

MICHIGAN STATE UNIVERSITY

APPROVED

APRIL 12, 2019

**BOARD OF TRUSTEES
MICHIGAN STATE UNIVERSITY**

April 12, 2019

MEMORANDUM

To: Committee on Budget and Finance

From: Daniel J. Bollman *Daniel J. Bollman*
Vice President for Strategic Infrastructure Planning and Facilities

Subject: **Project Approval - Authorization to Proceed**
Biological Safety Level-3 Research Laboratory

RECOMMENDATION

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to proceed with a Biological Safety Level-3 Research Laboratory expansion to accommodate the needs of recent faculty hires.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to proceed with the project entitled "Biological Safety Level-3 Research Laboratory," with a project budget of \$3,500,000.

BACKGROUND

Program Need:

Through its ongoing academic and capital planning efforts, the University has identified a need for additional Biological Safety Level-3 (BSL-3) research laboratory capacity. Harmful pathogens have emerged in recent years that affect both animals and humans and are a cause for concern for the health of the nation and world. MSU has had limited engagement in the study of these types of pathogens. However, recent faculty hires intentionally increase the University's ability to study these types of pathogens. At present, MSU currently supports such research within two modular containment trailers, and they are at capacity and reaching the end of their useful life. To support the current growth of research in this area, additional BSL-3 capacity is needed.



Office of the
Vice President
for Strategic
Infrastructure
Planning and
Facilities

Daniel J. Bollman
Vice President

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

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

Description of Project:

The University Research Containment Facility is west of Hagadorn Road in the agriculture district. The project will renovate space in the University Research Containment Facility, leveraging the utilization of existing space and Campus Animal Resource operations, to house Biological Safety Level-3 laboratories and associated support functions. The scope includes interior demolition, new mechanical equipment, isolation areas including shower in/shower out, animal holding, and autoclave room and associated scope necessary for select agent pathogen work and to ensure select agent certification. Upon completion the space will accommodate up to five faculty and allow for the decommissioning of two existing BSL-3 modular units that are approaching the end of their useful life.

The Design Builder is Granger Construction.

Communication Feedback:

Members of the campus community had opportunities to provide feedback during the planning phase. Any concerns they expressed have been addressed in the project design.

The Campus Infrastructure Planning Work Group supports the recommendation to proceed with the project.

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

Project Cost and Timetable:

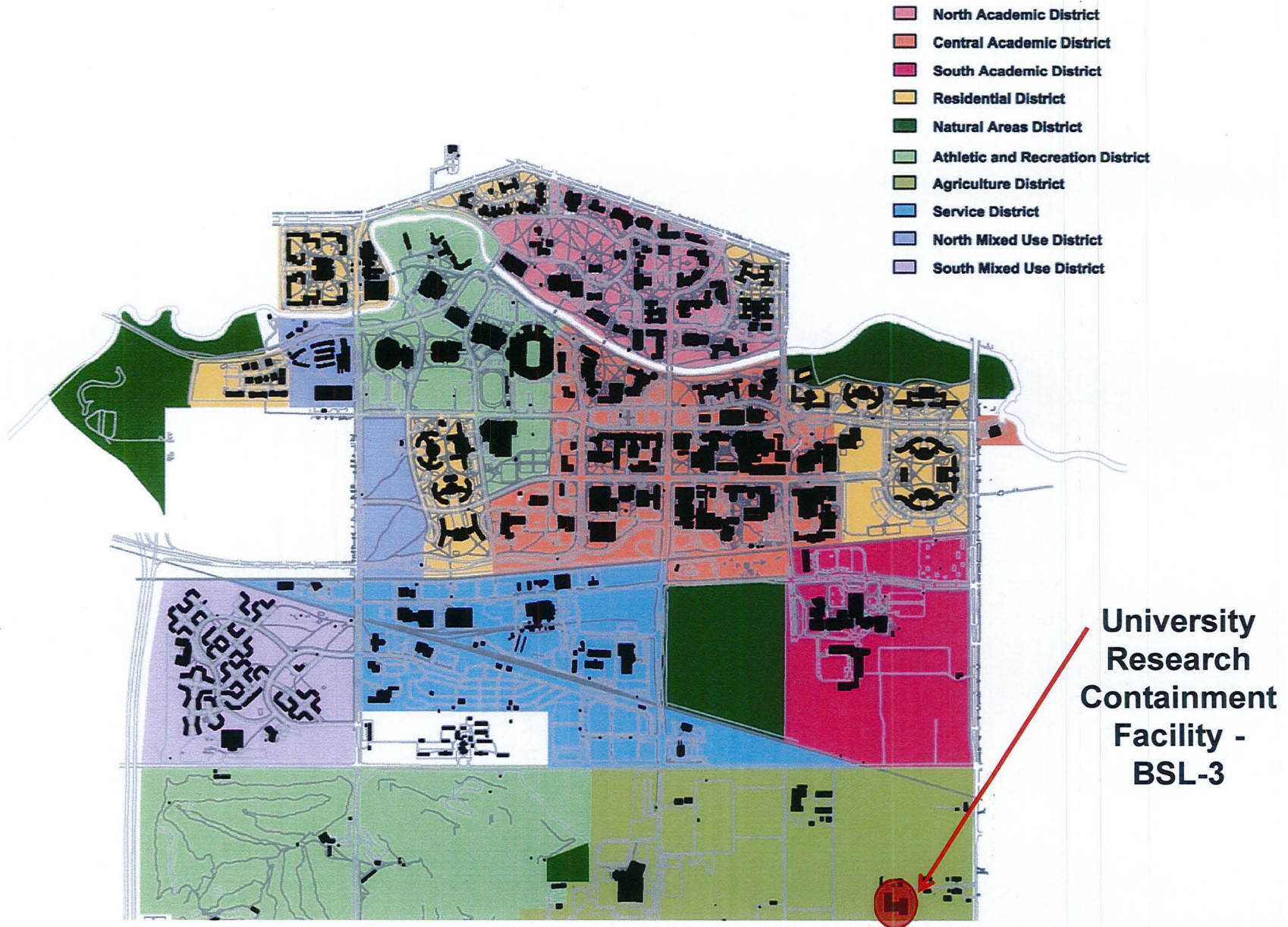
The budget for this Construction Manager project is \$3,500,000, including a \$342,127 contingency. The project will be funded by the College of Natural Science, AgBioResearch, Office of the Provost and Office of the Senior Vice President for Research and Innovation and/or debt financing with debt repayment from the above referenced units.

Construction is expected to begin in June 2019, with substantial completion in March 2020.

cc: Board of Trustees, S. Udpa, J. Youatt, K. Wilbur, N. Barr, M. Zeig, B. Quinn, V. Gore, M. Haas, C. Carter, J. Gaboury, L. Gremel, B. Kranz, M. McCabe, J. Mumma, J. Rayis, L. Adams, K. Oosterhoff, D. Gage

Project Approval - Authorization to Proceed
Biological Safety Level-3 Research Laboratory

MICHIGAN STATE
UNIVERSITY



Project Approval - Authorization to Proceed
Biological Safety Level-3 Research Laboratory

