Black Hawk College

District-Wide Facilities Master Plan

September 2013

DRAFT

The 2013 District-Wide Facilities Master Plan for Black Hawk College summarizes the master planning process, findings, and resulting recommendations for short-term and long-term growth and development of the college's two primary campuses located in Moline, Illinois (Quad Cities Campus) and Galva, Illinois (East Campus) as well as its satellite facilities.

The planning process was undertaken to support the college's Mission and Vision and is based on a detailed analysis of existing conditions, goals and objectives, and programmatic needs throughout the Black Hawk College community. Upon approval, this document is intended to serve as a guide for the community's investment, protection, and utilization of its valuable land and building resources as they are developed over time.

It is important to note that the Facilities Master Plan truly represents a "snapshot in time" and accounts for the college's current thoughts on how to best respond to potential future issues as they arise. With this in mind, the Facilities Master Plan must always be viewed as a "living document" that will inherently change over time as the institution's needs, challenges, and growth patterns change.

Acknowledgements

The District-Wide Facilities Master Plan for Black Hawk College was prepared with the assistance and input from numerous stakeholders throughout the college community. The planning team consisted of the following groups of individuals:

- Steering Committee
- Advisory Task Force
- Focus Groups
- Administrative Work Group

The Steering Committee was made up of the college's administrative team and representatives from the Board of Trustees and represents the group of individuals who are ultimately responsible for providing the long-term direction and vision for the college.

In addition to acting as the ultimate guiding force throughout the planning process, the Steering Committee provided confirmation at the conclusion of each workshop session that the planning team was ready to proceed to the next step in the process.

The Steering Committee included the following individuals:

David Emerick	Trustee
Donna Frye	Trustee
Evelyn Phillips	Trustee
Kylee Fox	Student Trustee
Dr. Thomas Baynum	President
Leslie Anderson	Vice President for Finance
Karen Boyd	Director of Human Resources
Liz Breedlove	Executive Director, East Campus Foundation
Chanda Dowell	Vice President for East Campus
Kathy Malcolm	Director of Planning & Institutional Effectiveness
John Meineke	Director of Marketing & Public Relations
Dr. Bettie Truitt	Vice President for Instructional Services
Dr. Richard Vallandingham	Vice President for Student Services & Dean of Students

Acknowledgements

The Advisory Task Force was made up of a cross-section through the college community and included administrators, faculty, staff, students, and community members. The primary function of this group was to provide holistic input and feedback to the planning team throughout the planning process and to ultimately make planning recommendations for review and approval by the Steering Committee. During each workshop session, the Advisory Task Force served as the planning team's sounding board for ideas and concepts and was also instrumental in developing many ideas that were ultimately included in the plan.

The Advisory Task Force included the following individuals:

Name	Title
Name	Title

In addition to the Advisory Task Force and the Steering Committee, the planning team wishes to express its gratitude to the numerous members of the college's faculty, staff, students and community-at-large for their participation in focus group meetings as they provided the planning team with invaluable information regarding their specific areas/programs throughout the college.

Following is a list of focus groups that participated in the focus group sessions:

Quad Cities Campus

- Math / Speech
- Nursing / Health Careers
- Art / Music
- Business / Computer Science
- History / Social Sciences / English
- Library
- Engineering Technology
- Science
- International Studies / ESL
- Outreach Center / Adult Learning Center / Illinois workNet Center
- Athletics / Pool
- Foundation
- Facilities / Grounds
- Independent Learning Center
- Student Services
- Student Government Association
- Veteran's Center
- Community

East Campus
- Equine
- Agriculture
- Auto / Agricultural Mechanics
- Science
- Business / CIS
- Liberal Arts
- Facilities
- Library
- Athletics
- Foundation
- Student Services
- Student Government Association
- Community

District-Wide Operations
- Board of Trustees
- Campus Operations
- Finance
- Human Resources
- Information Technology
- Marketing & Public Relations
- Planning & Institutional Effectiveness
- Police

Finally, the Administrative Work Group was responsible for working with the planning team to develop the planning process and logistics plan, and to ensure that the process and overall schedule was followed by the planning team.

The Administrative Work Group included the following individuals:

Dr. Thomas Baynum	President, Black Hawk College
Mike Phillips	Former Vice President of Administrative Services

The Planning Team was led by Demonica Kemper Architects, working in conjunction with Hitchcock Design Group, Missman, Inc., and KJWW Engineering Consultants.

