

DESIGN AND PROJECT APPROVAL FOR EAST CAMPUS IT HUB
A Recommendation

1. **Division and Department:** University Technology Services, Facilities Management, Operations and Finance, and Chief Operating Officer.

2. **Introduction:** Oakland University's (University) Information Technology (IT) communications network cores currently exist in three locations: North Foundation Hall (NFH), Dodge Hall (DH), and O'Dowd Hall (ODH). NFH is the oldest building on campus and was established as the telecom demarcation point; that location was renovated in 2012. ODH was strategically established as the network core hub in 1990, with a fiber backbone plan approved by the Board of Trustees (Board) in 1989. The network core hub was upgraded in 1995, expanded in 2000, and expanded again in 2010 as part of the Human Health Building project.

In response to increasing technology demands and limited resources, University Technology Services (UTS) hired WTC Communications, Inc., to develop a strategic communications network plan in May 2007. The plan encompassed growth, capital budgets, redundancy, and distribution hardware, wireless, voice, and data networks. Parts of that plan were implemented in the above projects that occurred after 2007.

As the University continues to grow and rely on the communications network, the East Campus facilities have become increasingly important for executing fully redundant network pathways. Additionally, the Campus Master Plan requires reliable, resilient, redundant, and secure communications infrastructure. The facilities have not been updated to meet the security and business continuity requirement for 2019 and the future. Directions from the plans developed earlier were reviewed in consulting engagements with Harley Ellis Devereaux (HED) in 2016 and 2018. The resulting recommendations are to proceed with the East Campus facility as the most cost efficient and best technical option. HED recommended that the next phase of the strategic communications network plan be implemented.

This project will provide the East Campus with a new communications hub facility, new network server racks and cabling, a redundant and resilient Internet service connection, an additional network core, emergency power and generation, uninterruptible power supply, environmental systems and controls, and other critical network communications systems. Additionally, the new connection will be fully connected to the main campus IT infrastructure to implement a redundant loop providing resiliency and business continuity for all campus operations.

Per the Board's Contracting and Employment Appointment Authority Policy, "for any capital improvement project that has major aesthetic considerations, the administration shall obtain Board approval of the schematic design." Coordination with Meadow Brook Hall was performed to ensure that the building appearance is in compliance with the

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historical requirements. The Board approval of the schematic design of the Project is requested to continue with project design and construction.

Enclosed for the Board's consideration are the following components of the Design documents for East Campus IT Hub (Attachment A) that were prepared by HED:

- Site Plans
- Floor Plan
- Renderings

The Project Design has been developed based on extensive discussions with University Technology Services, HED, Meadow Brook Hall, and Facilities Management.

The East Campus IT Hub Project Team recommends Board approval of the Project Design and budget.

3. **Previous Board Action:** The Board approved the renovation of the North Foundation Hall Communication Core on December 3, 2012. The plan to implement the Fiber Backbone was approved in 1989, a network expansion upgrade for the ODH Network Hub was approved in 1995, network expansion was approved in 2000 and again in 2010 as part of the Human Health Building project.

4. **Budget Implications:** The total project cost of \$2,770,338 will be funded by reserves and/or bonds.

5. **Educational Implications:** The East Campus Communications IT Building and redundant loop will ensure reliable and consistent Internet communications and network services to students, faculty, and staff.

6. **Personnel Implications:** None.

7. **University Reviews/Approvals:** On February 12, 2018, the President's Cabinet approved funding to initiate the design of a building to house the UTS equipment that would have the same visual appearance of the adjacent horse barn structure.

On December 19, 2018, the campus Historical Resources Administrators Team approved the design and appearance. This recommendation was formulated by the Chief Information Officer and the Associate Vice President for Facilities Management, and reviewed by the East Campus IT Hub Project Team, the Chief Operating Officer, and the President.

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8. Recommendation:

RESOLVED, that the Board of Trustees approves the Project for the East Campus IT Hub Building with a total cost for all General Contractor construction services by Motor City Electric Co. will be within a not-to-exceed budget of \$2,770,338, which includes design, construction, project management and the owner contingency; and, be it further

RESOLVED, that the Board of Trustees authorizes the President and the Chief Operating Officer, and their respective designees, to perform all acts and deeds and to execute and deliver all contracts, instruments, and documents required by this resolution that are necessary, expedient and proper in connection with the East Campus IT Building and the ongoing administration of the Project; and, be it further

RESOLVED, that said contracts, instruments, and documents shall be reviewed by and be in a form acceptable to the Vice President for Legal Affairs and General Counsel prior to execution, and be in compliance with the law and with University policies and regulations and conform to the legal standards of the Vice President for Legal Affairs and General Counsel.

