I. 3. Physical Planning and Development Committee - Thursday, May 7, 1992
Room E280
UW-Milwaukee Union
Time: 1:30 p.m.

a. Approval of the minutes of the April 9, 1992 meeting of the Physical Planning and Development Committee

b. UW-Milwaukee: Approval of 1992 Campus Development Plan
[Resolution I.3.b.]

c. UW-Eau Claire: Approval of Fire Alarm/Smoke Detection Upgrade project, $587,800 ($338,600 General Fund Supported Borrowing - Health & Safety funds and $249,200 of Program Revenue - Housing Funds).
[Resolution I.3.c.]

d. UW-Madison: Approval to extend the current lease for 11,316 square feet of space located at 333 North Randall Avenue, Madison, Wisconsin, for use by various College of Engineering programs and University Archives.
[Resolution I.3.d.]

e. UW-Madison: Authority to construct a Camp Randall Stadium Structural Repair - Phase 2 project, $675,000 ($540,000 General Fund Supported Borrowing - Facilities Repair and Renovation and $135,000 Program Revenues).
[Resolution I.3.e.]

f. UW-Madison: Approval to name the Molecular Biology and Molecular Virology Building the "Robert M. Bock Laboratories"
[Resolution I.3.f.]

g. UW-Madison: Approval of Minor Project: Engineering Undergraduate Electronic Microfabrication Laboratory, $200,000 General Fund Supported Borrowing - Facilities Repair and Renovation funds.
[Resolution I.3.g.]

h. UW-Milwaukee: Authority to construct the Golda Meir Library Fire Alarm Upgrade project, $250,000, General Fund Supported Borrowing - Health and Safety.
[Resolution I.3.h.]

i. UW-Milwaukee: Approval to transfer 44 acres of university-owned land to the Town of Hubbard, Dodge County, Wisconsin
[Resolution I.3.i.]

j. UW-Platteville: Approval to construct a Steam Distribution/Condensate Return Line Replacement project, $523,400, General Fund Supported Borrowing - Utilities Repair and Renovation.
[Resolution I.3.j.]

k. UW-River Falls and UW-Whitewater: Approval for the officers of the Board of Regents to execute two easements for UW-River Falls and one easement for UW-Whitewater.
[Resolution I.3.k.]

(Continued on reverse side)

l. Report of the Vice President

(1) Annual Report on Facility-Related 1992 Budgets of Cities and Counties on Behalf of the UW Centers (Information Only)
(2) Presentation of the Results of the Campus Space Planning Process at UW-Platteville

m. Additional items which may be presented to the Committee with its approval

Approval of 1992 Campus
Development Plan, UW-Milwaukee

PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Resolution:

That, upon the recommendation of the UW-Milwaukee Chancellor and the President of the University of Wisconsin System, the 1992 Campus Development Plan, reflecting updates to the 1979 Campus Development Plan and documenting physical facilities and campus boundaries, be approved.

UNIVERSITY OF WISCONSIN - MILWAUKEE
CAMPUS PHYSICAL DEVELOPMENT PLAN

EXECUTIVE SUMMARY

Background

The first University of Wisconsin-Milwaukee campus development plan was approved by the Board of Regents on April 9, 1960 when UWM consisted of 7,000 students and six buildings. Major objectives included planning for an enrollment of 20,000 by 1975. This projection was surpassed five years early with 20,822 students enrolled in 1970.

The consulting firm of Caudill-Rowlett-Scott was contracted in 1970 by the State Bureau of Facilities Management to develop a master plan for the Milwaukee Campus resulting in a completed plan in 1972. The Plan has been periodically updated to reflect required changes of Enrollment Management and deferral of construction to address renovation of the Downer Buildings. The Board of Regents last approved a total campus plan for UW-Milwaukee in April 1979.

This plan is based on the Regent approved mission statement. It is consistent with the University's program needs and the Regent approved enrollment planning level of 24,507 (16,087 FTE). Acceptance of this plan recognizes planning issues to be addressed over the next decade that relate to the physical facilities. Final decisions on project requests are made by the Board of Regents and State Building Commission each biennium.

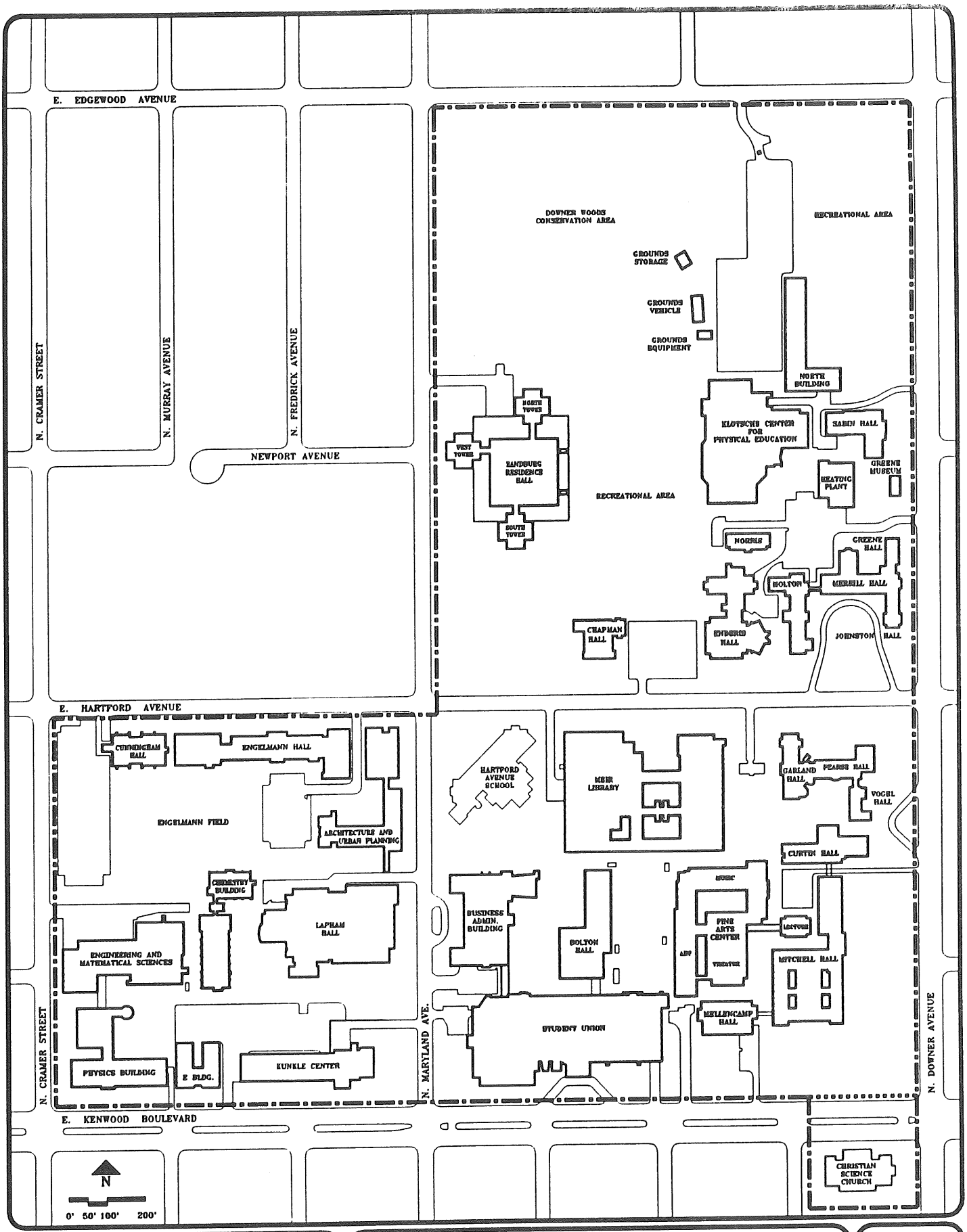
Land Holdings

The UW-Milwaukee main campus is confined to 90 contiguous acres, of which only 72 acres can be developed. Approximately 18 acres, known as the Downer Woods, are protected by law. The present "L" shaped campus evolved between 1956 and 1965 through a series of purchases of neighboring institutions. The Campus Development Plan proposes one change to the campus boundary to include the Christian Science Church property if this acquisition is supported by the Community, the Board of Regents and the State Building Commission.

Building Space

Building space is a valuable resource on the Milwaukee campus and is managed as part of the campus planning process. UW-Milwaukee classrooms and labs have constantly met or surpassed the UW System standards for utilization. The management of existing space and future space needs are detailed within the framework of The Campus Space Use Plan through analysis of alternatives to obtain the most effective solutions.

Seven of the eleven Downer Buildings were remodeled during the 1980's. This improved space quality but did not add to the quantity of space. The new space that was constructed focused on the specific needs of the Library and the Student Union. The campus space shortage increased as no new facilities were constructed for instruction or research for almost a decade. During this period research funding increased by 250%.



UNIVERSITY OF WISCONSIN MILWAUKEE

Plan Enrollment: 24,507 (16,087 FTE)

CAMPUS DEVELOPMENT PLAN

Plan Boundary —·—·— Existing Boundary ·····

UWM

Recent Capital Budget requests have sought to alleviate the critical campus space shortage through construction of new space. The Lapham Hall Science Center Addition will provide a central analytical facility for research when completed during 1992. Construction began in 1991 on the new Architecture and Urban Planning Building and the construction for the new Business Administration Building has begun in spring of 1992.

The Campus Space Use Plan focuses on the planning issues which will be addressed in the next decade. After the new Science, Architecture and Business facilities are occupied, the planned reprogramming of the released space will address additional space needs through renewal and remodeling. This "backfill approach" is critical to the sequential implementation of proposed projects.