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Executive Summary

Executive Summary

The Facilities Master Plan document is a critical review of the existing facilities and land use for Black Hawk College and includes a plan of prioritized projects that respond to the challenges facing the college as it functions in a dynamic environment.

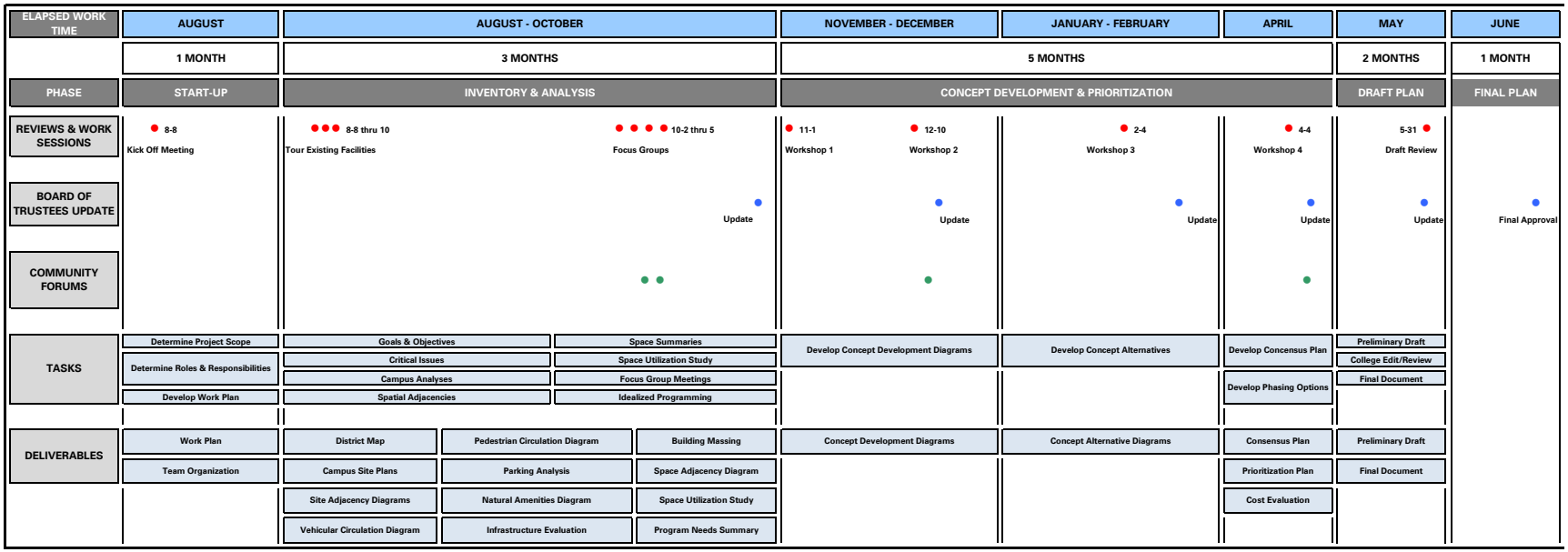
Purpose

The purpose of the Facilities Master Plan is to provide a rational and orderly plan to address existing concerns, provide for current needs, and accommodate future needs throughout the Black Hawk College District. In order to accomplish its mission and its strategic plan over time, the college will likely require additional facilities and improvements/upgrades to its existing physical resources.

The Planning Process

The facilities master planning process was organized into three distinct phases as follows:

- Phase 1 - Inventory & Analysis
- Phase 2 - Concept Development & Prioritization
- Phase 3 - Master Plan Development