9. Attachments:


A. Design Documents for East Campus IT Hub

Submitted to the President
on FEB. 4, 2019 by



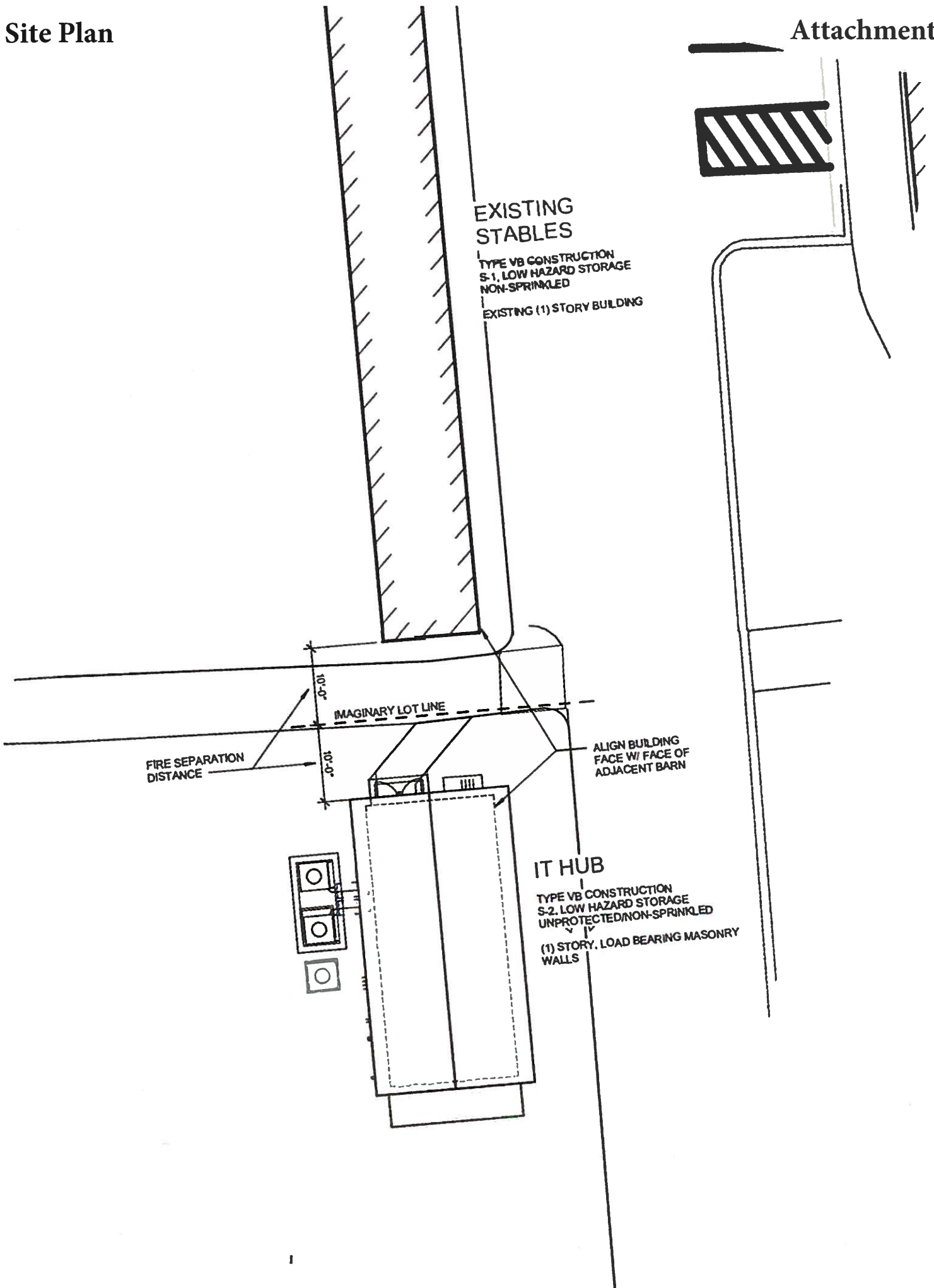
Scott G. Kunselman
Chief Operating Officer

