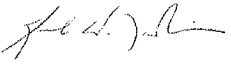


MICHIGAN STATE UNIVERSITY

April 10, 2014

MEMORANDUM

To: Trustee Finance Committee

From: Kemel W. Dawkins 
Vice President for Strategic Infrastructure Planning and Facilities

Subject: **Project Approval - Authorization to Proceed**
Parking - Lot 97 (Engineering Research) Expansion

RECOMMENDATION

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to proceed with the project entitled Parking - Lot 97 (Engineering Research) Expansion, and that it approve a budget of \$1,400,000.



Office of the
Vice President
for Strategic
Infrastructure
Planning and
Facilities

Kemel W. Dawkins
Vice President

Infrastructure Planning
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Michigan State University
1147 Chestnut Road
Room 101
East Lansing, MI 48824

517-355-3366
Fax: 517-353-6358
ipf.msu.edu

BACKGROUND

Program Need:

Parking Lot 97 was originally constructed with the Engineering Research Complex in 1986. When the Energy and Automotive Research Facility addition was constructed in 2007, a perimeter drive and additional parking were added, bringing current lot capacity to 216 spaces. The pavement in the original parking lot has outlived its useful life and does not meet current pavement system design standards. In addition, this zone of campus will need additional parking with the construction of the Bio-Engineering facility.

Description of the Project:

The project is located adjacent to the Engineering Research Complex, south of Service Road and east of Bogue Street in the south academic district. This project involves more than doubling the lot's capacity to 461 spaces. It includes reconstruction to meet current standards for safety, accessibility, storm water management, and pavement.

The Architect/Engineer is MSU Engineering and Architectural Services.

Based on an assessment of the factors stated in the Project Planning and Approval process concerning Project Labor Agreements (PLA), the Vice

President for Strategic Infrastructure Planning and Facilities has determined that a PLA would not be required for this project.

Communication Feedback:

The campus community was given opportunities to provide feedback during the planning phase and any 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. The Campus Infrastructure Planning Work Group also supports the recommendation to proceed with the project.

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

Project Cost and Timetable:

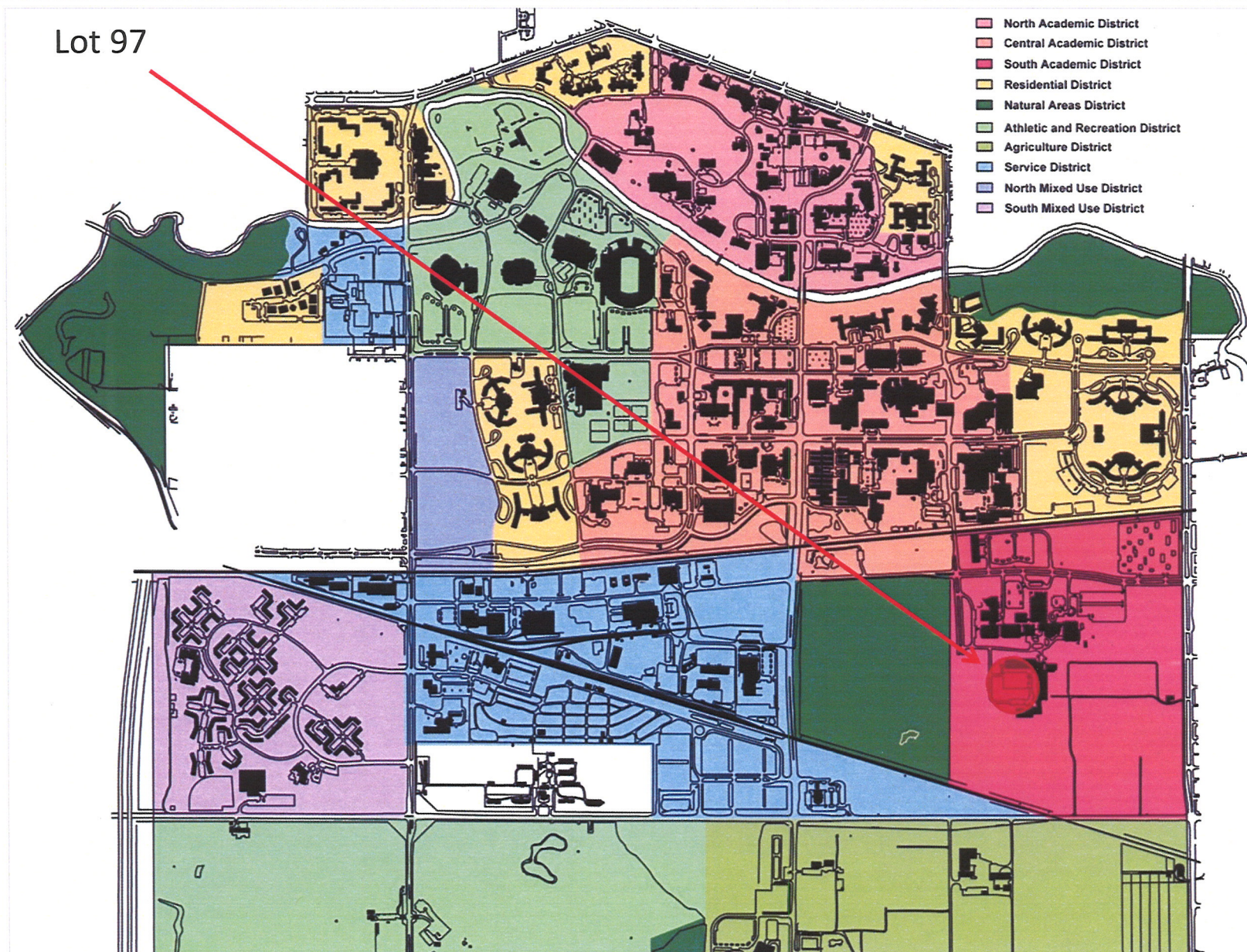
The budget for this Design-Bid-Build project is \$1,400,000, which is being funded by auxiliary activities - parking.

