

**MICHIGAN STATE**  
**UNIVERSITY**

June 7, 2010

**MEMORANDUM**

**To:** Trustee Finance Committee

**From:** Fred L. Poston 

**Subject:** **Project Approval - Authorization to Proceed**  
Cyclotron Building - Office Addition - Phase II

**RECOMMENDATION**

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to proceed with the project entitled Cyclotron Building - Office Addition - Phase II, and to approve a budget of \$14,500,000.

**BACKGROUND**

**Program Need:**

Michigan State University has been awarded the Facilities for Rare Isotope Beams (FRIB) project, a new national user facility for nuclear science, funded by the Department of Energy's Office of Nuclear Physics, and operated by Michigan State University (MSU). FRIB will cost approximately \$550 million to establish and take about a decade for MSU to design and build. As the FRIB program develops, a significant amount of space will be needed for scientists, staff, and project managers, and to provide collaboration space for all users of the laboratory. The current plan for the National Superconducting Cyclotron Laboratory site calls for an office addition to the east of the existing four-story (Phase I) office building.

**Description of the Project:**

The Cyclotron building is located at the southwest corner of Bogue Street and Shaw Lane in the Central Academic District. This project involves an office addition (phase II) of four occupied floors and a penthouse similar to the adjacent, recently completed phase I office building; an enclosed pedestrian walkway/bridge linking the two buildings; and an electrical vault in the basement to serve this phase II addition. The first floor will contain a lecture hall and a large conference room with priority use by the NSCL/FRIB. Floors two through four will be a combination of fixed and open office space that addresses office needs for up to 100 visitors.

The Architect/Engineer is URS Grand Rapids. The Construction Manager is Skanska.



OFFICE OF THE  
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FINANCE AND  
OPERATIONS

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**Communication Feedback:**

The campus community was given opportunities to provide feedback during the planning phase; concerns have been addressed in the project design.

The Office of Campus Planning and Administration has reviewed this project and found it to be consistent with the Campus Master Plan and Planning Principles. The Campus Infrastructure Planning Work Group also supports the recommendation to proceed with the project.

As construction proceeds, the schedule and phasing will be reviewed with the campus community.

**Project Cost and Timetable:**

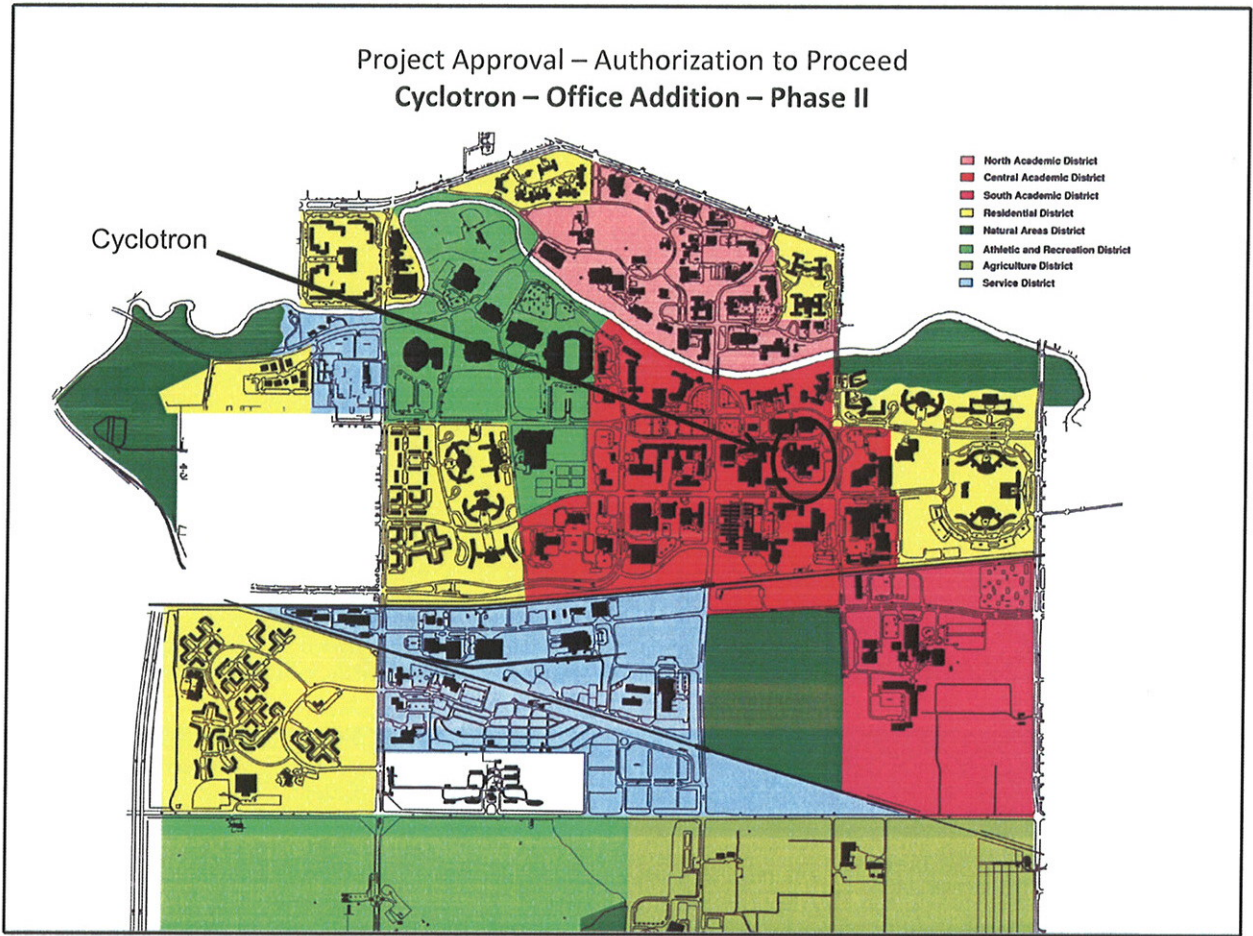
The budget for this Construction Manager project is \$14,500,000. The source of funds for this project is from the Cyclotron and tax-exempt financing with debt repayment from the general fund and the Cyclotron.