Major Planning Issues

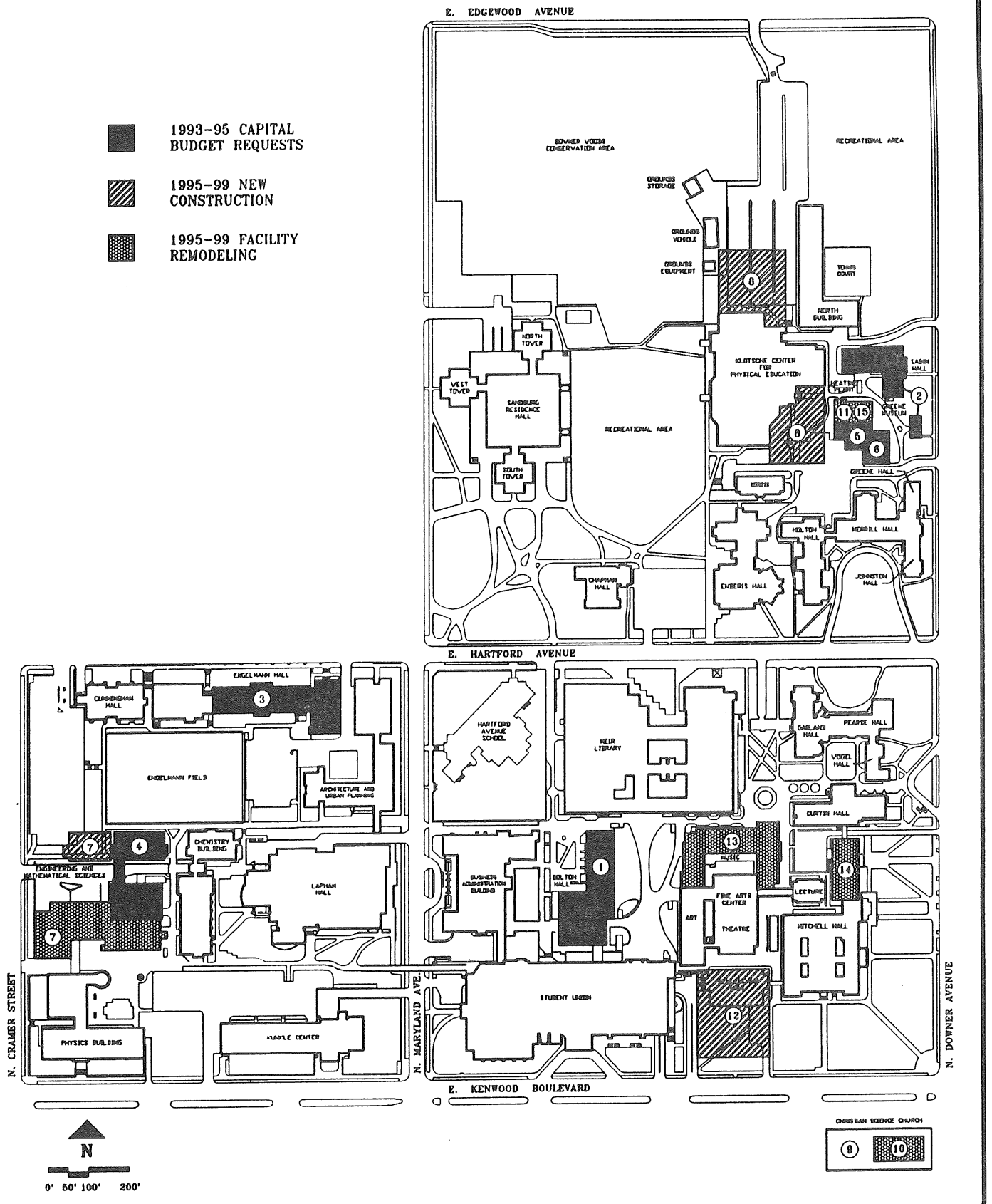
Reprogramming of Reallocated Space
Completion of Downer Building Remodeling
Consolidation of Off-Campus Programs on the Main Campus Continued
Modernization of Instructional and Research Facilities
Intramural, Recreation and Special Need Space Requirements
Expansion of University Parking and Transit Programs

1993-99 LONG RANGE CAPITAL DEVELOPMENT PLAN
Six Year GPR Major Project List

PLANNING AND CONSTRUCTION FUNDING 1993-95		ESTIMATED COST
1.	Bolton Hall Remodeling	$5,993,000
2.	Sabin Hall and Greene Museum Remodeling	$9,000,000
3.	Engelmann Remodeling	$5,700,000
4.	EMS Building Addition & Remodel Phase I	$21,200,000
5.	Primary Electrical Distribution Phase III & IV	$2,535,000
6.	Zebra Mussel Control For Lake Cooling Water	$250,000

PLANNING AND CONSTRUCTION FUNDING 1995-97		ESTIMATED COST
7.	EMS Building Addition & Remodel Phase II	$15,000,000
8.	Klotsche Center Addition and Remodeling	$14,000,000
9.	Land Acquisition: Christian Science Church	$500,000
10.	Christian Science Church Restoration	$4,600,000
11.	Heat Plant Boiler Breeching Modifications	$800,000

PLANNING AND CONSTRUCTION FUNDING 1997-99		ESTIMATED COST
12.	Fine Arts Music Building	$18,000,000
13.	Remodel Existing Fine Arts Music Building	$5,500,000
14.	Mitchell Hall North Wing Remodeling	$8,000,000
15.	Central Heat Plant Upgrade	$2,000,000



UNIVERSITY OF WISCONSIN MILWAUKEE
Department of Planning and Construction

CAPITAL DEVELOPMENT PLAN

1993 - 1999

UWM

Fire Alarm/Smoke Detection
Upgrade Project, UW-Eau Claire

PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Resolution:

That, upon the recommendation of the UW-Eau Claire Chancellor and the President of the University of Wisconsin System, authority be granted to construct a Fire Alarm/Smoke Detection Upgrade project for an estimated total project cost of $587,800 from General Fund Supported Borrowing - Health and Safety Funds ($338,600) and Program Revenue - Housing Funds ($249,200).

UNIVERSITY OF WISCONSIN SYSTEM

Agency Request for
Board of Regents Action

May 1992

1. Institution: The University of Wisconsin - Eau Claire

2. Request: Requests authority to construct a 1991-93 Campus Fire Alarm/Smoke Detection Upgrade project, on the campus at UW-Eau Claire, for an estimated total project cost of $587,800 ($338,600 General Fund Supported Borrowing - Health & Safety and $249,200 of Program Revenues - Housing Funds).

3. Description and Scope of Project: This project will replace the existing obsolete, undependable fire alarm systems with new fire alarm systems in seven academic buildings (Phillips Hall, Schneider Hall, Fine Arts, Nursing, Allied Health Center, Hibbard Humanities, and the Brewer Complex); the Davies Center and Towers Hall. The project will also furnish a central reporting system. Work recommended by the consultant in the Campus-Wide Fire Protection Study (project #9101-51) includes:

   1. Installation of battery back-up power supplies in all panels.
   2. Installation of visual (strobe) alarm indicators in all areas to comply with the Americans with Disabilities Act (ADA).
   3. Installation of voice (EVAC) systems in the Towers Residence Hall.
   4. Installation of smoke detectors in all corridors of the Towers Residence Hall and classroom buildings where labs exist.
   5. Installation of automatic detectors (heat or smoke) in all storage closets above the first floor.
   6. Installation of alarm initiation circuits in the Towers Residence Hall to differentiate between the type of initiation devices (manual pull stations, or automatic heat or smoke detectors).
   7. Installation of smoke detector alarm circuits with alarm verification to minimize nuisance alarm signals.
   8. Relocation of manual pull stations to accommodate handicapped requirements.
   9. Installation of tamper proof screws in all fire alarm devices in public areas.
   10. Installation of building air handling units with duct smoke detectors to signal and shut down the air handling unit when smoke is detected.
   11. Provision of signal identification signage at building entrances for use by staff and fire fighters to indicate which fire zone is in alarm.

4. Justification of the Request:

A consultant was hired in January 1991 to evaluate the existing fire alarm and smoke detection systems in campus buildings. This project

will upgrade fire alarm and smoke detection systems in all of the university's academic facilities with the exception of the McIntyre Library, which will be upgraded with the Library addition and remodeling project currently underway. This project will also include upgrades to the fire alarm and smoke detection systems in the Towers Hall, a ten-story residence facility housing approximately 1,300 students, and the Davies Center. The remaining six residence halls are four-story dormitories which were upgraded with new fire alarm systems about four years ago. The campus physical plant staff will install additional strobes and audible signals in those buildings as required by ADA.

The fire alarm control panel in the Towers Residence Hall is an Autocall coded system that was installed in 1967 when the building was constructed. An ADT "Unimode" system was installed in 1971 to operate the corridor smoke detectors. The fire alarm system does not comply with the current high-rise fire alarm code, nor with the requirements of ADA. The existing system does not provide voice communications which is required by present fire code for high rise dorms to facilitate evacuations during emergency conditions. Existing smoke and heat detection are lacking in coverage and do not comply with state requirements. The present system utilizes mechanical relays that require much more service than the new solid state systems that are now required by the National Fire Protection Association (NFPA). Parts for the old mechanical systems are difficult to locate and carry high prices when found. The new system will also provide features that greatly reduce false alarms and enable immediate determination of alarm location, as well as providing maintenance efficiencies and economies.

The academic buildings and the Davies Center also have old mechanical relay systems with the same problems outlined above. This project will also bring these buildings into compliance with the ADA requirements. The new fire alarm systems will include additional smoke detection with a central reporting interface to provide a much higher degree of protection, especially during evening hours and weekends.