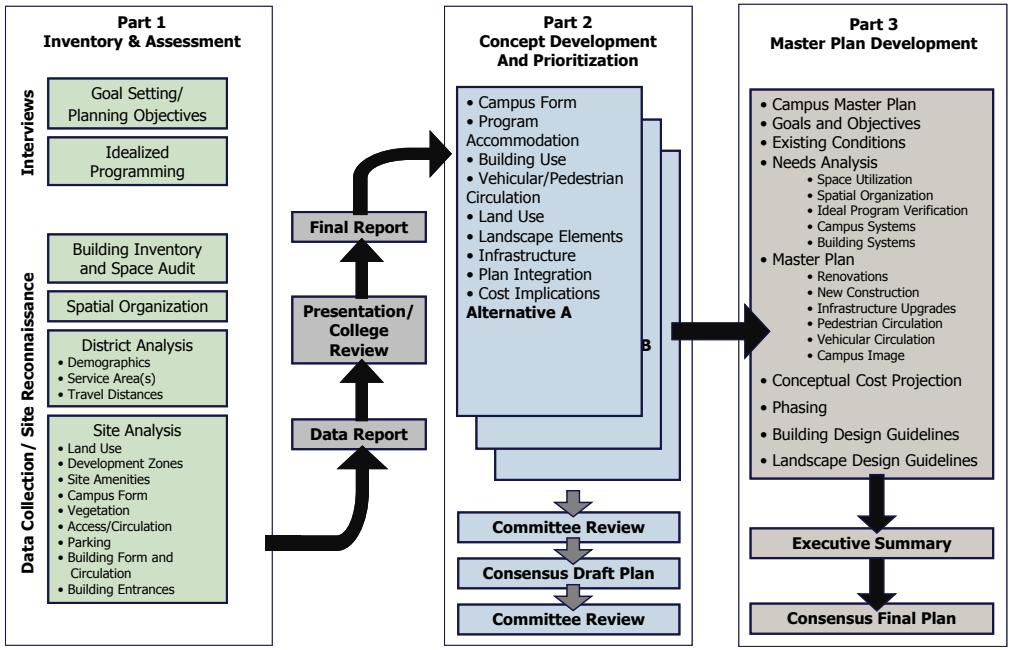


Phase 1 – Inventory & Analysis
The Inventory & Analysis Phase included the evaluation and documentation of existing physical conditions and space use throughout the Black Hawk College facilities as well as an in-depth understanding of programmatic needs and critical issues to be addressed as part of the planning process. The evaluation of existing conditions was conducted through a series of site visits throughout the various college facilities as well as a thorough review of existing facility-related documentation provided by the college. The programmatic needs and critical issues were identified through a series of focus group meetings and interviews with numerous stakeholder groups throughout the college community. Once gathered and evaluated, this information was reviewed with the Advisory Task Force and Steering Committee and ultimately formed the basis upon which the master planning concepts were developed.

Phase 2 - Concept Development and Prioritization
Based on information derived during the Inventory and Assessment Phase, various concept alternatives were developed to address the concerns and issues that exist at each campus. Each alternative was tested against the planning objectives and the identified program needs to ensure that they met the needs of the college, and were reviewed in detail with the Advisory Task Force. This phase of the process was highly iterative and interaction with the Advisory Task Force and Steering Committee occurred primarily during a series of on-campus workshop sessions. Between the workshop sessions, the planning team documented, generated, and developed concepts and ideas for review at subsequent workshop sessions.

At the completion of this phase, a consensus plan was agreed upon, reviewed by the Steering Committee and ultimately served as the initial draft of the Facilities Master Plan.

Phase 3 – The Master Plan
The consensus plan underwent additional development through various stages of testing and refinement. Simultaneously, a prioritization plan along with cost estimates for each of the major projects identified in the master plan were developed and reviewed with the Advisory Task Force and Steering Committee for consensus. Ultimately, a final draft of the plan was prepared to clearly define the rationale and process for the planning effort.



College History

Black Hawk College began as Moline Community College in 1946 in Moline High School to accommodate World War II veterans seeking higher education. The college was organized into three divisions:

- Moline Cooperative Extension of the University of Illinois
- Terminal Course Division for career training
- Adult Education Division for personal enrichment

In 1961, Moline Community College became Black Hawk College, the first county-wide junior college in Illinois. The College expanded as neighboring school districts petitioned to join the College district, and in 1965, with the passage of "The Illinois Public Junior College Act," Black Hawk College became part of the state's system of higher education, committed to offering traditional liberal arts courses, occupational courses, and adult education courses at its campus in Moline.

At the request of citizens in Kewanee, the college expanded its operations to communities in the southeastern portion of the district. Instruction was delivered at the Kewanee National Guard Armory and at Kewanee High School beginning in 1967, and instruction began at the present site of the East Campus in 1971. The East Campus was operationally separate from the Quad Cities Campus from 1971-1989, and at the request of the college, the North Central Association (NCA) approved unification of the campuses in 1986. Subsequently, in 1989, the Illinois Community College Board (ICCB) recognized Black Hawk College as one college with two campuses. The two campuses continue to be united, with each offering a full complement of courses and curricula.