Construction is planned to begin in September 2010, with substantial completion in September 2011, and final completion by September 2012.

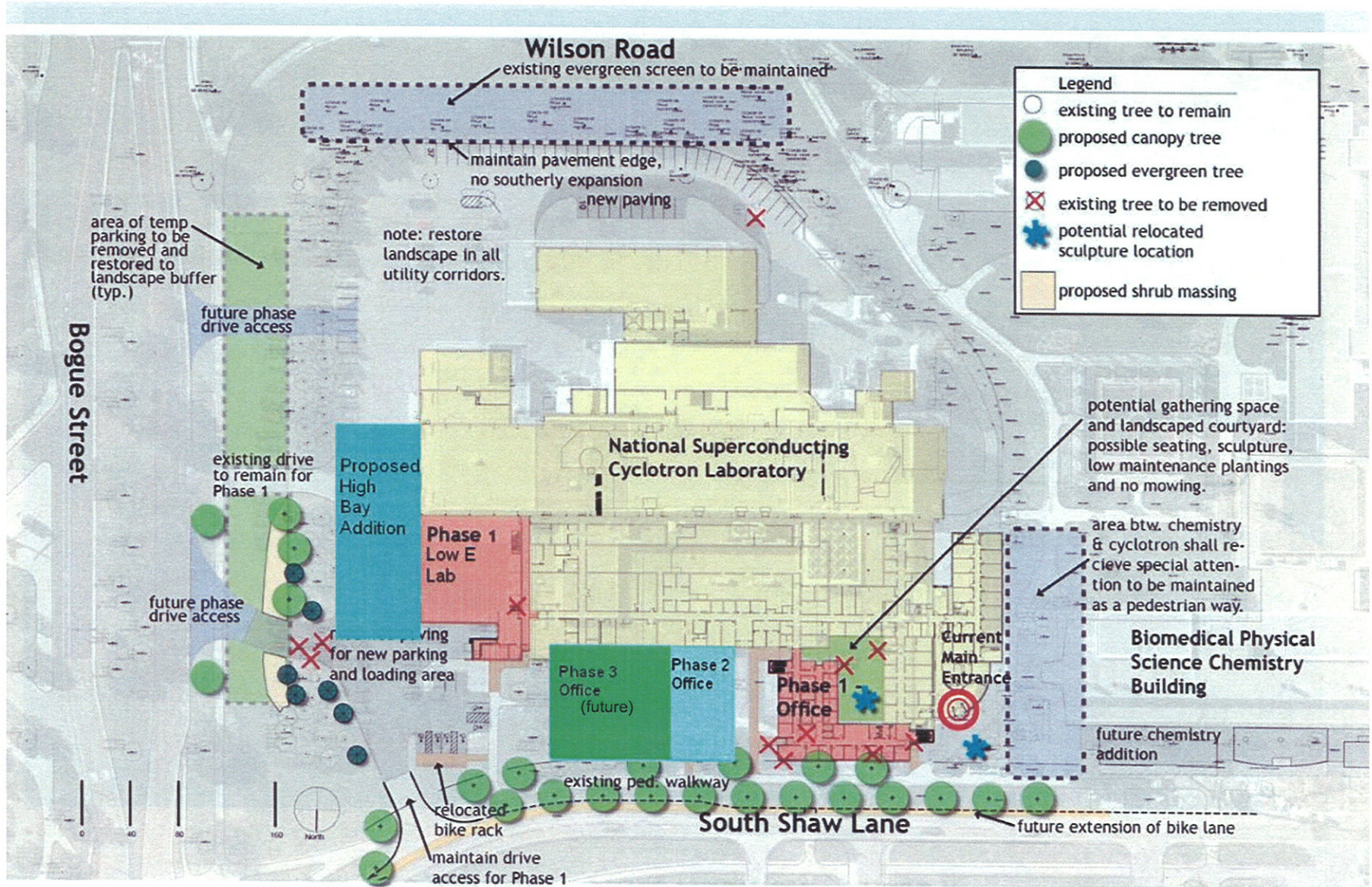
cc: D. Brower, R. Flinn, J. Kacos, G. Klein, B. Kranz, K. Lindahl, M. McCabe,  
J. Mumma, R. Nestle, D. Quinney, K. Gelbke, T. Glasmacher, L. Adams

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Project Approval – Authorization to Proceed  
Cyclotron – Office Addition – Phase II