5. Budget: The estimated project cost outlined in the consultant's study is summarized as follows:

	GPR Facilities	PR Facilities
1. Construction:	$277,500	$204,300
2. Architect/Engineer:	18,200	16,300
3. DFD:	15,100	8,200
4. Contingency:	27,800	20,400
5. Total:	$338,600	$249,200
6. Total GPR & PR:	$587,800	

6. Previous Action: None.

Approval to Renew Lease
of Office/Storage Space
(333 North Randall Avenue),
UW-Madison

PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Resolution:

That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, authority be granted to extend the current lease of office and storage space located at 333 North Randall Avenue, Madison, for use by various College of Engineering programs and University Archives:

Lessor: The University of Wisconsin Foundation
P. O. Box 8860
Madison, WI 53708-8860

The current lease for approximately 11,316 square feet (SF) of space located at 333 North Randall Avenue expires on June 30, 1992. The lease will be extended for a three-year period beginning July 1, 1992 through June 30, 1995, and will provide for continued use of 9,617 SF for offices and 1,699 SF for storage by various College of Engineering programs and University Archives.

The annual cost for the first year of the lease will represent an increase of approximately three percent over the current annual rental rate of $106,824.40 (approximately $10.62/SF for office space and $2.77/SF for storage). Annual rental costs for the remaining two years of the lease will reflect a similar increase over the previous year's rate. The following table reflects the proposed lease costs:

Term of Lease	Annual Rental	Annual Increase	Approx. Cost/SF Office	Approx. Cost/SF Storage
July 1, 1992 - June 30, 1993	$110,034.50	2.92%	$10.94/SF	$2.85/SF
July 1, 1993 - June 30, 1994	$113,208.11	2.81%	$11.27/SF	$2.94/SF
July 1, 1994 - June 30, 1995	$116,477.89	2.81%	$11.60/SF	$3.03/SF

All other provisions of the base lease contract remain unchanged. The University will continue to fund the costs of electricity, custodial services and supplies, and snow and trash removal. Those expenses amount to approximately $1.50/SF. Rental payments and other occupancy costs will continue to be funded by UW-Madison's General Purpose Revenue Operating Budget.

UNIVERSITY OF WISCONSIN SYSTEM

Agency Request for
Board of Regents Action

May 1992

1. Institution: The University of Wisconsin - Madison

2. Request: Requests authority to extend the current lease for 11,316 square feet of space located at 333 North Randall Avenue, Madison, Wisconsin, for use by various College of Engineering programs and University Archives.

Lessor: The University of Wisconsin Foundation
P. O. Box 8860
Madison, WI 53708-8860

3. Lease Information: The current lease for approximately 11,316 square feet (SF) of space located at 333 North Randall Avenue expires on June 30, 1992. The lease will be extended for a three-year period beginning July 1, 1992 through June 30, 1995, and will provide for continued use of 9,617 SF for offices and 1,699 SF for storage by various College of Engineering programs and University Archives.

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July 1, 1994 - June 30, 1995	$116,477.89	2.81%	$11.60/SF	$3.03/SF

All other provisions of the base lease contract remain unchanged. The University will continue to fund the costs of electricity, custodial services and supplies, and snow and trash removal. Those expenses amount to approximately $1.50/SF. Rental payments and other occupancy costs will continue to be funded by UW-Madison's General Purpose Revenue Operating Budget.

4. Justification:

UW-Madison has leased office and storage space at 333 North Randall Avenue since 1979. The office space currently supports 38 FTE positions in the College of Engineering's Center for Space Commercialization research program and Departments of Chemical Engineering, Electrical and Computer Engineering, Civil and Environmental Engineering, and Engineering Mechanics, and University Archives. This facility is an ideal location for the College of Engineering staff because it is located within one city block from the "engineering campus" site and programs. The leased space at 333 North

Randall will continue to be needed for various Engineering programs until completion of an Engineering Centers Building. The new facility, estimated at approximately $50 million project, is enumerated in the WISTAR program among several projects requiring an overall contribution of 50% in extramural funds. It is anticipated that the new facility will take several years to implement.

The 1,699 SF of basement storage space is used by University Archives for retention of UW-Madison records. The storage space continues to serve the needs of University Archives because of its central location, accessibility, and climate-controlled environment. This lease covers about 82% of the building. The only other tenant is the UW Credit Union which is located on the first floor.

Due to its ideal location, this property has potential to meet a variety of needs such as surge space for various functions impacted by the WISTAR program. The site could also be incorporated into long range planning for use as a construction site. Therefore, the University would like to assume ownership at some time in the future. Preliminary discussions are underway to determine whether acceptable terms can be negotiated with the Foundation. If agreement can be reached, the purchase request would be submitted for further Regent consideration at the appropriate time.

5. Previous Action:

December 14, 1979 Resolution #2052	Authorized the lease of 1,699 SF of storage space for University Archives and 3,427 SF of office space from January 1, 1980 through December 31, 1981, at an annual cost of $26,459.
October 9, 1981 Resolution #2495	Approved a lease amendment to include 3,200 SF of additional office space from November 1, 1981 through December 31, 1981, at an annual cost of $21,600.
December 10, 1982 Resolution #2732	Authorized renewal of the lease of 1,699 SF of storage space and 6,617 SF of office space from January 1, 1983 through June 30, 1983, at a six-month cost of $24,029.
June 10, 1983 Resolution #2848	Authorized the lease of 7,081 SF of office and storage space from July 1, 1983 through June 30, 1986, at an annual cost of $47,304 the first year and $48,649 the second and third years.
December 8, 1983 Report of Non-Personnel Actions	Reported the lease of 1,235 additional SF of space to be occupied January 4, 1984, at a revised total annual cost of $57,184 the first year and $58,838 the second and third years.
June 6, 1986 Resolution #3573	Authorized renewal of the lease of 1,699 SF of storage space and 6,617 SF of office space from July 1, 1986 through June 30, 1989, at an annual cost of $63,801 the first year, $65,455 the second year, and $67,534 the third year.

November 7, 1986 Resolution #3676	Amended the lease to include an additional 3,000 SF of office space from December 1, 1986 through June 30, 1989, at an additional monthly cost of $2,375 for the first six months, and $29,100 and $29,850 for the subsequent two years, respectively.
May 5, 1989 Resolution #5226	Renewed the lease for 9,617 SF of office space and 1,699 SF of storage space for a three-year period from July 1, 1989 through June 30, 1992 at an annual rental rate of $100,692.24 the first year, $103,713.00 the second year, and $106,824.40 the third year.

Authority to Construct Camp Randall Stadium Structural Repair - Phase 2 Project, UW-Madison

PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Resolution:

That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, authority be granted to construct a Camp Randall Stadium Structural Repair - Phase 2 project, at an estimated total cost of $675,000 ($540,000 General Fund Supported Borrowing - Facilities Repair and Renovation) and Program Revenues ($135,000).

UNIVERSITY OF WISCONSIN SYSTEM

Agency Request for
Board of Regents Action

May 1992

1. Institution: The University of Wisconsin - Madison

2. Request: Requests authority to construct a 1991-93 Camp Randall Stadium Structural Repairs project, on the campus at UW-Madison, at an estimated total project cost of $675,000 ($540,000 General Fund Supported Borrowing - Facilities Repair and Renovation and $135,000 Program Revenues).

3. Description and Scope of the Project: The proposed project will consist of three major components, including: (1) removing the seats, support brackets and approximately one half of the concrete stands below the vomitories in Section A and Section I, stabilizing the soil under these sections, adding a new base consisting of sand and gravel-type materials, adding pilings or foundations as necessary, and forming and pouring new concrete stands; (2) waterproofing the lower portion of the west stands with a multi-part multi-layered polyurethane or rubberized membrane system, and replacing the wood/fiberglass covered seating on the lower deck of the west stands (Sections A through L) and the wood seating on the upper deck (Sections AA through LL); and (3) repairing and/or replacing leaking storm drains that serve the lower portion of the east stands and gutters that are located below the north stands.

4. Justification of the Request: During 1987, a Camp Randall Stadium East Stands Repairs project (#8406-21) was undertaken and included structural repairs, waterproofing, seat replacement, and tuckpointing essentially in Sections M through Z, at a cost of $1,300,000 ($910,000 General Fund Supported Borrowing - Minimum Maintenance and $390,000 Program Revenues). The East stands work occurred over occupied spaces and involved structural steel reinforcements and repairs, resulting in costs substantially higher than the estimated cost of this project.

   In May 1989, a structural engineering consultant was hired to identify additional structural repairs needed to prolong the life of Camp Randall Stadium. The consultant provided corrective maintenance and repair recommendations and determined priorities, as follows:

	Description	Priority
A.	Steel beam structure on the north and west sides of the Stadium;	1
B.	Press Box roof;	1
C.	Sections A and I concrete stands;	2
D.	Seating Replacement and Waterproofing of concrete stands;	3
E.	Interior drains at vomitories, and gutter systems;	2
F.	Wall tuckpointing;	3
G.	Doors and windows.	2

The three priority levels identified in the September 1990 report, (Project #8906-14), called for corrective action within the following timeframes: Priority 1 - within 12 months (September 1991); Priority 2 - within 30 months (May 1993); and Priority 3 - within 48 months (November 1994).

Items A and B have already been addressed as follows:

Steel Beam Structure and Press Box Roof
Repairs to the steel beam structure on the north and west sides of the Stadium and the Press Box roof were authorized in 1990 under the Small Projects Program (Project No. 9012-41) and were completed at a cost of $77,300 ($61,395 General Fund Supported Borrowing - Maintenance and $15,905 Program Revenues).