Construction is planned to begin in June 2014, with substantial completion in October 2014, and final completion by June 2015.

cc: L. Simon, J. Youatt, S. Udpal, B. Beekman, B. Noto, K. Dawkins,
V. Gore, M. Haas, J. Kacos, G. Klein, B. Kranz, B. Latta, M. McCabe,
J. Mumma, R. Nestle, D. Quinney, J. Dunlap, J. Prush

Project Approval – Authorization to Proceed
Parking Lot 97 – (Engineering Research) Expansion

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Current aerial photo of site



**Project Approval – Authorization to Proceed
Parking Lot 97 – (Engineering Research) Expansion**

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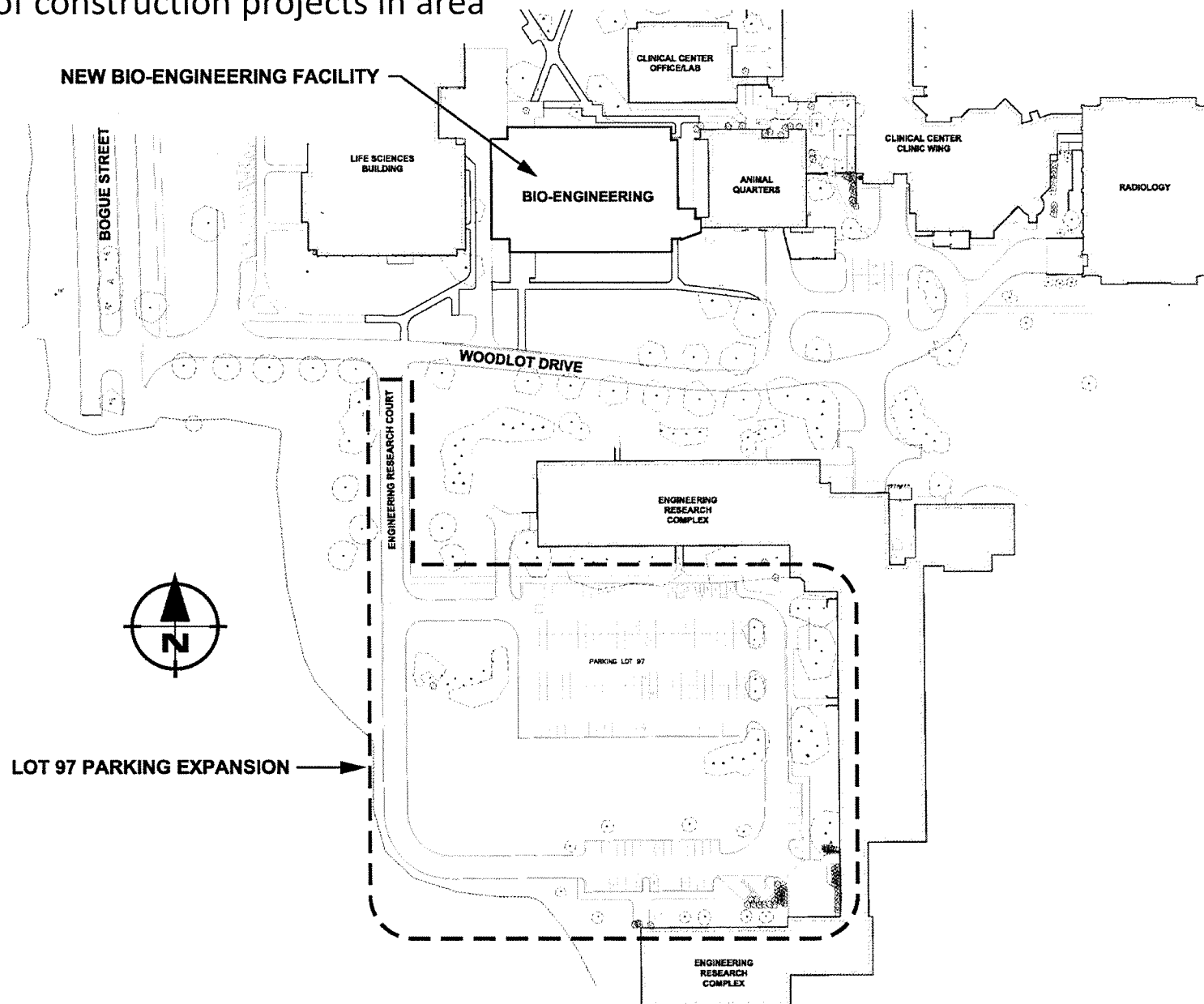
Poor pavement condition



Project Approval – Authorization to Proceed
Parking Lot 97 – (Engineering Research) Expansion

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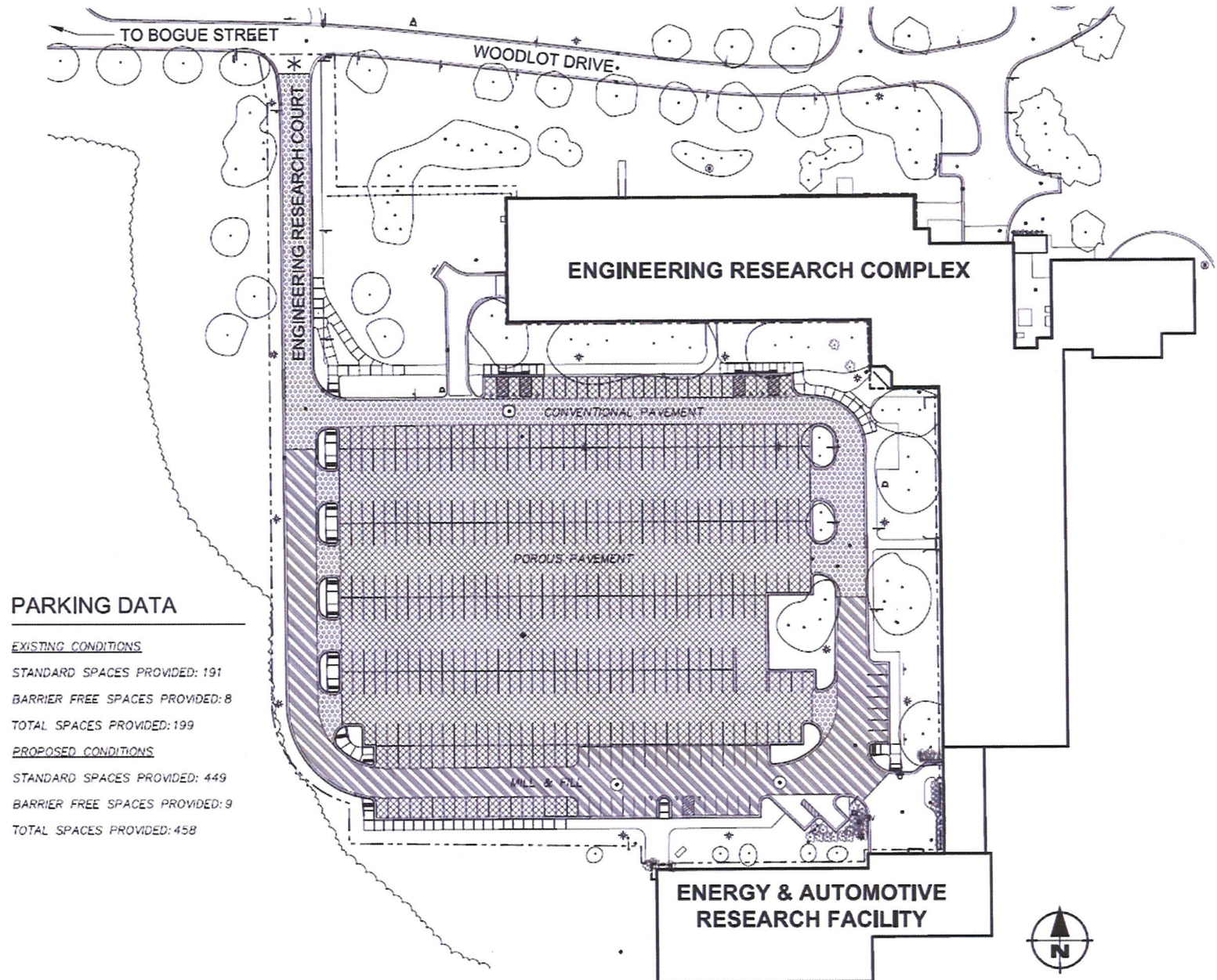
Overview of construction projects in area



