erickson & Londstrom

Cost: \$24,600,929

#### Major Capital Projects from 1985 to 1996

**New Construction** 

Glen Avenue Parking Structure

New construction

Electrical Engineering & Computer Science

Original building

**Business Administration Executive Dorm** 

New construction

A. Alfred Taubman Health Care Center

Original building

The University Hospital

Original building

Institute of Continuing Legal Education

New construction

Medical Science Research Building I

New construction

Medical Center Drive Parking Structure

construction

Donald B. Canham Natatorium

New construction

Dow-G.G. Brown Connector

construction

Medical Science Research Building II

New construction

Murchie Science Building (Flint)

New construction

Glenn E. Schembechler Hall

Construct new room

N. Campus Housing Community Center

New construction

The University Hospital

Medical Procedures Unit

University Hospitals Child Care Center

construction

Francois-Xavier Bagnoud Building

New construction

Medical Sciences Research Building III

New Construction

Dearborn Campus Support Services

New construction

Frances Willson Thompson Library

New construction

Harrison M. Randall Laboratory

Addition

School of Social Work Building

New construction

Cancer and Geriatrics Centers Facility

New construction

Med Center N. Entrance Parking Structure

University Hospital

Integrated Technology Instruction Center

New construction

Lurie Engineering Center

New construction

Lurie (North Campus) Bell Tower

New construction

Tennis Center

Contruction of new tennis facility

Dearborn Campus

Campus renovations - Phase II

Primary Care Facility

Phase 1 - East Campus

#### Total New Construction \$766,553,571

#### **Major Renovations**

Kresge Medical Research Unit III

Addition #2

Tappan Hall

Library

Michigan Union

Improvements phase I and II

Earl W. Moore Building

New addition

Multiple Buildings

1984-85 program

Herbert H. Dow Building

Media center renovations

**Computing Center** 

Addition 1

Central Heating Plant

Boiler/generator, gas turbine

Lorch Hall

Renovation and relocations

West Engineering

Information/Library Studies

Buhr Building

Library storage

Institute for Social Research

Addition II

Michigan League

1st floor kitchen/cafeteria

Catherine Street Parking Structure

1987 deck repairs

Engineering I

Optics lab

G.G. Brown Laboratory

Chiller addition

Art and Architecture Building

Renovate external wall enclosure

Central Heating Plant

New boiler breeching system

Central Heating Plant

New boiler breeching system

Horace H. Rackham Graduate Studies Chiller and cooling tower Angell Hall-Mason Hall Courtyard computer facility C. C. Little Science Building Remodel rooms for isotope lab Samuel Trask Dana Building Renovate portion of ground level The University Hospital Fourth chiller David M. Dennison Building Central chiller plant Chemistry Building Remodel 4th floor, addition 4 Chemistry W.H. Dow Laboratory Medical Science Unit II Anatomy department renovations Administrative Services **HVAC** renovations Medical Science Unit I Remodel 4th floor west wing Edward Henry Kraus Building Renovate old structure Fletcher Street Parking Structure 1990 deck repairs The 300 N. Ingalls Building Renovate 9th floor wet/laser labs Edward Henry Kraus Building Auditorium renovations Football Stadium Concrete repairs - 1991, 1992 Harrison M. Randall Laboratory New mechanical penthouse/core Medical Science Unit I Chiller system replacement Medical Science Unit I Remodel C and D wings Space Research Laboratory Addition - east side Pharmacy College C.C. Little addition lab-bridge Maternal and Child Health Care Center Renovate rooms N. Campus Commons and Dow Engineering CAEN classrooms and library Harrison M. Randall Laboratory