MICHIGAN STATE
UNIVERSITY

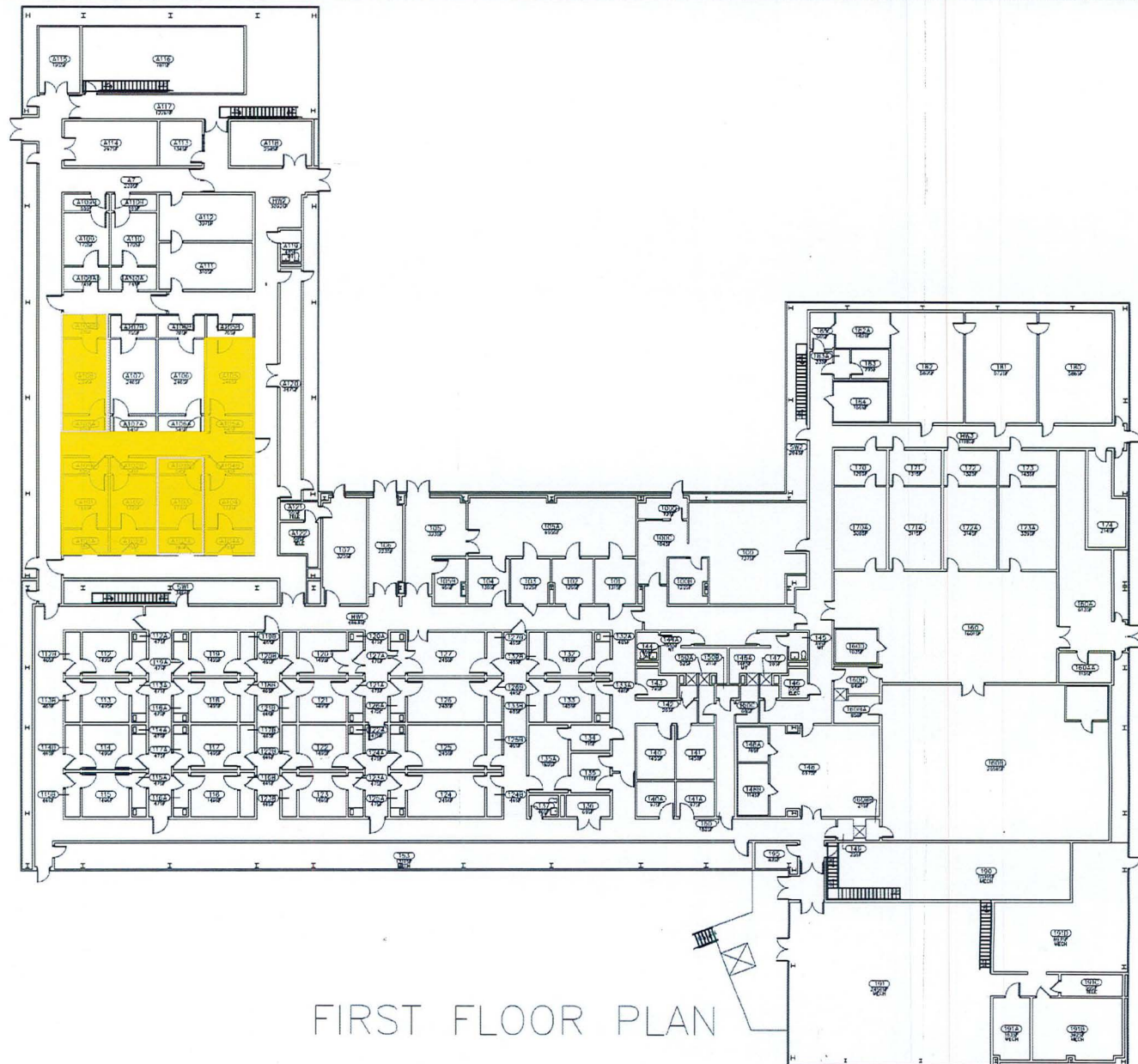
Existing condition of selected site



Project Approval - Authorization to Proceed Biological Safety Level-3 Research Laboratory