Black Hawk College currently operates within Illinois Community College District #503, an area encompassing approximately 2,200 square miles in nine counties within northwestern Illinois. The college serves nearly 20,000 credit and non-credit students in 56 degree and 48 occupational certificate programs.

Black Hawk College serves more people than any other institution of higher education in the Quad Cities area

Mission and Vision Statements

As the planning process began, it was important to be cognizant of the ideals under which the College operates. The Mission Statement and Vision Statement for the institution best summarize these ideals.

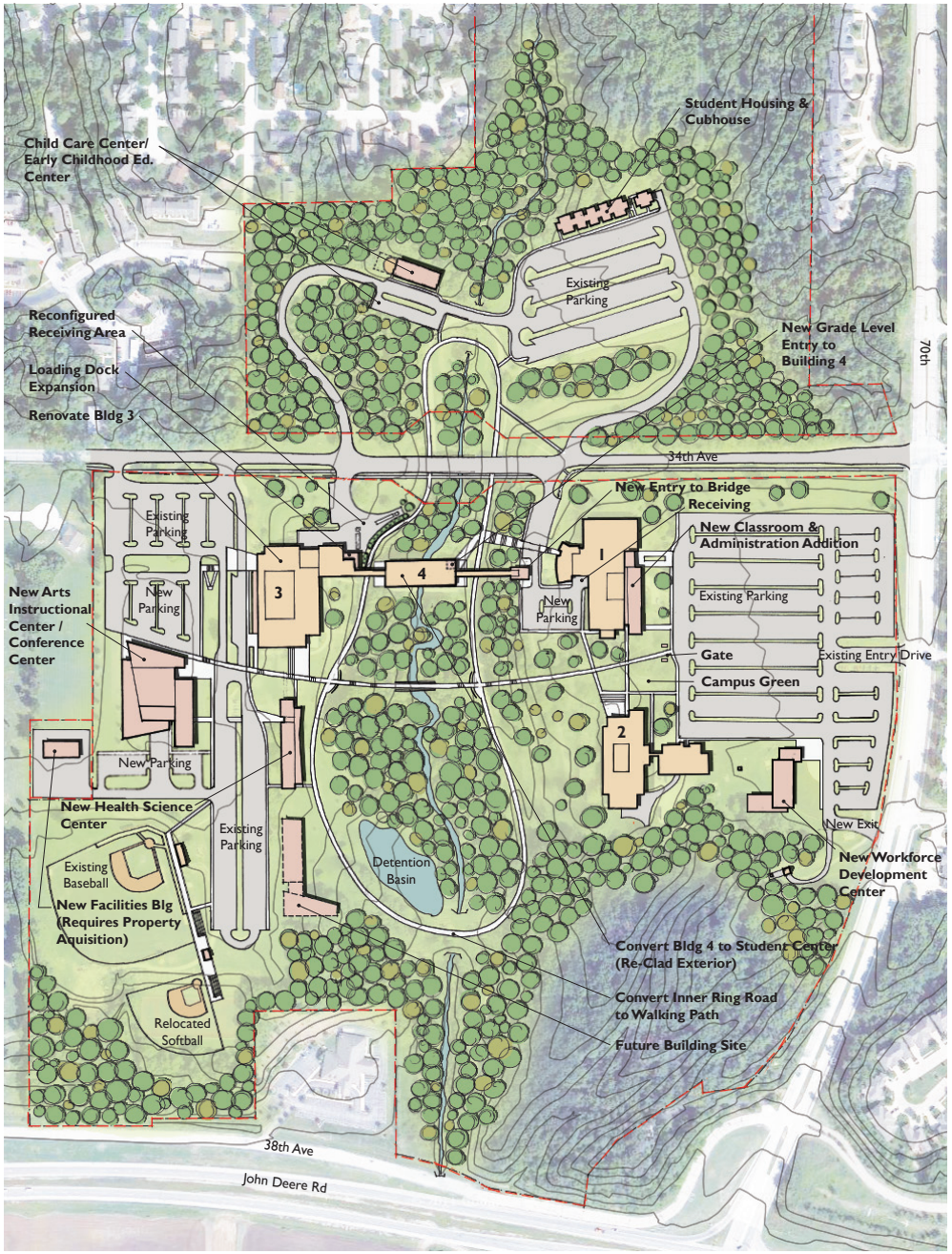
Black Hawk College's Mission Statement is as follows:
"Black Hawk College provides the environment and resources for individuals to become lifelong learners".