North stair and wing renovation

Harrison M. Randall Laboratory Remodel 3rd floor Glenn E. Schembechler Hall Margaret Dow Towsley Museums Dental Building and W.K. Kellogg Institute Renovate rooms C. C. Little Science Building Facilities grant project North Campus Service Building #1 Remodel for waste transfer facility Central Heating Plant Boiler #5 CCRB and Bell Pool Three discussion classrooms Henry S. Frieze Building 4th floor office and classroom Kresge Medical Research Unit III Remodel 4th floor for wet labs Football Stadium Prescription turf Kellogg Eye Center and Turner Clinic Renovate rooms Yost Ice Arena Renovations phase I 1239 Kipke Drive Renovations - structural floor Thayer Street Parking Structure 1992 restoration Dental Building and W.K. Kellogg Institute Chiller Replacement Chemistry Building Renovate lecture halls, structures Mary B. Markey Hall Facility renewal, replace windows Wolverine Tower Renovate 1st, 2nd floors for DRDA Harrison M. Randall Laboratory Sub-basements 1st, 2nd floors Athletics Administration Phase I and II buillding renovation Medical Science Unit I Remodel levels 4 and 5 Medical Science Research Building I Replace corroded water pipes 1239 Kipke Drive Renovate mechanical rooms South Quadrangle Renovation of E and W elevators Medical Science Unit I

New electrical substation

North Campus Switch Station (Edison) Increase electrical capacity South Quadrangle Window replacement project Football Stadium Repair programs 1994, 1995 Alexander G. Ruthven Museums Building Renovations - herpetology, insects Church Street Parking Structure Repairs 1993, 1994 Church Street Parking Structure 1994 repairs C.S. Mott Children's Hospital Renewal The University Hospital Relocation-diagnostic vascular unit G.G. Brown Laboratory Manifold fumehood exhaust Alexander G. Ruthven Museums Building Replace chiller and pump Dental Building and W.K. Kellogg Institute Remodel for research labs Shapiro Undergraduate Library Additions and renovations Medical Science Unit II Upgrade air handling system South Quadrangle Renovate 9th and ground floor Medical Science Units I and II Air quality improvements Medical Science Unit I Remodel 6th level A-wing Newberry Hall - Kelsey Museum Sensitive artifact facility Fletcher Street Parking Structure Install new fire protection system Medical Science Unit I Chiller - clinical pathology labs Chemistry Building Manifold fume hood exhaust Medical Science Unit II Micro/Immun laboratory/office School of Education Remodel part of 3rd floor David M. Dennison Building

Absorption chiller, cooling system

Remodel lecture halls

Campus safety and security

Medical Science Unit II

1239 Kipke Drive

C.S. Mott Children's Hospital Single room maternity care Cook Legal Research Library Jackier rare book room University Hospital **Human Application Lab renovation** IST Laboratory Wing Remodel west basement area Cook Legal Research Library Replace piping C.C. Little Science Building College of Pharmacy - Phase II East Engineering Exterior window replacement C.C. Little Science Building Renovate 1st floor east wing Medical Science Unit I Remodel 6th and 7th level A wings Wolverine Tower Parking lot reconstruction Cook Legal Research Library Stair addition Football Stadium 1995 repairs - phase I and II Dennison Building Renovate 2nd floor classrooms Student Activities Building Replace chiller and cooling tower Cook Legal Research Library Fire safety project - sprinklers Michigan Union Renovations Michigan League Renovations Pierpont (North Campus) Commons Building renewal 1995 Health Service Additions and renovations School of Education Replace windows Wolverine Tower Remodel floors 3.5.and 6 Wolverine Tower Renovate floors 8 and 9 Multiple Locations Underground tank removal Multiple Buildings Campus card access system School of Public Health I and II

Central chiller plant

#### **Appendix**

Land Improvements - Ferry Field Develop south area Land Improvements Security lighting improvements Hatcher Graduate Library - multiple buildings Roof replacement Land Improvements - West Central Cempus Duct run Engineering Center/Beal Ave Land improvements Land Improvements - North Campus Road and parking reconstruction Walter E. Lay Automotive Lab Tank farm and storage building Health Service, Dental, Kellogg Central chiller plant

Total Renovations Budget: \$1,234,543,989

The Regents of the University
Deane Baker, Ann Arbor
Laurence B. Deitch, Bloomfield Hills
Daniel D. Homing, Grand Haven
Shirley M. McFee, Battle Creek
Rebecca McGowan, Ann Arbor
Andrea Fischer Newman, Ann Arbor
Philip H. Power, Ann Arbor
Nellie M. Varner, Detroit
Homer A. Neal, ex officio

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