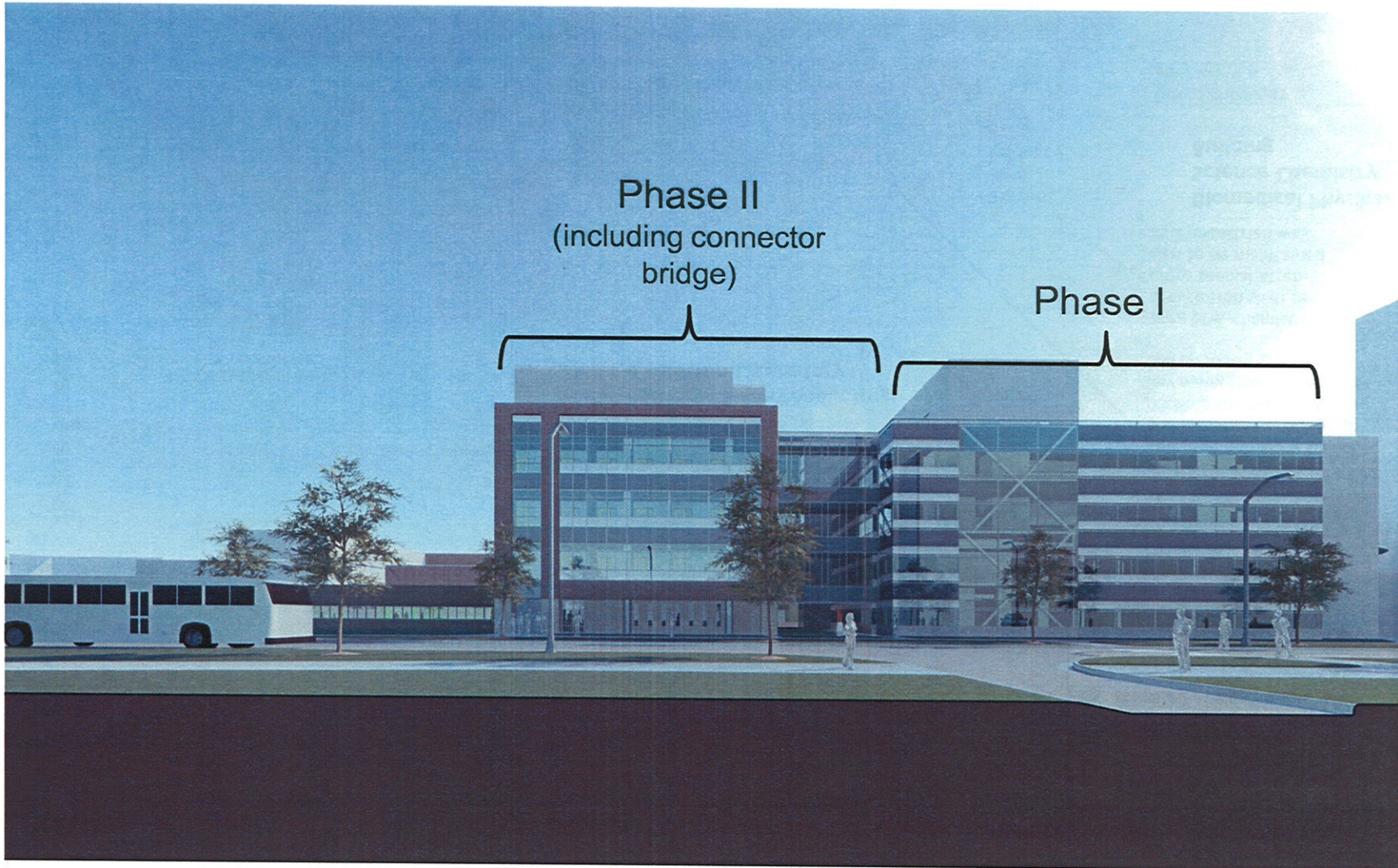


# Project Approval – Authorization to Proceed Cyclotron – Office Addition – Phase II



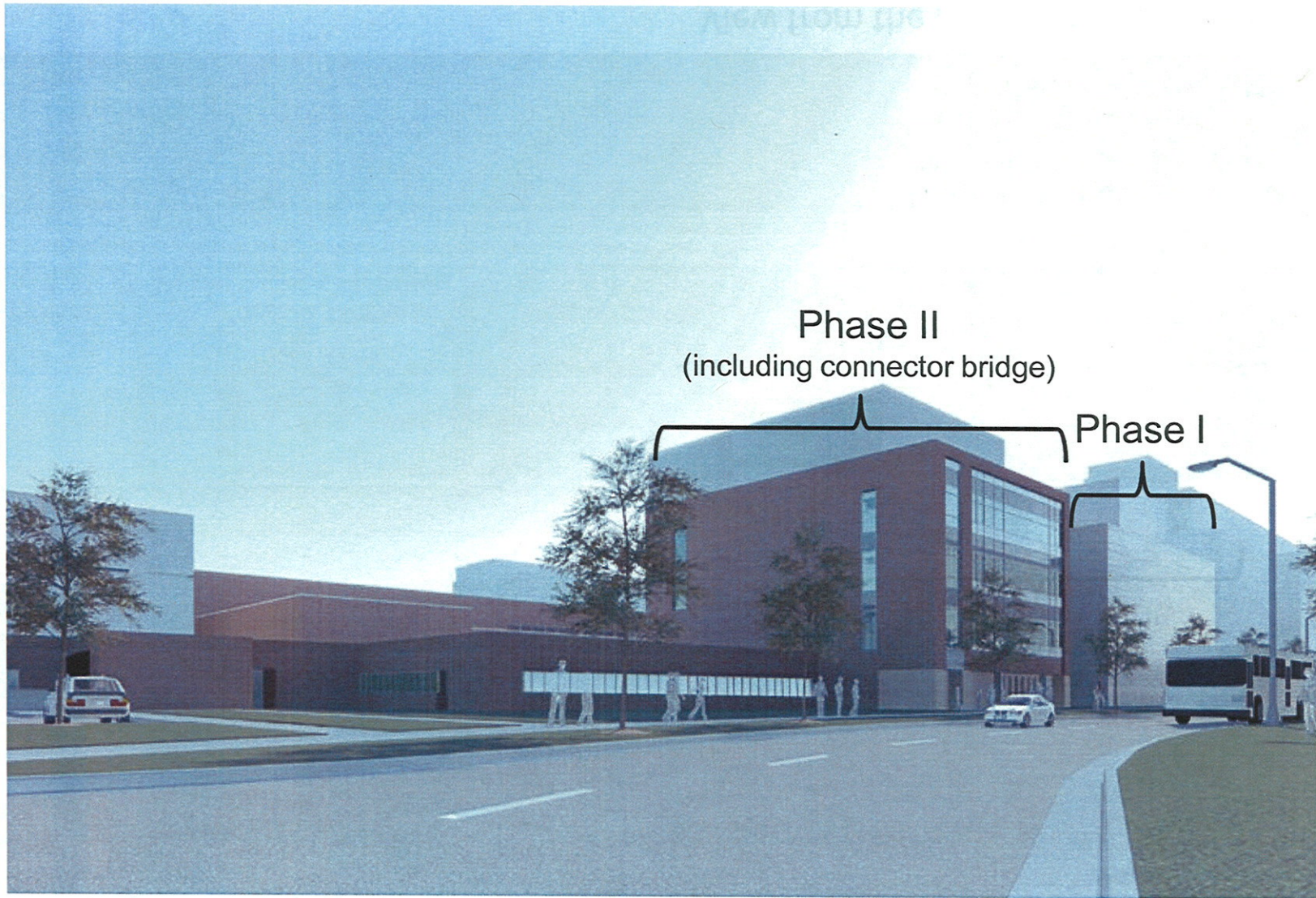
Phase I site plan showing the proposed high bay addition and Phase II and III