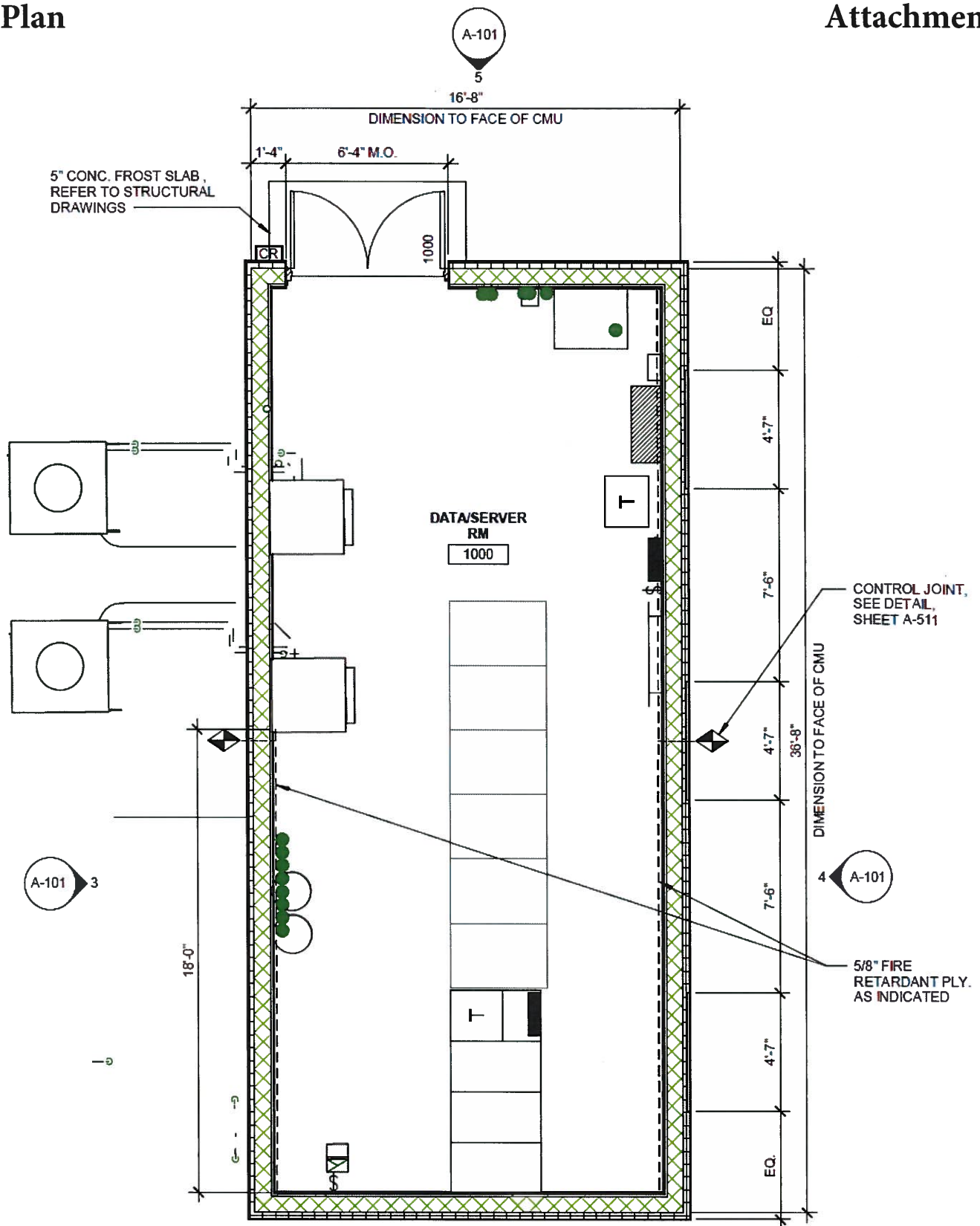
Recommended on 2/4, 2019
to the Board of Trustees for approval by



Ora Hirsch Pescovitz, M.D.
President







FLOOR PLAN

SCALE: 1/4" = 1'-0"

Rendering

Attachment A