This proposed project will address Items C, D and E, as noted:

Sections A and I Concrete Stands: (Item C)
The West concrete stands, below the vomitory level, are constructed as an on-grade structure, i.e., directly supported by the soil underneath. Over the years, some of the soil materials have moved resulting in differential settlements within Section A and Section I of the West stands. These displacements range from 1.25 inches horizontally to 5.5 inches vertically, making alignment of the seating difficult, and presenting a potential for tripping. Concrete stands replacement will occur only in the portions of Section A and Section I located below the vomitories where concrete structure displacements have occurred. The displacement affects about one half of the sub-vomitory area of each Section (A and I). In order to replace the concrete stands, it will first be necessary to remove the seats and brackets; therefore, seating replacement and waterproofing will be done in conjunction with correction of the structural deferential.

Seating Replacement and Waterproofing: (Item D)
Sections A through L of the lower deck contain seating which consists of wood planks with a fiberglass reinforced cover. The red-painted surface of the seating is worn and peeling off, exposing the fiberglass veil and glass splinters which cause snagging, pinching, and skin irritation. Eventually, the fiberglass cracks, allowing water penetration and causing deterioration of the wood plank base. In addition, the support brackets are rusted and the anchor bolts are deteriorated. Longitudinal cracks on the upper deck wood seating (Sections AA through LL) are developing splinters. The consultant has recommended that these lower sections and the upper deck seating be replaced with aluminum plank. This will complete seat replacement for the entire Camp Randall facility.

The concrete surfaces on the lower West stands have numerous surface cracks which allow water penetration. The proposed polyurethane waterproofing will bond and soak into the concrete pores to repel water. If waterproofing is not applied to prevent further structural deterioration, the concrete will continue to spall and expose the reinforcing steel and could necessitate extensive structural repairs.

Interior Drains and Gutter Systems: (Item E)
Drains are located at each vomitory to carry rain water through the drain pipes into the storm sewer rather than directly onto the football field. Some of these drain pipes have developed leaks at various locations below the East stands (Sections M - X), causing water problems

for the offices which are located below. These drains and drain pipes will be tested for water tightness and repaired or replaced as appropriate.

Expansion joints are located at the middle of Seating Sections J through M along the North side of the stadium. Rain gutters are installed directly beneath these expansion joints to prevent rain water from pouring down onto the underside of the North stands. These gutters are dented, dislocated and deteriorated, and require repair or replacement.

Approval is requested at this time so that bidding documents can be prepared and construction can be underway as early as possible in 1993 for completion prior to the Fall 1993 football season. The Athletic Department has included the $135,000 Program Revenue expenditure in their 1992-93 Budget.

Items F and G, noted above, will be addressed in a subsequent project:

Wall tuckpointing/Window Replacement and Door Frame Repair
Other stadium structural repairs that have been recommended by the consultant include wall tuckpointing, window replacement and door frame repair. It is anticipated that these repairs, which are estimated at a cost of approximately $255,000, will be accomplished later in the 1993-95 Biennium.

Additional maintenance and repair needs for Camp Randall Stadium not included in the scope of the recent structural study include renovation of the east and west restrooms; replacement of the East Stadium handrails, HVAC system, fire alarm, and chilled water; and repairs to the East Stadium entrance. These projects are estimated at a cost of approximately $4.1 million, of which 20% would be funded by Athletic Department Program Revenues. This work is tentatively scheduled for implementation during the 1993-95 Biennium. The Athletic Department's Six-Year Plan also envisions that minor office remodeling ($62,000) and installation of an additional elevator ($300,000) will occur during the 1993-95 Biennium, using a combination of Program Revenues and Gift funds.

5. Budget:

1.	Construction:		
	(a) Concrete Stands Replacement:	$129,800	
	(b) Seat Replacement and Waterproofing:	393,200	
	(c) Drains and Gutters:	16,000	
	(d) Total Construction:		$539,000
2.	Architect/Engineer:		43,000
3.	DFD Supervision:		21,500
4.	Contingency:		71,500
5.	Total Estimated Project Cost:		$675,000

6. Previous Action: None.

Approval to Name Building,
UW-Madison

PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Resolution:

That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, authority be granted to name the Molecular Biology and Molecular Virology Building at 1525 Linden Drive the "Robert M. Bock Laboratories."

UNIVERSITY OF WISCONSIN SYSTEM

Agency Request for
Board of Regents Action

May 1992

1. Institution: The University of Wisconsin - Madison

2. Request: Request authority to name the UW-Madison Molecular Biology and Molecular Virology Building at 1525 Linden Drive the "Robert M. Bock Laboratories."

3. Justification: Robert M. Bock received both his undergraduate and graduate training at the University of Wisconsin-Madison. Following receipt of his Ph.D. in 1952, he was appointed to the faculty and spent his entire academic career at the University. He was professor of biochemistry and, from 1965, professor of molecular biology as well. In 1967, Robert Bock was appointed Dean of the Graduate School. He directed the thesis research of masters and Ph.D. students in biochemistry and continued to maintain an active laboratory and to train graduate students throughout his career.

   Dean Bock, a pioneer in molecular biology, led in the establishment of the molecular biology program at the University of Wisconsin-Madison. In studying the process of protein synthesis during the early 1960's, he and his students were the first to crystallize a transfer ribonucleic acid (RNA). The hanging-drop process for crystallization developed by Dean Bock during this work has been widely adopted by crystallographers throughout the world.

   From 1970 to 1987, Dean Bock was Science Advisor to four governors. He served as co-chair of the Governor's Ad Hoc Committee to Evaluate Project Sanguine; as a member of the University Corporation for Atmospheric Research; and as a founding member of the Board of Directors of Wisconsin for Research. As Dean of the Graduate School, he led the effort to obtain funds to establish the University of Wisconsin-Madison's Biotechnology Center.

   At a national level, Dean Bock was elected chair of the Biological Division of the American Chemical Society; president of the Association of Graduate Schools; chair of the Committee on Public Policy, American Society of Biological Chemists; member and, later, chair of the Public Affairs Committee of the Federated American Societies for Experimental Biology; chair of the National Academy of Science committee on the vitality of academic research; and chairman of the Council on Research Policy and Graduate Education of the National Association of State Universities and Land Grant Colleges.

   After retiring as Dean of the UW-Madison Graduate School in 1989 and until his death in 1991, Robert M. Bock served as the Director of the

University-Industry Research Program, thus capping a long career devoted to the promotion of scientific research. Throughout his life as a scholar and researcher, Dean Bock devoted his scientific abilities and administrative skills to the promotion of research, particularly in areas of use to humanity and the people of Wisconsin.

It is fitting and becoming to name the Molecular Biology and Molecular Virology Building after Robert M. Bock, naming it the "Robert M. Bock Laboratories." His role in the development of molecular biology and molecular virology at the University of Wisconsin-Madison was crucial. He served as chair of the Building Committee for the Molecular Biology and Molecular Virology Building (originally known as "Molecular Biology and Biophysics") which was constructed in 1967. The research done in this building is based in large part on Robert M. Bock's contributions to science. Honoring him by giving his name to this building will both perpetuate the memory of an eminent teacher and researcher and symbolize the excellence of the achievements on this campus in these two important areas of science.

Regent Policy requires that the proposed naming or dedication of facilities be presented to the Physical Planning and Development Committee and the full Board of Regents for discussion in closed session at least one month prior to requesting formal Regent action. The Regent Policy states that if the request involves a living individual who has been formally associated with the University of Wisconsin System, or has held a paid public office, a five-year waiting period is normally required unless a situation is presented where a gift stipulates the naming. The proposed naming is not a condition of a gift. Dean Bock died accidentally in 1991.

4. Previous Action: In accordance with Board policy, this item was discussed in closed session of the Physical Planning and Development Committee and the full Board of Regents at their April 1992 meetings.

Approval of Minor Project,
UW-Madison

PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Resolution:

That, upon the recommendation of the UW-Madison Chancellor and the President of the University of Wisconsin System, authority be granted to construct an Engineering Undergraduate Electronic Microfabrication Laboratory at an estimated cost of $200,000 General Fund Supported Borrowing - Facilities Repair and Renovation Funds.

UNIVERSITY OF WISCONSIN SYSTEM

Agency Request for
Board of Regents Action

May 1992

1. Institution: The University of Wisconsin - Madison

2. Request: Requests authority to construct a 1991-93 Engineering Undergraduate Electronic Microfabrication Laboratory project on the campus at UW-Madison, for an estimated total cost of $200,000 General Fund Supported Borrowing (Facilities Repair and Renovation).

3. Description and Scope of the Project:

This project will convert an existing 600 square feet solid state research facility (Room 2444, Engineering Building) into an undergraduate electronic microfabrication laboratory.

The work will involve installation of a grounded electrical power distribution system; modification of a portion of the lab to provide class 10 clean room space; appropriate plumbing for cold and de-ionized water and compressed air; installation of lighting for photolithography; and proper storage facilities for chemicals.

4. Justification of the Request:

There are approximately 150 students per semester taking four undergraduate courses in Electrical Computer Engineering related to integrated circuit fabrication and testing. No central facility currently exists for these courses. Now the laboratories are held in four makeshift laboratories in unused storage space and, when available, with borrowed faculty research equipment. The result has been a compromised education for the undergraduate electrical engineer. Equipment is shuttled between these labs to accommodate the current lab courses.

The proposed project will consolidate undergraduate instruction on integrated circuit fabrication and testing, bring together current equipment, allow for the efficient purchase of additional equipment, and enhance the quality of the course contents. The solid state research activities formerly housed in this room are being relocated as a result of the major Engineering Building Addition and Remodeling project.

This project is a small part of the overall long range space use plan for the College of Engineering. It is important that this project proceed at this time to coordinate work with the Total Facilities Performance project currently in design.

