

Inver Hills Community College **Technology & Business Center**



SCHEMATIC DESIGN PRESENTATION
SEPTEMBER 11, 2019

AGENDA

1. Executive Summary
2. Existing Site and Building
3. Proposed Site Plan
4. Exterior Perspectives
5. Proposed Floor Plans
6. Interior Perspectives
7. Sustainability Features
8. Schedule Milestones
9. Budget
10. Q&A

EXECUTIVE SUMMARY

- Critical renovations to the existing Business Building to support teaching and learning
- Reconfigure faculty offices to allow better access and more space to meet with students, including space to conduct student advising.
- Create 15 technology-rich and accessible classrooms
- Provide greater flexibility in classroom configuration to support a variety of learner-centered pedagogies.
- Enhance STEM program labs and support spaces
- Increase student study spaces

EXECUTIVE SUMMARY

- Improve space utilization
- Bring more natural light into the building
- Update furniture, fixtures, and equipment
- Address infrastructure challenges including a new HVAC system to increase comfort, performance and efficiency in the building
- Update electrical infrastructure to prevent brown-outs
- Replace roof, and exterior finishes
- Corrective action to the building envelope to eliminate current water intrusion issues

EXISTING SITE



EXISTING SITE



Community Garden

Heritage Hall

Business Building

Science Building

Campus Mall

College Center

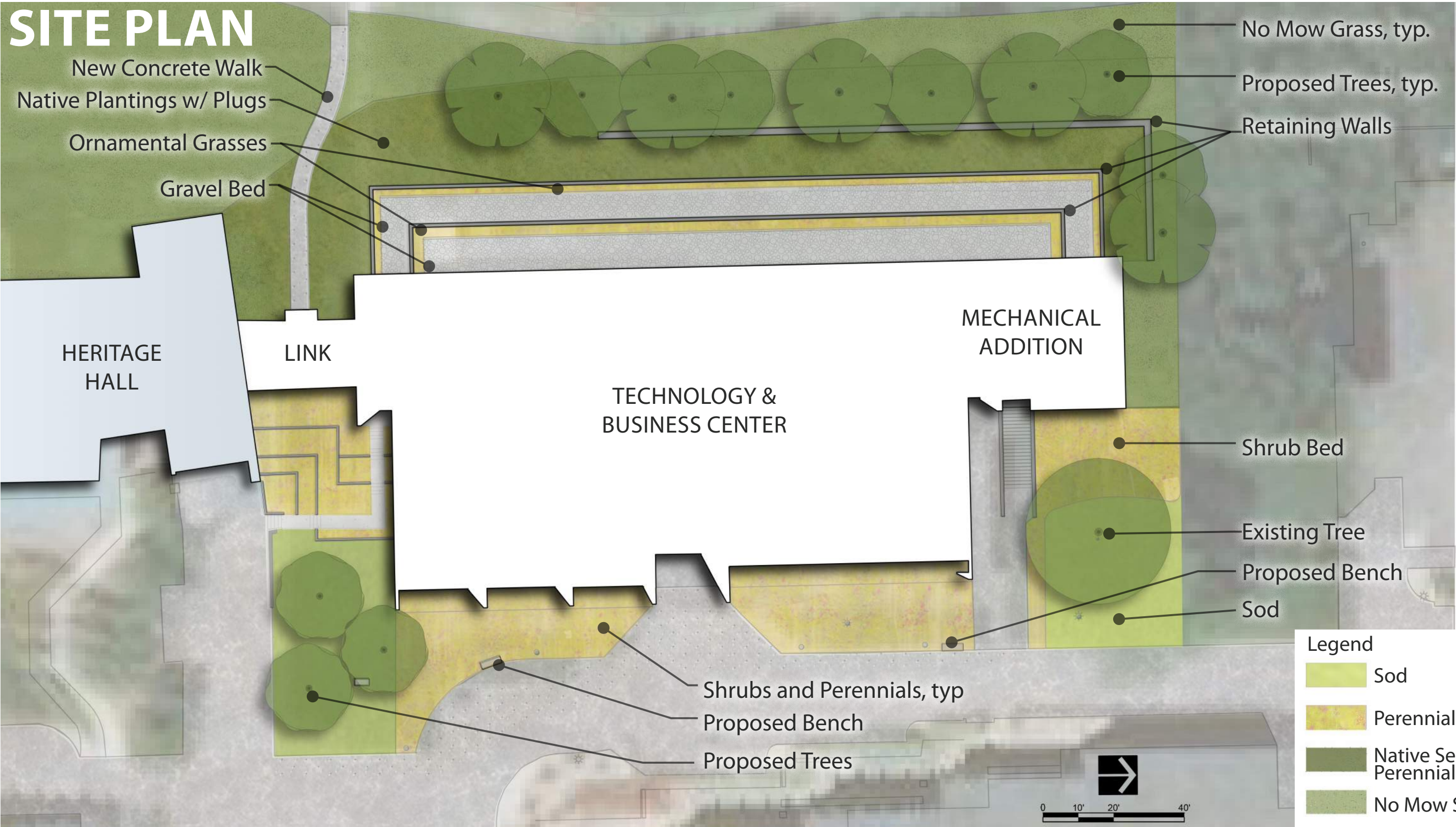
EXISTING SITE AND BUILDING



EXISTING BUILDING



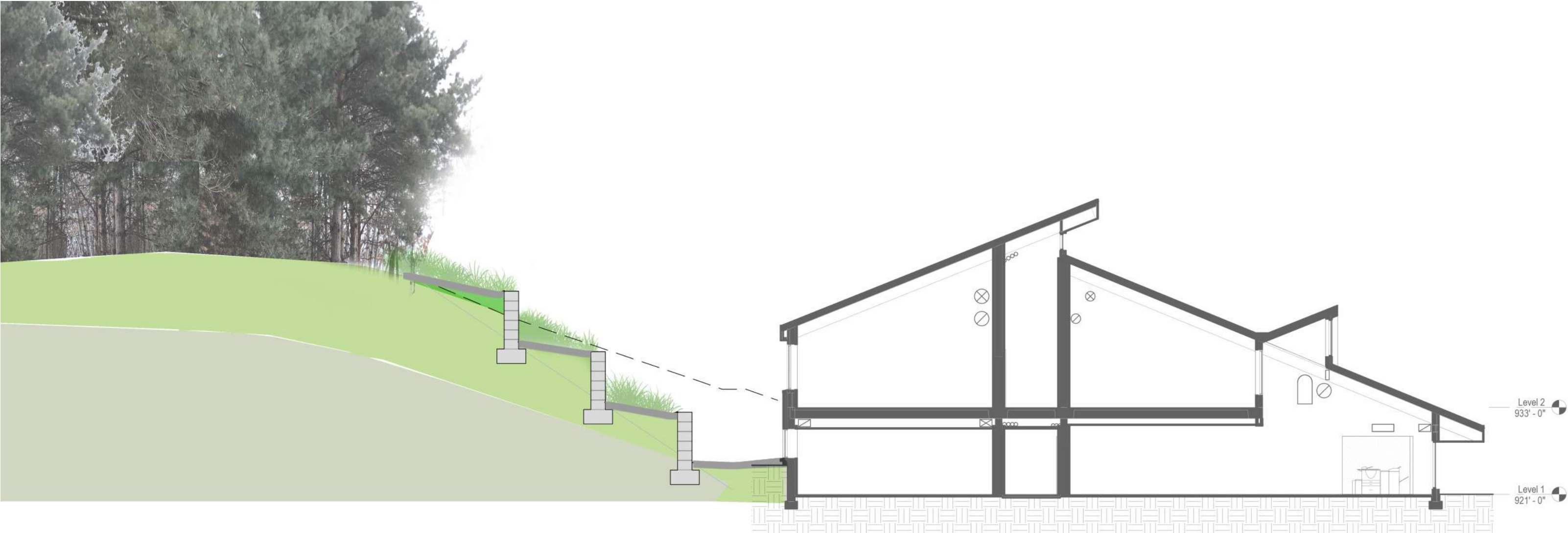
SITE PLAN



EXISTING SITE SECTION



PROPOSED SITE SECTION



EXTERIOR PERSPECTIVES



EXISTING
9.11.2019

EXTERIOR PERSPECTIVES

EXISTING



FLOOR PLAN - LEVEL 1

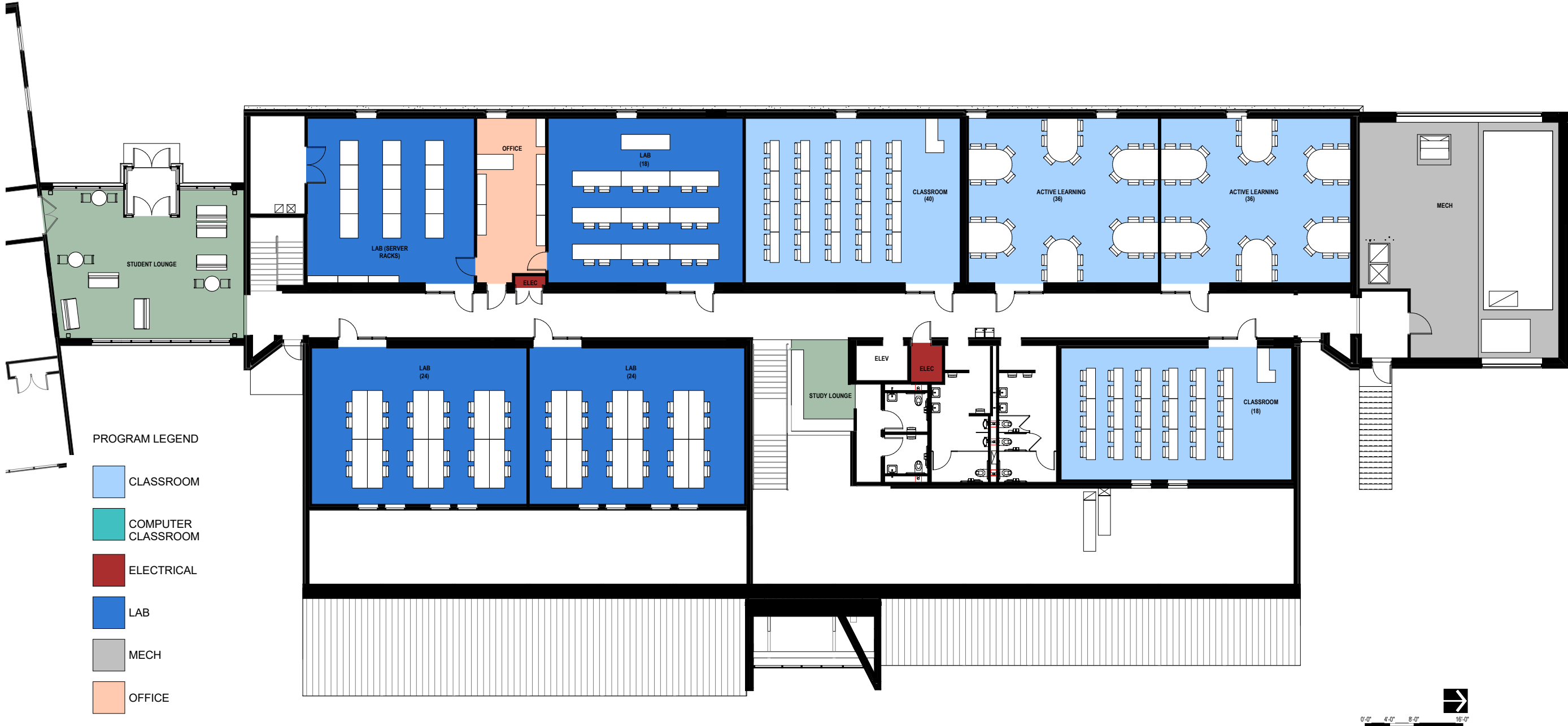


PROGRAM LEGEND

- CLASSROOM
- COMPUTER CLASSROOM
- ELECTRICAL
- LAB
- MECH
- OFFICE



FLOOR PLAN - LEVEL 2



INTERIOR PERSPECTIVES



OFFICE



2ND FLOOR CLASSROOM

INTERIOR PERSPECTIVES



SUSTAINABLE DESIGN FEATURES

- Low maintenance native prairie plantings
- Stormwater treatment system, complying with B3 Requirements (Version 3.0), located near existing stormwater infiltration areas
- Reuse of existing exterior walls and structural systems
- Use of recycled content and low VOC interior finishes
- Introduction of additional daylighting into occupied areas
- Design of an open office environment for increased flexibility and lower material use
- Use of the existing campus-wide low-pressure steam system for heating
- Use of the existing campus-wide chilled water cooling system
- Metering of building plug loads
- Installation of a 7.7 kW photovoltaic (PV) system
- LED lighting with controls linked to the campus BAS system
- Complete with B3 Predesign Submittal; Design Phase is ongoing

SCHEDULE

Design Development

Sept. 16 - Dec. 13

Owner Review

Dec. 16 - Jan. 3

30% Construction Documents

Jan. 6 - Feb. 21

Additional Funding Received*

July 1, 2020

BUDGET

- Budgeted Cost of the Work \$11,948,000
- LHB's Schematic Design Cost Estimate (CPMI) \$11,222,100
- Construction Manager's Schematic Design Estimate (McGough) \$12,839,221

- Cost Reductions after Schematic Design: \$687,100
 - Roofing material, retaining wall material

- Construction Manager's Estimate after Reductions: \$12,152,121
(effectively "on budget")

- Currently carrying over \$2 million in design contingency and escalation
- Link size, retaining wall layout, development of HVAC systems, use of add alternates in Design Development

QUESTIONS