Project Approval – Authorization to Proceed  
Cyclotron – Office Addition – Phase II



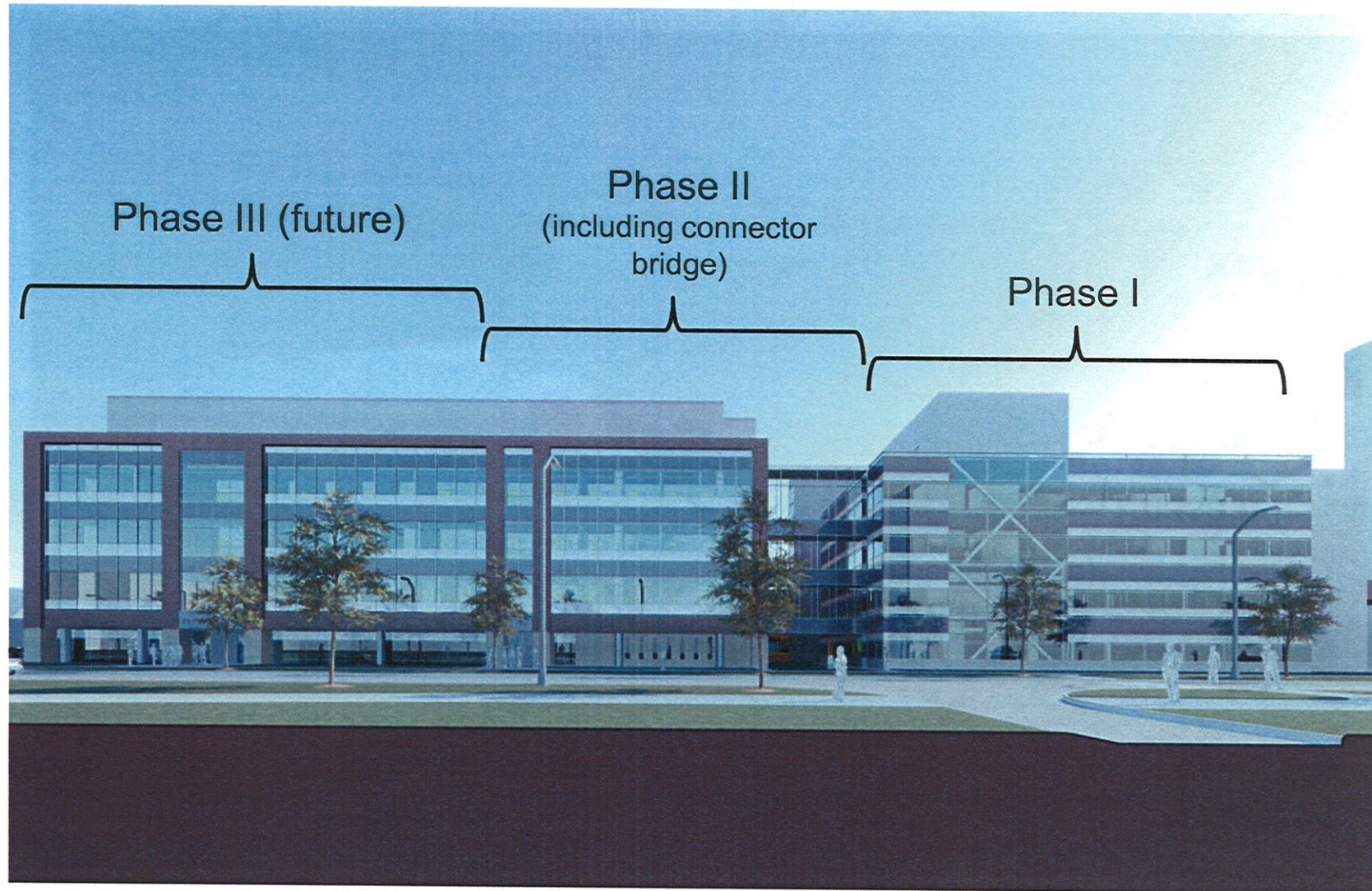
View from the North - Phase I and II Only