5. Budget:

1.	Construction:		$175,000
2.	Design and Supervision		
	a) Architect/Engineer:	14,000	
	b) DFD:	7,000	
	c) Total:		21,000
3.	Contingency:		4,000
4.	Total Project Cost:		$200,000

6. Previous Action:

None

Approval to Construct the
Golda Meir Library Fire
Alarm Upgrade project,
UW-Milwaukee

PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Resolution:

That, upon the recommendation of the UW-Milwaukee Chancellor and the President of the University of Wisconsin System, authority be granted to construct the Golda Meir Library Fire Alarm Upgrade project for an estimated total project cost of $250,000 of General Fund Supported Borrowing - Health and Safety Funds.

UNIVERSITY OF WISCONSIN SYSTEM

Agency Request for
Board of Regents Action

May 1992

1. Institution: The University of Wisconsin - Milwaukee

2. Request: Requests authority to construct a Golda Meir Library Fire Alarm Upgrade project, on the campus at UW-Milwaukee, for an estimated total cost of $250,000 of General Fund Supported Borrowing - Health and Safety.

3. Description and Scope of the Project: The proposed project will replace all detectors and other activation devices with sensing/activation equipment which is reported as a "point" to a new multiplex panel fire alarm system. This will allow testing of alarm points and facilitate maintenance procedures. The existing fire alarm control panels will be replaced with a single panel with an annunciator at the fire department entrance. The new system will include a voice/enunciation signal which will allow emergency evacuation procedures to be controlled by campus personnel and the fire department. A new strobe signal system will be included to meet ADA requirements.

4. Justification of the Request: The 376,071 GSF/270,530 ASF Golda Meir Library was constructed in 1967, with an addition in 1988 and is the only library facility on the Milwaukee campus. It contains some 3.6 million bibliographic items in its collection, many of which are one-of-a-kind and irreplaceable. The collection was recently valued at approximately $220,000,000. This facility has an FTE staff of over 150 employees. In addition, 1.5 million people use the facility's resources each year.

The existing fire alarm system is composed of a mixture of fire alarm control panels, including a mechanical relay panel with panel coding in the original building; a smoke detector interface panel added in 1983 to address code-required basement corridor smoke detection; and a fairly new fire alarm system, approximately three years old, which was installed when the addition to the Library was constructed. The Library addition added approximately 750 smoke detectors. The new system will replace all smoke detectors, heat detectors and pull stations with intelligent devices that will report to a single control center facilitating emergency control and maintenance schedules. The existing detectors, once removed, will be used as spare parts for several of the other detection systems on campus.

It was planned that modifications to the fire alarm system in the Golda Meir Library would be performed under the Campus-wide Fire Alarm /Smoke Detection System Renovation project (8710-13). The work in the Library was postponed due to concerns expressed by the Library

staff regarding the adequacy of the proposed upgrade, and insufficient funds in the campus-wide project to accomplish the scope of work in the request.

The existing problems are mainly related to acknowledgment of the alarms and in the maintenance of the initiation devices. The system for the Library initially designed under the campus-wide project would have consolidated all existing panels into a single control unit and would have provided visual annunciation at only two locations. There was dissatisfaction with the fact that the existing zones were not split into more definable (smaller) zones or structured as a multiple zone system similar to those installed in the Student Union and Sandburg Hall.

A system integrating all initiation devices (pull stations, smoke, heat, duct and stand pipe flow detectors) into a central response station will provide responding emergency personnel (fire, police and ambulance) with the exact location of the activated alarm. Trained Library personnel will also be able to monitor the fire alarm system and provide assistance and evacuation direction to the occupants over the public address system.

5. Budget: Our estimate of the project cost is summarized as follows:

Tentative Budget

1.	Construction:		$206,000
2.	Design and Supervision:		
	a) A/E:	16,000	
	b) DFD:	8,000	
	c) Total D & S:		24,000
3.	Contingency:		20,000
4.	Estimated Project Cost:		$250,000

6. Previous Action:

9/9/88: Resolution 5033:	Granted authority to bid and construct a Fire Alarm/Smoke Detection Systems Renovation project for UW-LaCrosse and UW-Milwaukee at a total cost of $1,105,200 ($669,600 GFSB-Health, Safety and Environment and $435,600 Program Revenues). (The UW-Milwaukee portion of the project totalled $649,200).

Subsequent action by the State Building Commission increased the UW-Milwaukee portion of the project to $761,000.

Approval of Land Transfer to
Town of Hubbard, Dodge County,
Wisconsin, UW-Milwaukee

PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Resolution:

That, upon the recommendation of the UW-Milwaukee Chancellor and the President of the University of Wisconsin System, authority be granted to transfer 44 acres of land owned by the University of Wisconsin-Milwaukee to the Town of Hubbard, Dodge County, Wisconsin, with a $1.00 transfer fee to be paid by the Town of Hubbard. The detailed legal description of this property is on file in the office of the Secretary of the Board of Regents.

UNIVERSITY OF WISCONSIN SYSTEM

Agency Request for
Board of Regents Approval

May 1992

1. Institution: The University of Wisconsin - Milwaukee

2. Request: Requests approval to transfer approximately 44 acres of land owned by the University of Wisconsin - Milwaukee to the Town of Hubbard in Dodge County. A $1.00 transfer fee will be paid by the Town of Hubbard for this transaction.

3. Description and Scope: The land to be transferred to the Town of Hubbard consists of approximately 44 acres known collectively as the Neda Mines. The property is located approximately 40 miles northwest of the UW-Milwaukee campus in Dodge County, five miles southeast of Horicon.

4. Justification: The Neda Mines is an abandoned iron mine where shaft and open pit mining occurred from the mid-1800's until 1914. Over time, the old mine shafts and tunnels collapsed providing "cave" habitat for at least three species of bats. Each species of bat has its own preferred area depending upon temperature and air flow. More than 50,000 bats have been estimated hibernating in the maze of mine shafts, making the Neda Mines the home of the twentieth largest hibernating bat population in the world. This makes the mines a valuable environmental resource and led to the designation of the site in 1978 as a State Natural Area.

   The property was gifted to the University, through the Nature Conservancy, by U.S. Steel in 1976. The property is managed by UW-Milwaukee's Cedar Sauk Field Station, located just north of Milwaukee in Saukville. UW-Milwaukee's Department of Geological Sciences uses this property to study rock formations. However, due to its remote location from both the campus and the managing field station, efforts to control public trespass and maintain the property are difficult. Resources to maintain the mines are unavailable to the University.

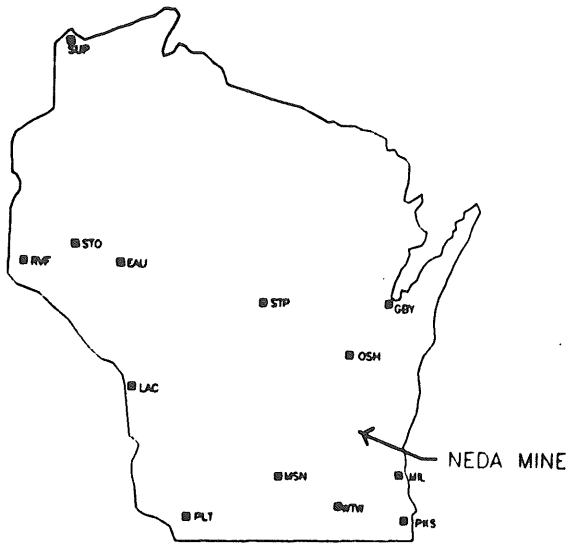
   The Town of Hubbard is interested in assuming ownership of the entire 44-acre parcel and intends to use approximately two (2) acres of the land for reconstruction of a town road (see attached map). The land has minimal market value since its designation as a State Natural Area precludes significant development. Except for the road improvements, the Town of Hubbard will retain the property in its current natural state and the site will remain available to the University for its research and instructional programs.

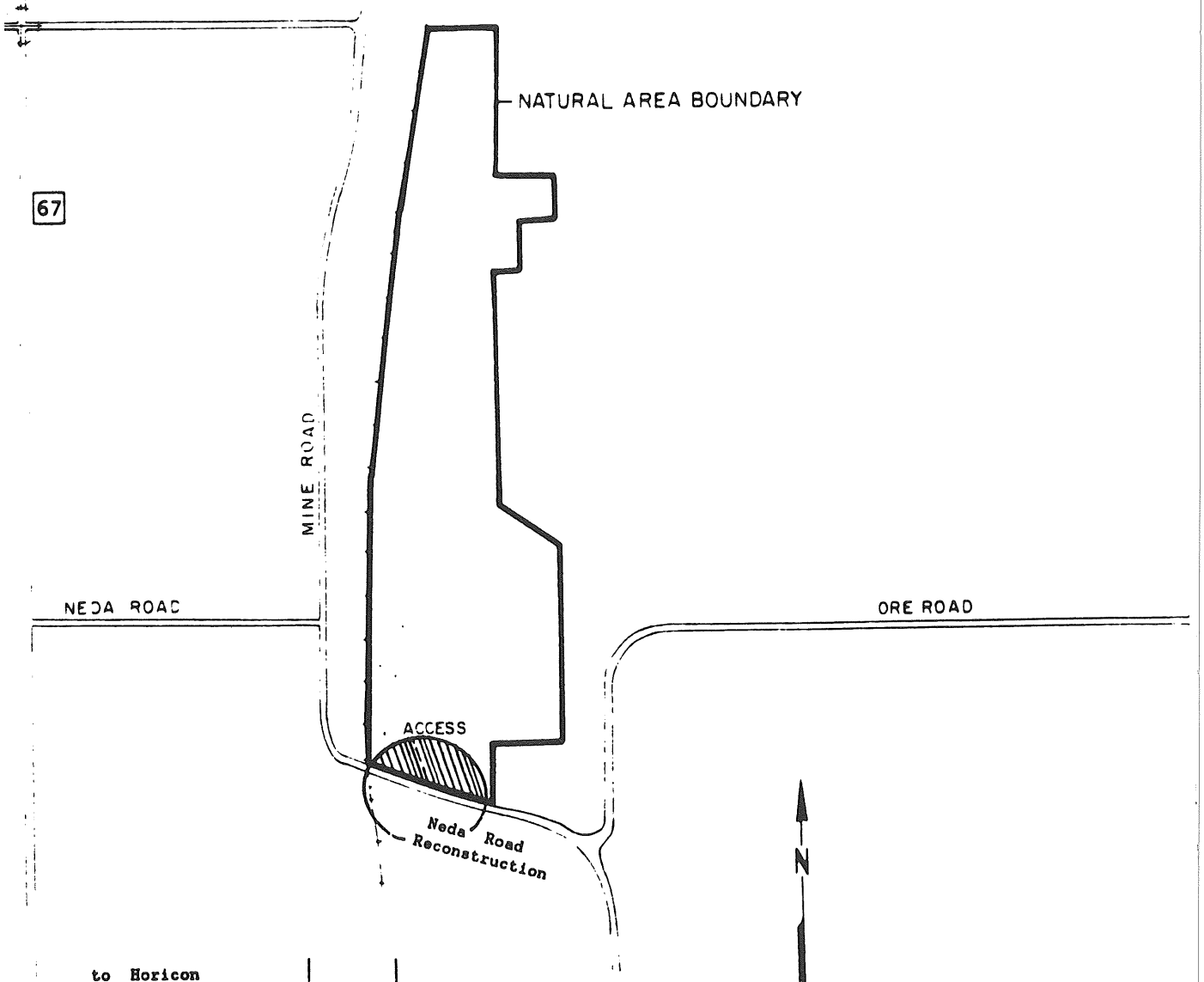
   UW-Milwaukee will retain mineral rights to this property.