Project Approval – Authorization to Proceed Parking Lot 97 – (Engineering Research) Expansion

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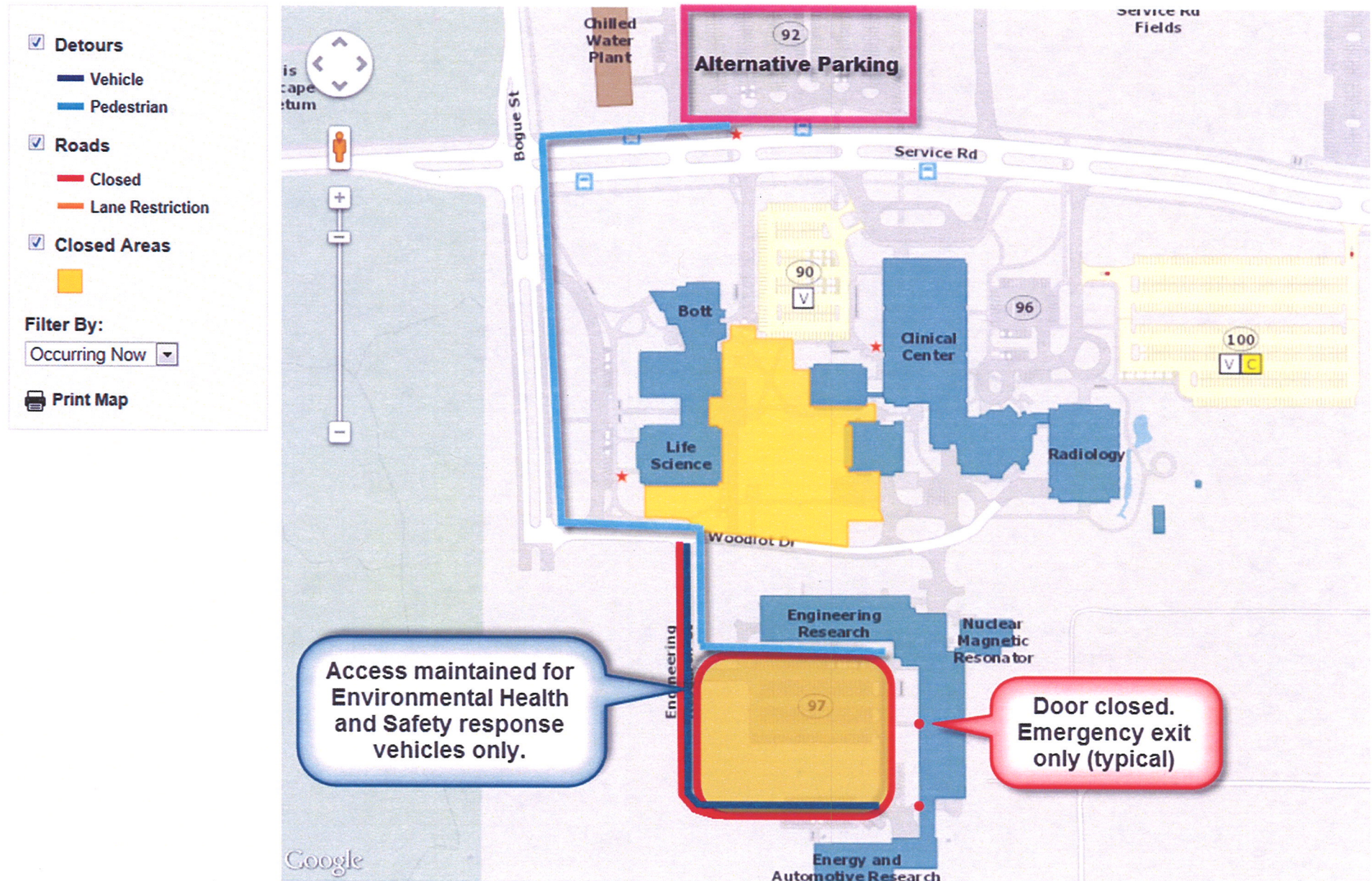
Proposed layout