Project Approval – Authorization to Proceed  
**Cyclotron – Office Addition – Phase II**



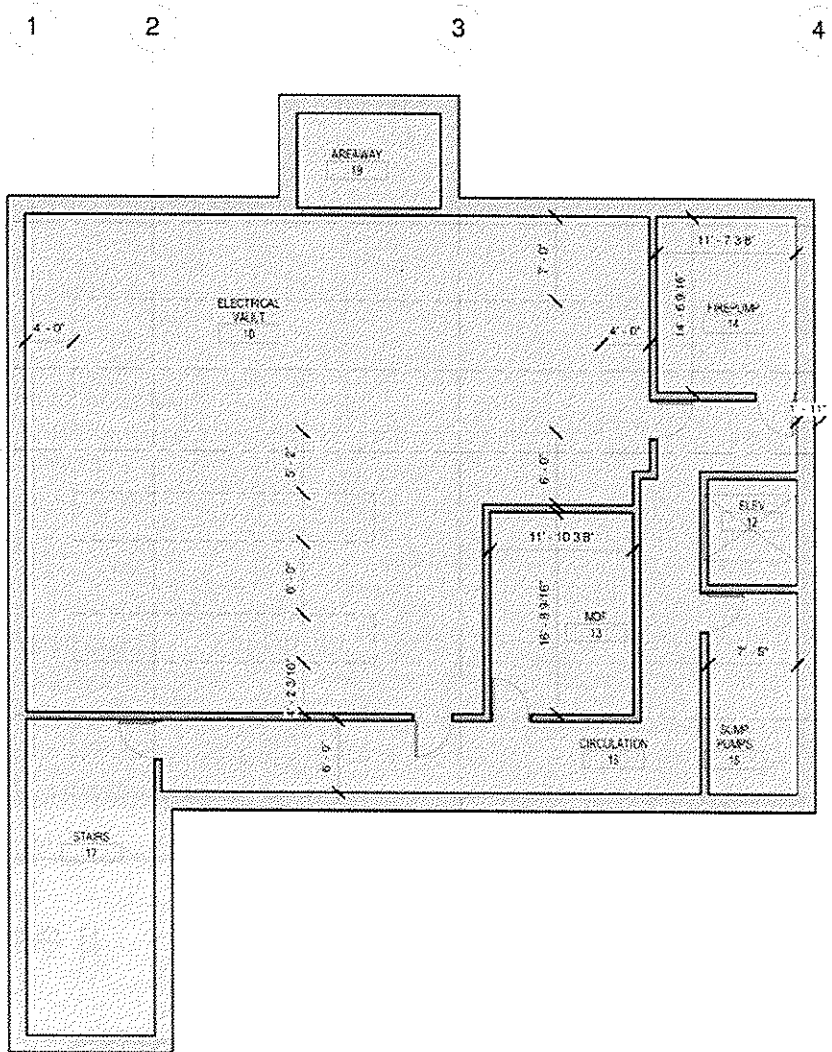
View from the Northeast - Phase I and II Only

Project Approval – Authorization to Proceed  
**Cyclotron – Office Addition – Phase II**