**MICHIGAN STATE
UNIVERSITY**

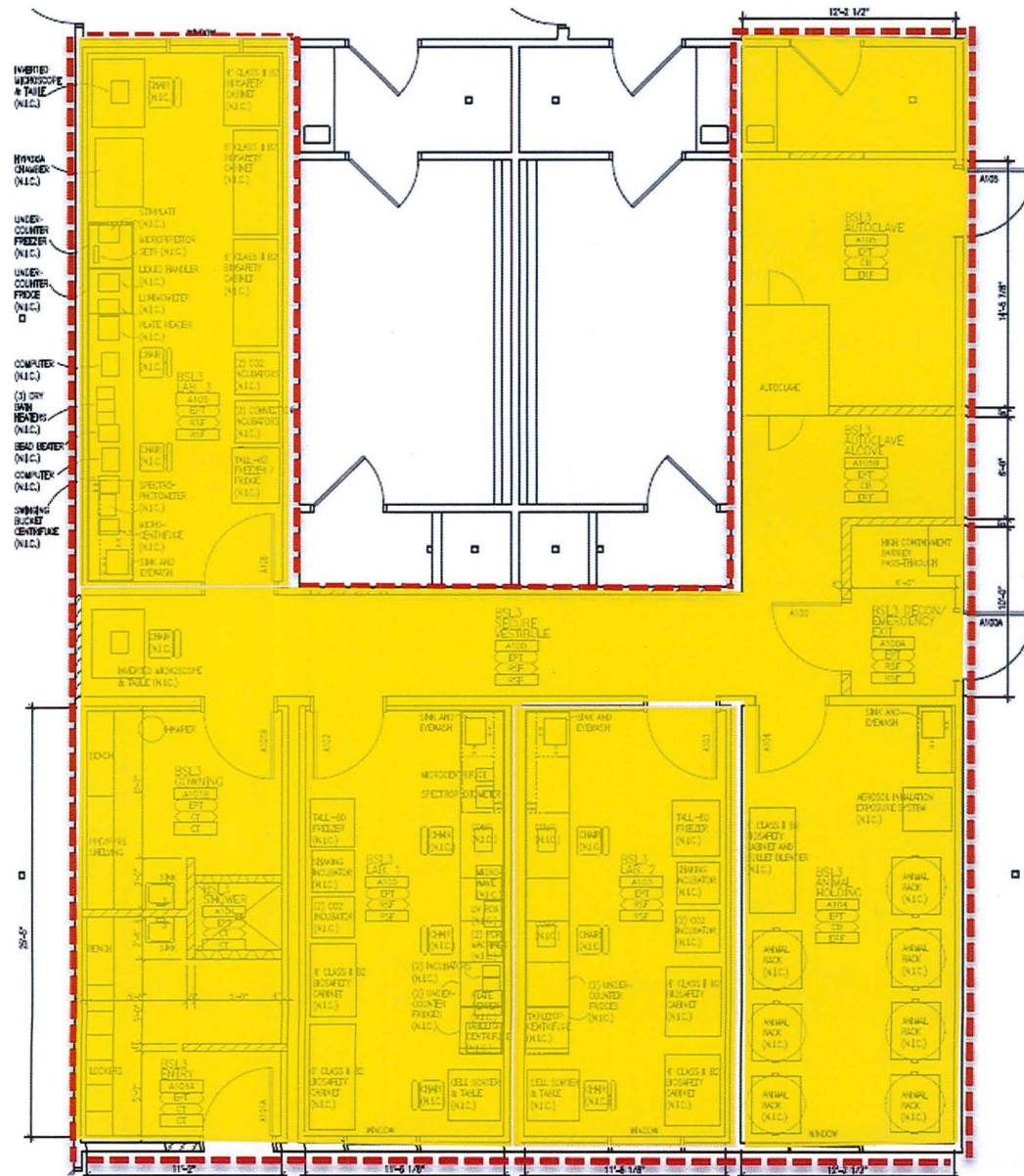
Existing Floor Plan



Project Approval - Authorization to Proceed Biological Safety Level-3 Research Laboratory

**MICHIGAN STATE
UNIVERSITY**

Proposed Floor Plan



Project Scope

MICHIGAN STATE **U N I V E R S I T Y**

October 26, 2018



MEMORANDUM

To: Committee on Budget and Finance

From: Daniel J. Bollman *Daniel J. Bollman*
Associate Vice President for Strategic Infrastructure Planning
and Facilities

Subject: **Authorization to Plan**
Biological Safety Level-3 Research Laboratory

RECOMMENDATION

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to plan for a Biological Safety Level-3 Research Laboratory expansion to accommodate the needs of recent faculty hires.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project entitled "Biological Safety Level-3 Research Laboratory."

BACKGROUND

Program Need:

Through its ongoing academic and capital planning efforts, the University has identified a need for additional Biological Safety Level-3 (BSL-3) research laboratory capacity. Harmful pathogens have emerged in recent years that affect both animals and humans and are a cause for concern for the health of the nation and world. MSU has had limited engagement in the study of these types of pathogens. However, recent faculty hires intentionally increase the University's ability to study these types of pathogens. At present, MSU currently supports such research within two modular containment trailers, and they are at capacity. To support the current growth of research in this area, additional BSL-3 capacity is needed.



Office of the
Vice President
for Strategic
Infrastructure
Planning and
Facilities

Daniel J. Bollman
Associate Vice President

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

517-355-3366
Fax: 517-353-8358
ipf.msu.edu

General Description of the Project:

As planning begins, the project is anticipated to evaluate potential locations for installation of a modular unit or renovation of existing space that can accommodate and support near-term BSL-3 laboratory needs.

Communication Plan:

Input will be solicited from the campus community during the planning phase.

Preliminary Project Cost Information:

Based on cost experience for similar projects and current pricing information the preliminary project cost estimate is \$1,500,000 - \$2,500,000. This estimate may change as the project and its scope are refined during the planning process.

The source of funds for the project is expected to be from the College of Veterinary Medicine, AgBioResearch, and the Office of the Vice President for Research and Graduate Studies and/or debt financing with debt repayment from the above referenced units.

cc: Board of Trustees, J. Engler, J. Youatt, S. Udpa, N. Barr, M. Zeig,
R. Young, V. Gore, M. Haas, J. Gaboury, B. Kranz, M. McCabe,
J. Mumma, J. Rayis, K. Watson, L. Adams, S. Hsu