Project Approval – Authorization to Proceed Parking Lot 97 – (Engineering Research) Expansion

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Road closure and detour map



**MICHIGAN STATE
UNIVERSITY**

Trustee Finance Committee – Attachment 4
December 13, 2013

December 4, 2013



MEMORANDUM

To: Trustee Finance Committee

From: Ronald T. Flinn *RTF*
Vice President for Strategic Infrastructure Planning and Facilities

Subject: **Authorization to Plan**
Parking Lot 97 - (Engineering Research) Expansion

RECOMMENDATION

BE IT RESOLVED that the Board of Trustees authorize the Administration to plan for the project entitled Parking Lot 97 - (Engineering Research) Expansion.



Office of the
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BACKGROUND

Program Need:

Parking Lot 97 was originally constructed with the Engineering Research Complex in 1986. When the Energy and Automotive Research Facility addition was constructed in 2007, a perimeter drive and additional parking were added, bringing current lot capacity to 216 spaces. The pavement in the original parking lot has outlived its useful life and does not meet current pavement system design standards. In addition, this zone of campus will need additional parking with the construction of the Bio-Engineering facility.

General Description of the Project:

The planning of this project is anticipated to include more than doubling the lot's capacity. It includes reconstruction to meet current standards for safety, accessibility, storm water management, and pavement. An evaluation of a photovoltaic (solar) array in the form of a carport structure is underway. Any Just-In-Time needs will also be reviewed as part of the planning process.

This project is located south of Service Road and east of Bogue Street in the south academic district. The location of this project is consistent with the Campus Master Plan.

It is anticipated that the design changes would make a material long-term change to the landscape.

Based on an assessment of the factors stated in the Project Planning and Approval process concerning Project Labor Agreements (PLA), the Vice President for Strategic Infrastructure Planning and Facilities has determined that a PLA would not be required for this project.

Communication Plan:

During the planning phase, the campus community will be given 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:

As information, the preliminary project cost estimate, without consideration for a possible photovoltaic array, is less than \$1 million and the source of funds for the project is expected to be auxiliary activities - parking. During the planning process, if the photovoltaic array is found to be feasible and funding can be identified, the photovoltaic array will return to the Board for authorization to proceed in addition to approval of the footprint.

cc: R. Flinn, V. Gore, M. Haas, J. Kacos, G. Klein, B. Kranz, B. Latta,
M. McCabe, J. Mumma, R. Nestle, D. Quinney, S. Udpa, J. Dunlap,
J. Prush