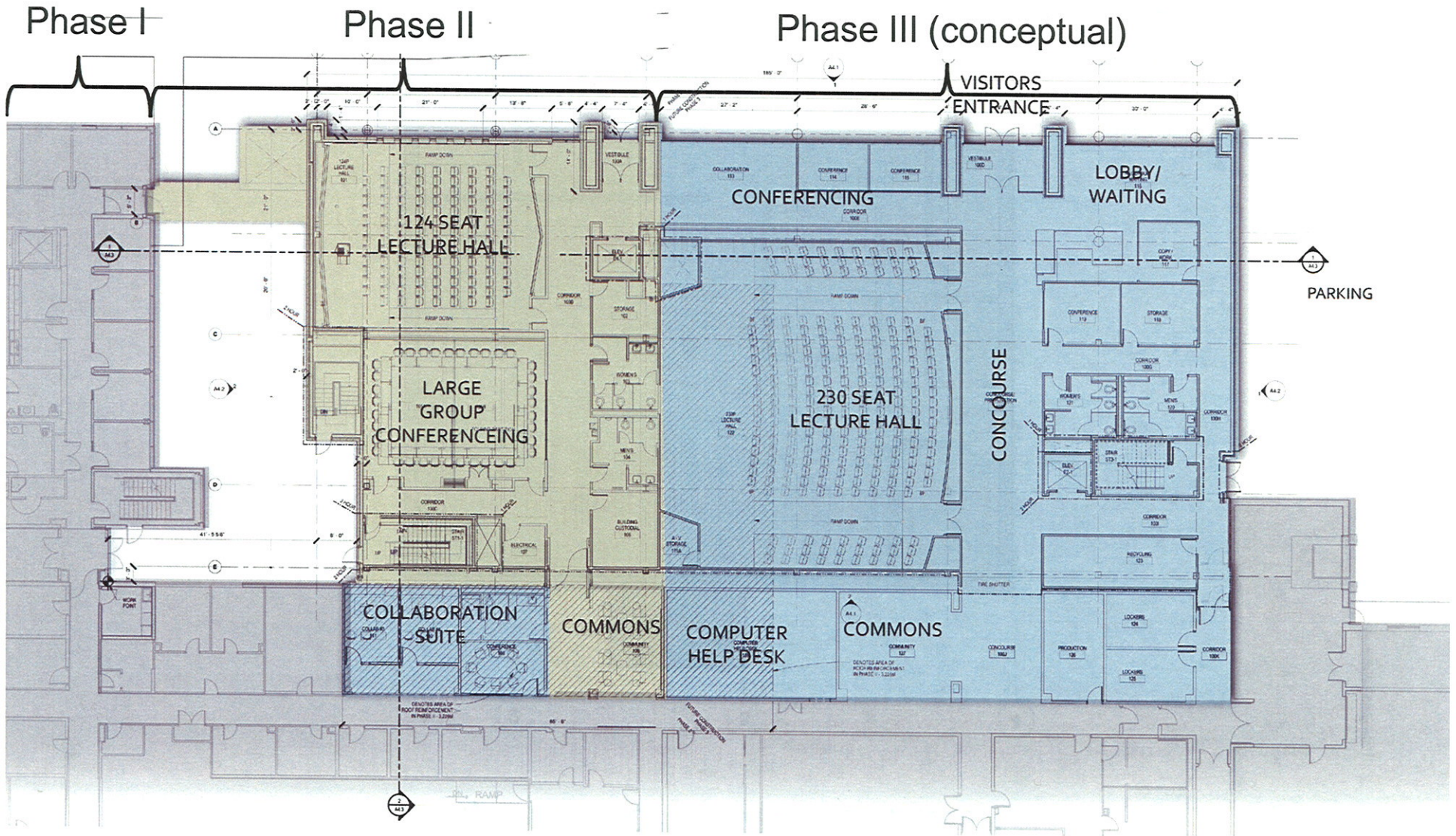
View from the North - Phase I, II and III