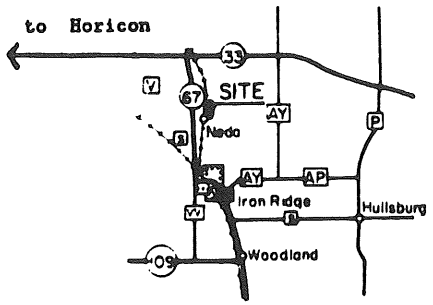
5. Previous Action:

06/11/76 (Resolution 1258)	-	Gifts, Grants and U.S. Government Report accepted. Included, as a gift-in-kind, were two parcels of property in Dodge County, from U.S. Steel Co., through the Nature Conservancy, Minneapolis. This included the 44-acre Neda Mine property and a 63-acre beech woods area.

NEDA MINE
STATE NATURAL AREA







LOCATOR MAP – DODGE CO.

Approval to Construct Steam Distribution/Condensate Return Line Replacement Project, UW-Platteville

PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Resolution:

That, upon the recommendation of the UW-Platteville Chancellor and the President of the University of Wisconsin System, authority be granted to construct a Steam Distribution/Condensate Return Line Replacement project, at an estimated total project cost of $523,400 of General Fund Supported Borrowing - Utilities Repair and Renovation Funds.

UNIVERSITY OF WISCONSIN SYSTEM

Agency Request for
Board of Regents Action

May 1992

1. Institution: The University of Wisconsin - Platteville

2. Request: Requests authority to construct a 1991-93 Steam Distribution/ Condensate Return Line Replacement project, on the campus at UW-Platteville, at an estimated total project cost of $523,400, using General Fund Supported Borrowing - Utilities Repair and Renovation Funds.

3. Description and Scope of Project:

The proposed project will provide for the replacement of a total of approximately 1,678 lineal feet (LF) of underground steam distribution/condensate return conduit at six locations on campus, described as follows:

(a) Approximately 367 LF from Pit #7 (southeast of Boebel Hall) to Pit #8 (northeast of the Williams Fieldhouse). The existing type of construction used in this section of the distribution system is known as "Z-crete."

(b) Approximately 463 LF from Pit #16 (northwest of Ottensman Hall) through Pit #17 and into the Central Heating Plant, of "Permaduct" type construction.

(c) Approximately 75 LF from Pit #7 (southeast of Boebel Hall) into Boebel Hall, of "Z-crete" type construction.

(d) Approximately 506 LF from Pit #12 (northeast of Brigham Hall) through Pits #13 and 14 and into Royce Hall. This section is of "Z-crete" construction.

(e) Approximately 220 LF from Pit #2 (northeast of the Art Building) to Doudna Hall, of "Z-Crete" construction.

(f) Approximately 47 LF from Ullrich Hall to the Art Building. This section is "concrete box" type construction.

The work proposed for these six areas will involve: (1) excavating to expose the existing conduit systems; (2) removing the high-pressure steam distribution and condensate return lines, and associated encapsulating materials; (3) installing new concrete box conduit systems complete with new high-pressure steam lines (where required), condensate return lines, anchors, guides and support rollers; (4) insulating the steam and condensate return lines with a conventional pipe insulation; (5) sealing the conduits with a concrete slab cap; (6) waterproofing all exposed concrete surfaces; (7) applying insulation on the top and sides of the concrete box conduit; and (8) restoring the site to preconstruction condition.

4. Justification of the Request:

Campus physical plant staff became aware of significant leaks in segments of the condensate return piping in December 1991, when a condensate return line between Steam Pits #7 and #8 broke and large amounts of condensate were lost. In an effort to pinpoint the leaks and avoid the continual high loss of condensate, lines were valved off and the condensate return was rerouted. The increased pressure on the secondary line caused another failure in the distribution system between Pit No. 16 and the Central Heating Plant about a month later. It is critical that these 28 to 32 year-old sections of the steam distribution/condensate return system be replaced during summer 1992. If replacement does not occur, the heating plant could experience difficulty with maintaining an adequate supply of makeup water and possibly result in the loss of boiler capacity during the 1992-93 winter heating season.

The UW-Platteville campus has identified four additional areas of the steam distribution/condensate return line system which also require replacement. Those lines range in age from 28 to 51 years, and reliability is suspect. For example, a condensate return line that is located northeast of Brigham Hall was repaired during 1980 by installing a stainless steel sleeve within the then-leaking condensate return line. That repair measure has recently failed and the condensate return line will be replaced as part of the proposed project.

The value of steam and condensate lost due to leakage has been estimated at about $300/month. This figure does not include the additional costs of water treatment, such as water softening and dealkalizing, nor does it take into consideration the impact of additional stress on equipment.

Approximately 382 LF of underground steam distribution/condensate return line, which had been constructed in 1968-69 as an extension to the existing distribution system, was replaced during 1991 at a total project cost of $143,991. That project required excavation of about 120 LF to a depth up to 15 feet under a concrete patio deck, versus the typical depth of four or five feet, which contributed to a higher construction cost per lineal foot ($341/LF) than the average cost estimated for the proposed project ($255/LF). Only the steam distribution/condensate return line near Brigham Hall will require deeper than normal excavation.

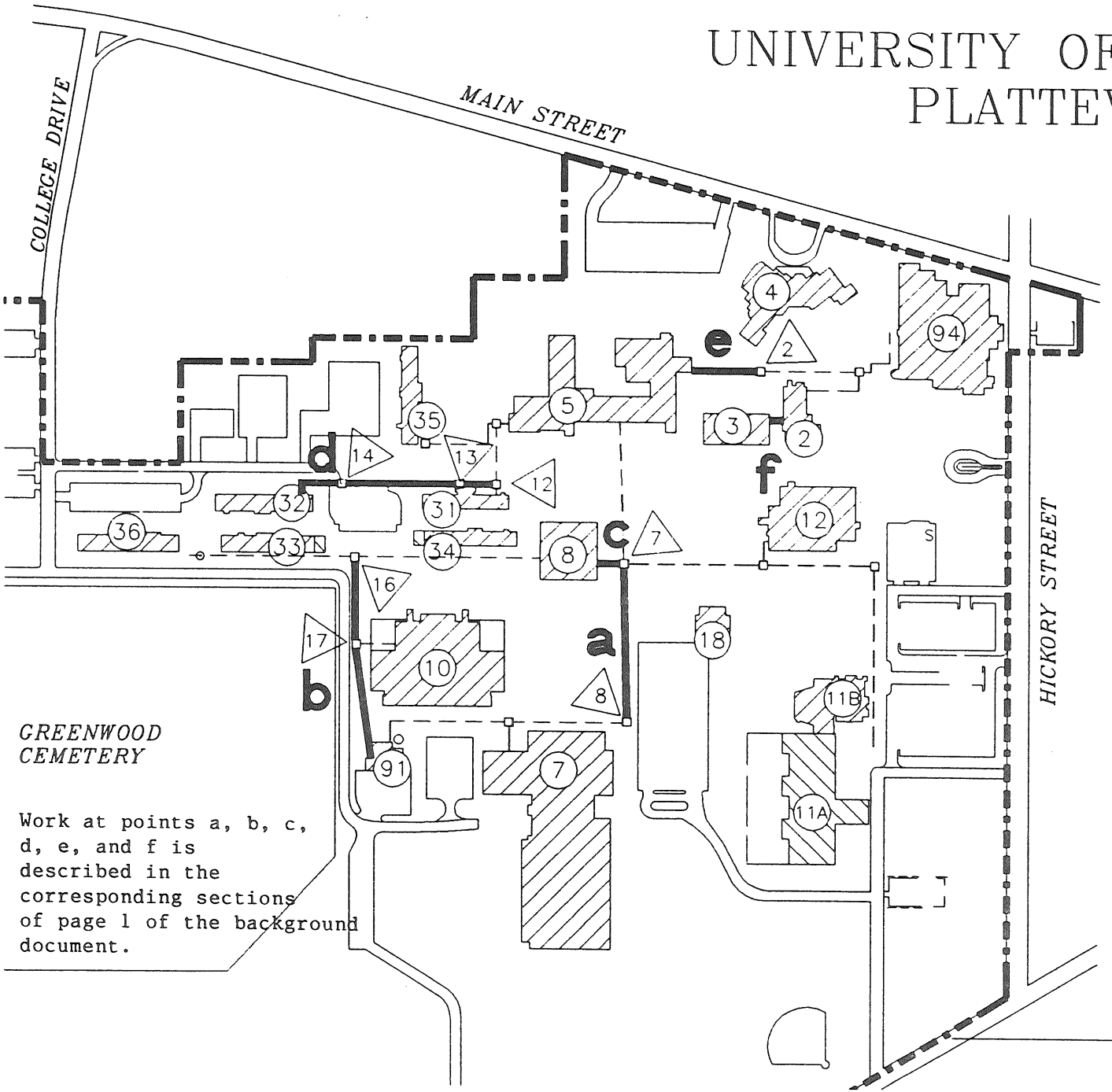
5. Budget:

1.	Construction:	$429,000
2.	Architect/Engineer:	34,300
3.	DFD Supervision:	17,200
4.	Contingency:	42,900
5.	Total Estimated Project Cost:	$523,400

6. Previous Action: None.

G:CAPBUD\BORSBC\PLV\STEAM.wpf

UNIVERSITY OF WISCONSIN PLATTEVILLE



BUILDINGS

- 2 – ULLRICH HALL
- 3 – ART BUILDING
- 4 – CENTER FOR THE ARTS
- 5 – DOUDNA HALL
- 7 – WILLIAMS FIELDHOUSE
- 8 – BOEBEL HALL
- 10 – OTTENSMAN HALL
- 11A – RUSSELL HALL
- 11B – PIONEER TOWER
- 12 – KARRMANN LIBRARY
- 18 – AG SCIENCES GREENHOUSE
- 31 – BRIGHAM HALL
- 32 – ROYCE HALL
- 33 – MCGREGOR HALL
- 34 – GARDNER HALL
- 35 – WARNER HALL
- 36 – WILGUS HALL
- 91 – CENTRAL HEATING
- 94 – STUDENT CENTER

7 – EXISTING STEAM PIT WITH PIT NUMBER

– – – EXISTING STEAM LINE

STEAM LINE REPLACEMENT

0 200' 400' 600'

DEVELOPMENT PLAN BOUNDRY

PHYSICAL PLANNING AND DEVELOPMENT COMMITTEE

Resolution:

That, upon the recommendation of the UW-River Falls and UW-Whitewater Chancellors and the President of the University of Wisconsin System, authority be granted for the President or Vice President and Secretary or Assistant Secretary of the Board to execute the following described easements across university-owned land:

UW-River Falls

(1) to Wisconsin Bell, Inc., covering a 15 foot wide right-of-way for a distance of approximately 214.5 feet on the west side of State Trunk Highway 65 adjacent to the Campus Laboratory Farm, in the City of River Falls, Pierce County, for the installation of a fiber optic cable. Wisconsin Bell will offer a one-time token payment of $150 for this easement.

(2) to Wisconsin Bell, Inc., covering a 10 foot wide right-of-way for a distance of approximately 120 feet, and a 30 foot by 30 foot parcel on the north side of the campus access road to the Mann Valley Farm in the town of Troy, St. Croix County, for the installation of a fiber optic cable, the construction of a 143 GSF fiber optic telecommunications station, and an access easement for an access road across a small portion of the farm. Wisconsin Bell will offer a one-time token payment of $8,000 for this easement.

UW-Whitewater

(1) to Wisconsin Natural Gas Company, a utility easement for a ten-foot wide, four-foot long easement on the northeast corner of Lot 43, along Walton Drive, Whitewater, Wisconsin for construction of a two-inch natural gas main.

UNIVERSITY OF WISCONSIN SYSTEM

Agency Request for
Board of Regents Approval

May, 1992

1. Institutions: University of Wisconsin - River Falls
University of Wisconsin - Whitewater

2. Request: Request authorization for the President or Vice President and Secretary or Assistant Secretary of the Board of Regents to execute two easements on the UW-River Falls campus and one easement on the UW-Whitewater Campus.

3. Description and Scope of Project:

UW-River Falls

(a) This request will grant an easement to Wisconsin Bell, Inc., covering a 15 foot wide right-of-way for a distance of approximately 214.5 feet on the west side of State Trunk Highway 65 adjacent to the Campus Laboratory Farm, in the City of River Falls, Pierce County, for the installation of a fiber optic cable. Wisconsin Bell will offer a one-time token payment of $150 for this easement.

(b) This request will also grant an easement to Wisconsin Bell, Inc., covering a 10 foot wide right-of-way for a distance of approximately 120 feet, and a 30 foot by 30 foot parcel on the north side of the campus access road to the Mann Valley Farm in the town of Troy, St. Croix County, for the installation of a fiber optic cable, the construction of a 143 GSF fiber optic telecommunications station, and an access easement for an access road across a small portion of the farm. Wisconsin Bell will offer a one-time token payment of $8,000 for this easement.

UW-Whitewater

(a) This request will grant a utility easement to Wisconsin Natural Gas Company, for a ten-foot wide, four-foot long easement on the northeast corner of Lot 43, along Walton Drive, Whitewater, Wisconsin for construction of a two-inch natural gas main.

4. Justification of the Request:

UW-River Falls

(a) Granting this easement will facilitate an important link in Wisconsin Bell's fiber optic network. This cable will act as a trunk linking River Falls with Ellsworth and other cities further south. In exchange for granting the easement, Wisconsin Bell has

agreed to make a one-time payment of $150 to the UW-River Falls general fund, properly prepare the site and install the cable, and repair any damage that might occur during installation. Installation of this cable will not interfere with current or future farm operations.

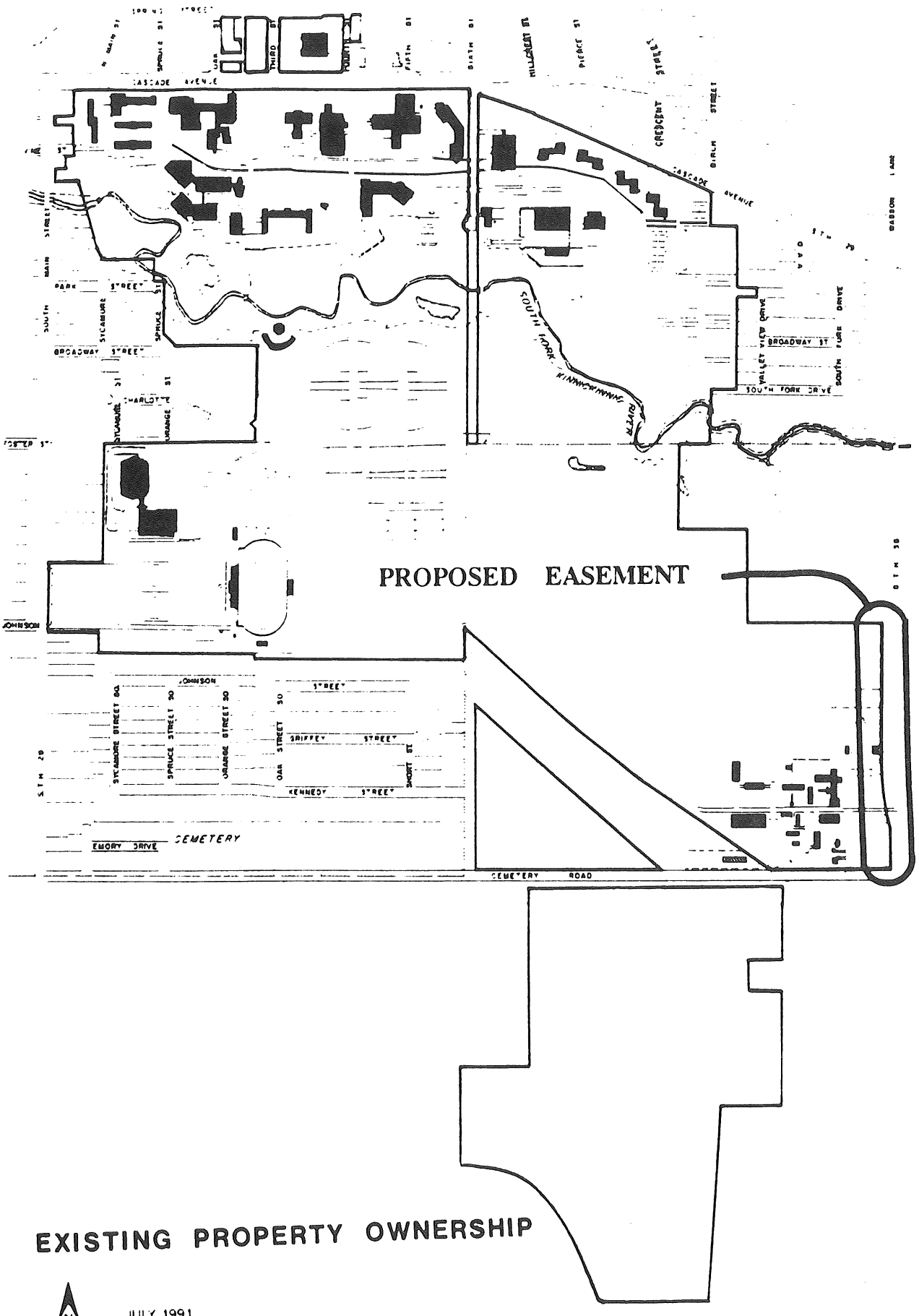
(b) An easement was granted in 1989 for installation of fiber optic cable on the south and west sides of Mann Valley Farm, forming a trunk link between Hudson and River Falls. In order to activate this trunk, a small fiber optic utility structure needs to be constructed in the vicinity of the Mann Valley Farm. Locating this building on the north side of the access road was a joint decision made between UW-River Falls and Wisconsin Bell. This site is the least obtrusive for the farm, yet meets the technical requirements of Wisconsin Bell. In exchange for granting the easement, Wisconsin Bell has agreed to make a one-time payment of $8,000 to the UW-River Falls general fund, properly prepare the site and construct the building, improve a farm pasture access road and gate, and landscape the site. UW-River Falls Campus Planning personnel are working with Wisconsin Bell engineers on site design and construction. Construction of this building will not interfere with current or future farm operations.