# Project Approval – Authorization to Proceed Cyclotron – Office Addition – Phase II



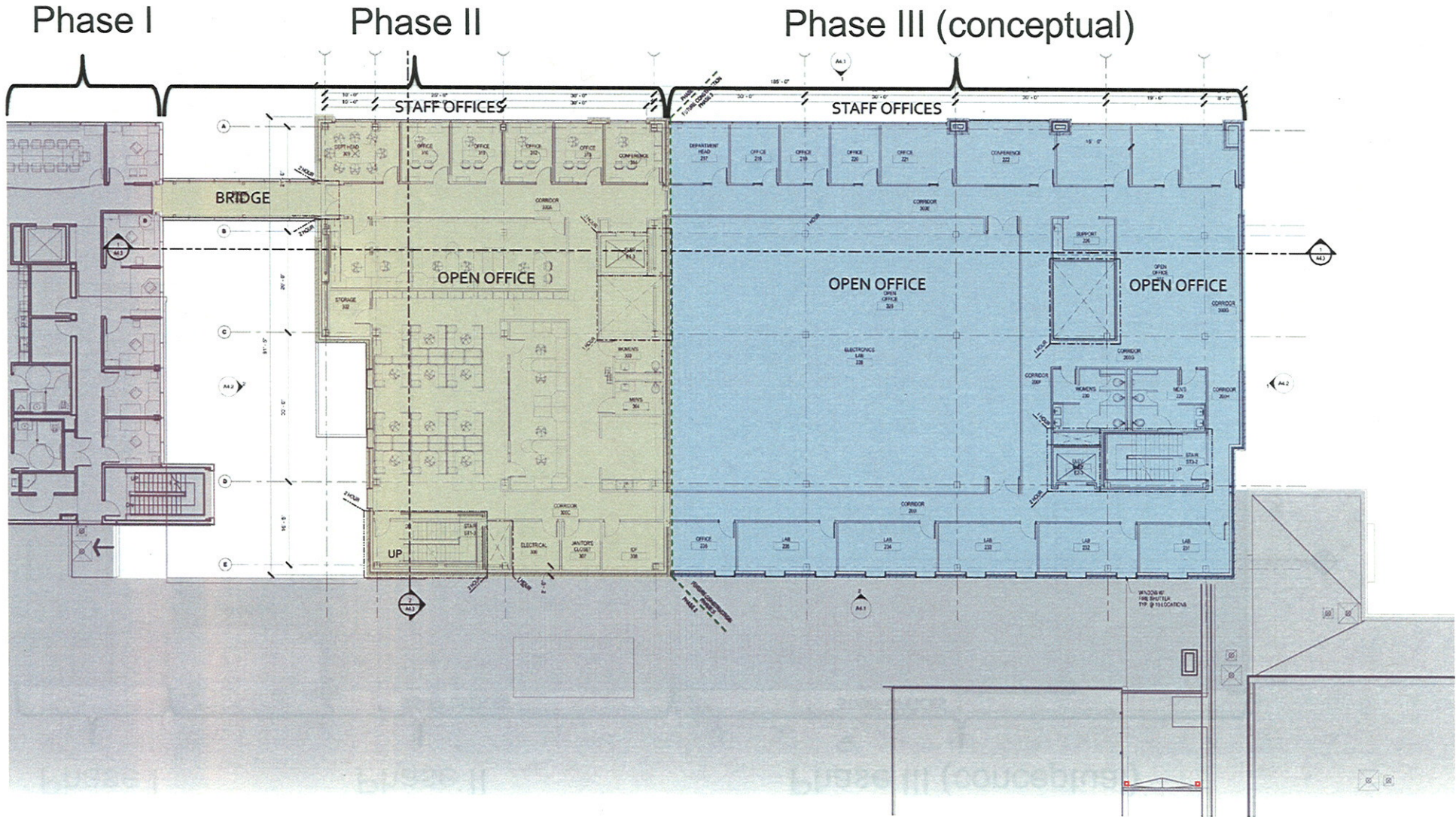
Design Development  
Plans - Basement

# Project Approval – Authorization to Proceed Cyclotron – Office Addition – Phase II



Design Development Plans – First Floor

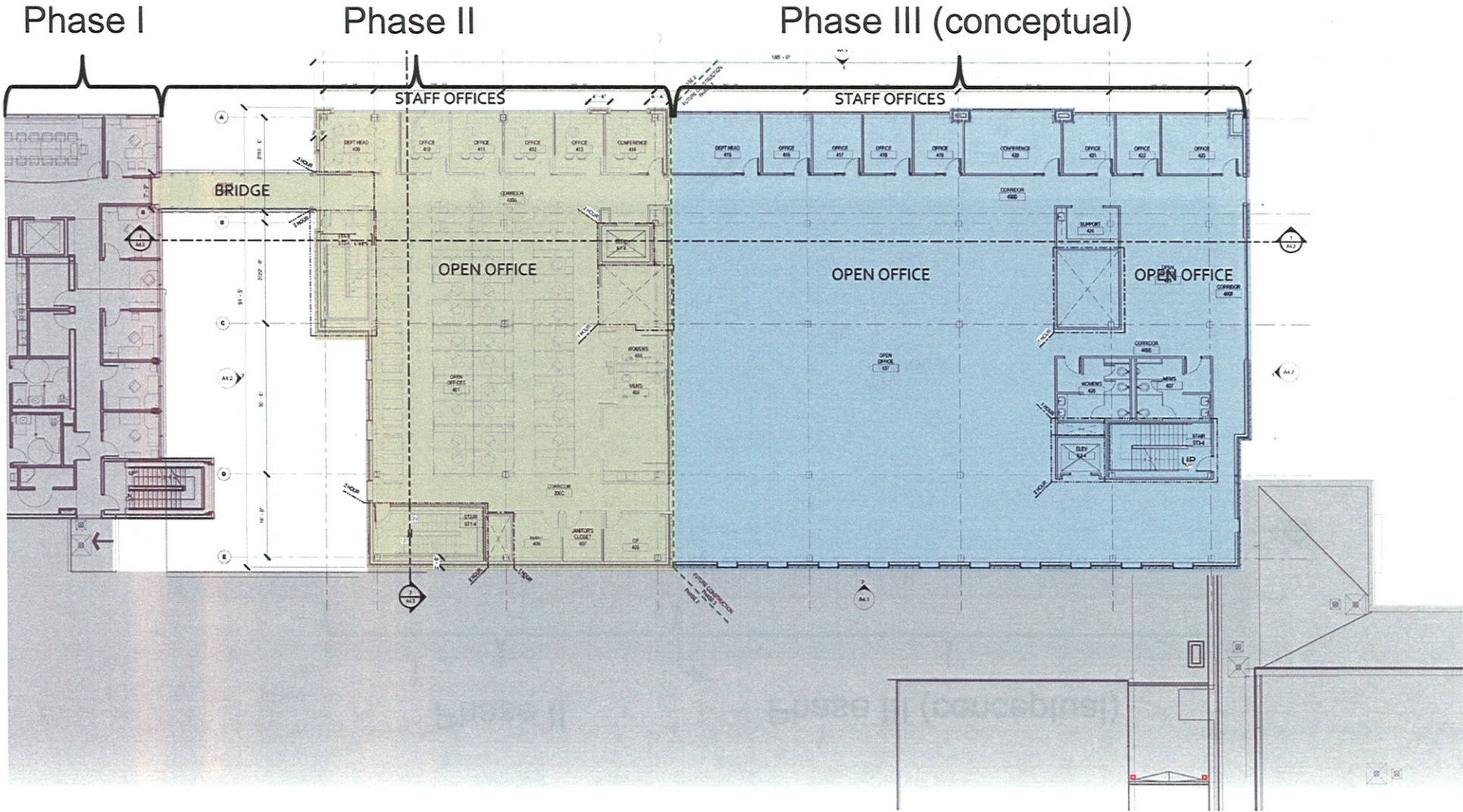
Project Approval – Authorization to Proceed  
Cyclotron – Office Addition – Phase II



Design Development Plans – Second Floor

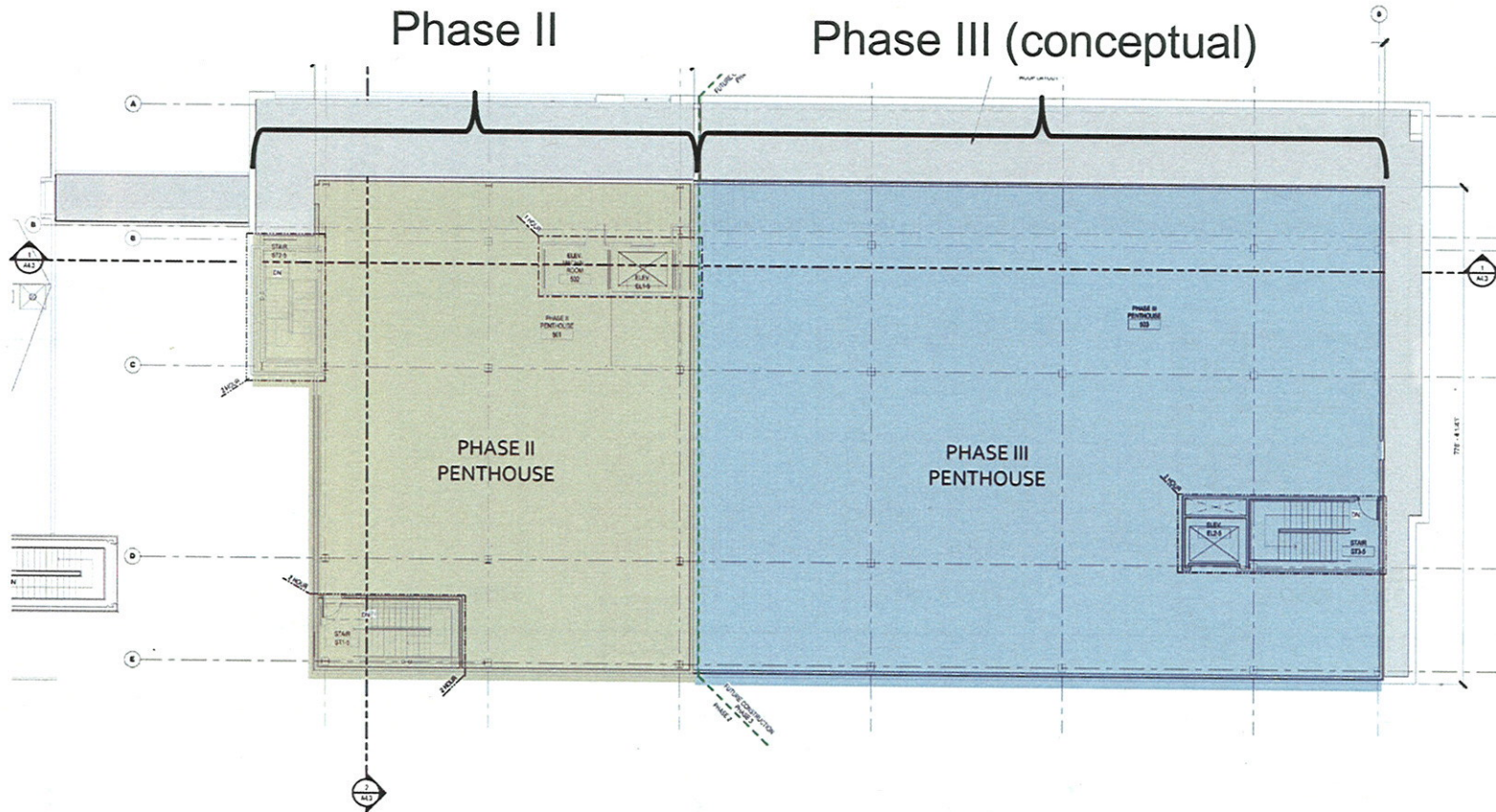


Project Approval – Authorization to Proceed  
Cyclotron – Office Addition – Phase II



Design Development Plans – Fourth Floor

Project Approval – Authorization to Proceed  
Cyclotron – Office Addition – Phase II



Design Development Plans – Mechanical Penthouse


# Background Information

MICHIGAN STATE  
UNIVERSITY

October 21, 2009



**MEMORANDUM**

**To:** Trustee Finance Committee  
**From:** Fred L. Poston   
**Subject:** **Authorization to Plan**  
Cyclotron Building – Office Addition - Phase II

**RECOMMENDATION**

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to plan for the project entitled Cyclotron Building – Office Addition - Phase II.

**BACKGROUND**

**Program Need:**

Michigan State University has been selected to design and build the Facility for Rare Isotope Beams (FRIB), a new National User Facility for nuclear science, funded by the Department of Energy (DOE), Office of Nuclear Physics (NP), and operated by Michigan State University (MSU). FRIB will take approximately a decade for MSU to design and build. As the FRIB program develops, a significant amount of additional space will be needed for scientists, project managers, staff, and collaboration. A preliminary conceptual plan calls for an additional office tower to be built east of the existing office tower.



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**General Description of the Project:**

The planning of this project will include re-assessment and re-evaluation of the preliminary conceptual plan based on recent developments, and a comprehensive long-range review of building, site, and utility needs. Design of the additional office tower will commence as soon as an acceptable solution is identified.

The Cyclotron building site is located west of Bogue Street between South Shaw Lane and Wilson Road in the Central Academic District. The location of this project is consistent with the Campus Master Plan and Planning Principles.

Based on an assessment of the factors stated in the Project Planning and Approval process concerning project labor agreements, the Vice President for Finance and Operations has determined that a project labor agreement would not have utility for this project.

**Communication Plan:**

During the planning phase, the campus community will have opportunities to provide feedback on the project as it is being designed. Input from the project planning team will be solicited during the design phase.

**Preliminary Project Cost Information:**

Based on cost experience for similar projects and current pricing information, the preliminary project cost estimate for the first phase of office construction is \$8,000,000. This estimate may change as planning progresses and the project scope is defined.

The source of funds for the project is expected to be tax-exempt financing with debt repayment from the General Fund.

cc: D. Brower, R. Flinn, J. Kacos, G. Klein, B. Kranz, K. Lindahl, M. McCabe,  
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