UW-Whitewater

(a) Lot 43 is part of a narrow strip of land on the far northwest corner of the UW-Whitewater campus. The narrow strip was acquired many years ago to insure access to the north, undeveloped land of the campus. Now, the undeveloped land has been designated as arboretum. The narrow strip of land is no longer needed for access, and the university intends to sell the land or use it in a trade should an opportunity arise. Given the location of the easement, it should not detract from the value of the land for resale. The gas line is needed to support development in the vicinity of the narrow strip of land. The university will not benefit from the gas main to be installed in the easement.

5. Previous Action:

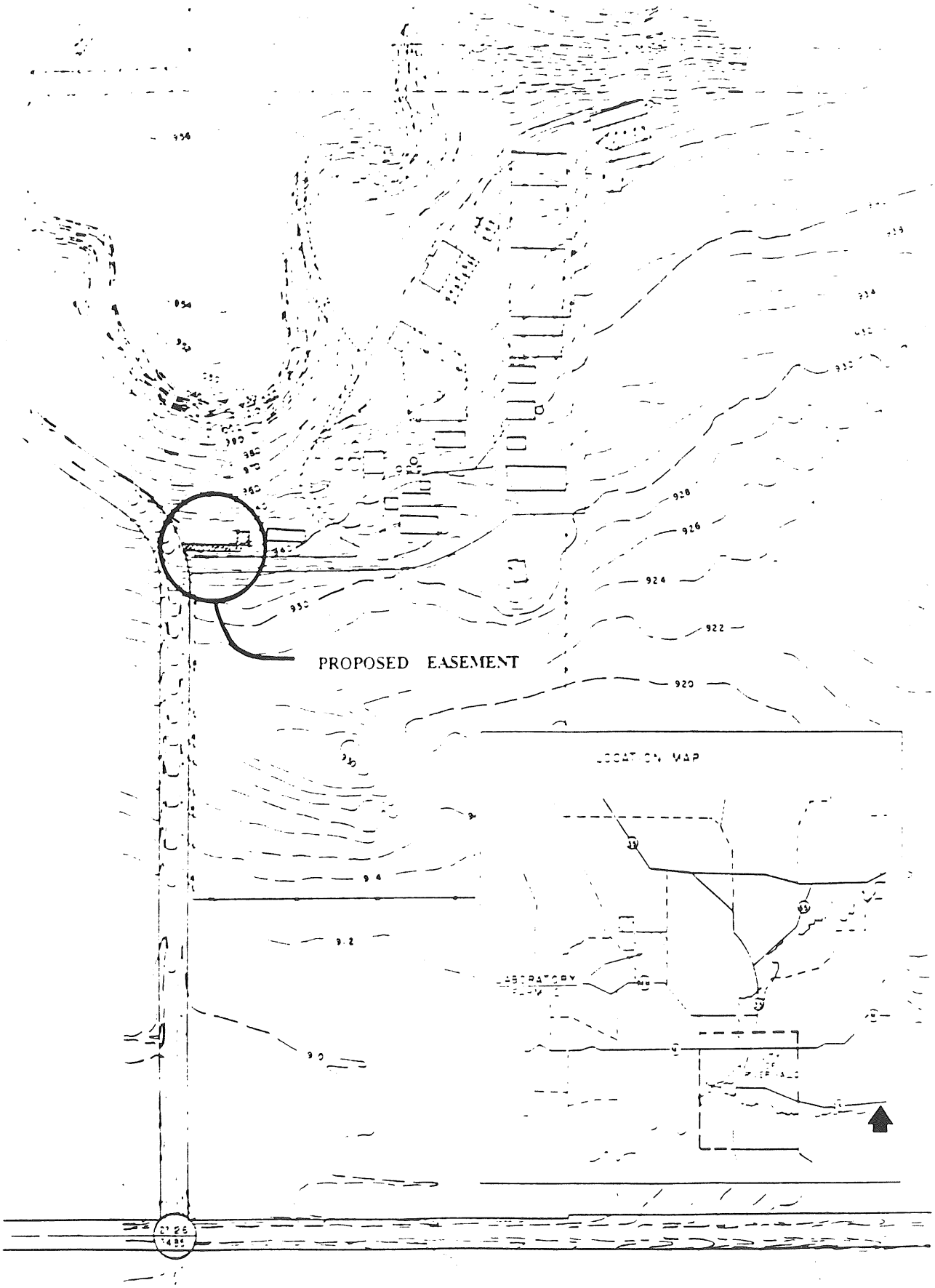
None



EXISTING PROPERTY OWNERSHIP

JULY 1991

UW - RIVER FALLS



The University of Wisconsin System

Division of Capital Budget
and Architecture: Engineering Services
[illegible] Madison Street, P.O. Box [illegible]
Madison, Wisconsin 53708 FAX / 608-263-[illegible]

RIVER FALLS

PLANT VALLEY FARM

PROPOSED N.S.U. NEW EASEMENT

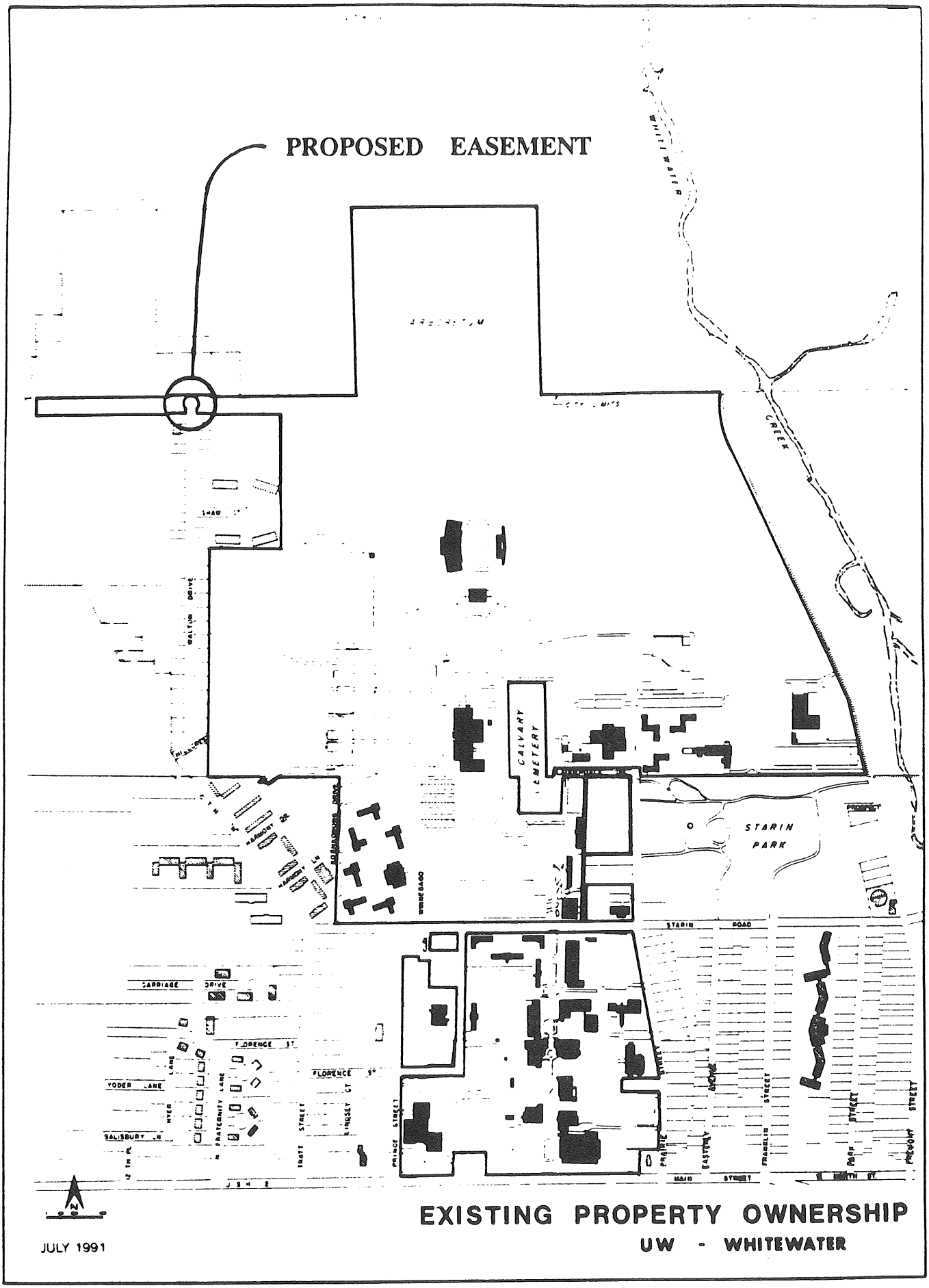
DATE 4 APR 92

NO. DATE DESCRIPTION

NO SCALE

DRAWN BY JAB

CHECKED BY —



EXISTING PROPERTY OWNERSHIP

UW - WHITEWATER

JULY 1991