Black Hawk College's Vision Statement is as follows:
"Total accessibility, quality instructional programs, student-centered services, and strategic alliances position Black Hawk College as the preferred choice for education and training".

The Master Plan

The Facilities Master Plan illustrates the preferred direction for facilities growth and upgrades throughout the District. It identifies the intent of building organization, spatial organization, vehicular circulation and parking, pedestrian circulation, landscaping, and infrastructure needs as the facilities as are developed.

In addition to the development of new facilities on campus, numerous adjustments have been proposed to existing facilities in order to increase overall efficiencies for students and the


Child Care Center/ Early Childhood Ed. Center
Student Housing & Cubhouse
Existing Parking
Reconfigured Receiving Area
Loading Dock Expansion
Renovate Bldg 3
New Grade Level Entry to Building 4
70th
34th Ave
New Entry to Bridge Receiving
New Classroom & Administration Addition
Existing Parking
New Parking
New Arts Instructional Center / Conference Center
Existing Parking
Gate
Existing Entry Drive
Campus Green
New Parking
New Health Science Center
Existing Parking
Detention Basin
New Exit
New Workforce Development Center
Existing Baseball
New Facilities Blg (Requires Property Aquisition)
Convert Bldg 4 to Student Center (Re-Clad Exterior)
Convert Inner Ring Road to Walking Path
Relocated Softball
Future Building Site
38th Ave
John Deere Rd
1
2
3
4


Rt 34
Existing Parking Areas
Fitness Center (Re-Clad Exterior)
New Classroom Building
New Entry to Building A
Existing Buildings A, B, C
New Student Center / Multi-Purpose Room
Existing Science Wing
Existing Student Housing
New Student Housing
New Vet Tech Building
New Animal Science Building
A
B
C
Existing Parking Areas
New Parking Areas
New Parking Areas
Campus Green
New Stables
Existing Arena Building (Re-Clad Exterior)
7
IL 78
Existing Sanitary Treatment
Existing Organic Fields
Existing Turnout
New Ag / Auto Mechanics / Facilities Building
Future Building Site
Service Entrance
Arboretum / Nature Area
To Animal and Trailer Storage
Water Feature - Front Yard (Retention)
Trailer Parking
100th Ave
Fitness Trail

Implementation Plan

During the development of the Facilities Master Plan it was important to identify possible costs associated with each potential project in order for the college to understand the resources that will be required to implement the work. These costs also assisted in the overall prioritization of the work to ensure that the implementation plan was feasible.

It is important to note that the work as identified is not all intended to occur simultaneously. In fact, as the Master Plan on an ongoing basis, some of the items identified in this plan may, in fact drop off the list of priorities as the college's priorities evolve. At the same time, other concepts and ideas may be moved forward.

Quad Cities Campus

Priority A (Projects Previously Funded)		Estimated Cost
A1	Phase 1 Student Housing	By Developer
A2	New Health Sciences Center	$15,000,000
A3	Library Renovations, including New Elevator	$ 2,616,000
A4	Relocate IT Help Desk from Building 2 to Old Bookstore	$ 402,400

Priority B (Short-Term: 2 to 7 years)		Estimated Cost
B1	Renovate Building 3: Athletics, Fitness, Classrooms, Offices	$17,546,000
B2	Relocate Softball Field / Expand East Parking Lot	$ 1,440,000
B3	New Workforce Development Center	$19,286,400
B4	Renovate Building 2: Classrooms, Science Labs, Offices	$ 7,952,000

Priority C (On-Going Priorities)		Estimated Cost
C1	Convert Vehicular Circulation to Pedestrian Circulation	$ 2,010,000
C2	New Arts Instructional Center	$30,500,000
C3	Convert Building 4 into Student Center	$ 8,072,800
C4	New Classroom / Administration Addition to Building 1	$ 6,701,800
C5	Relocate Marketing / International Studies	$ 688,000
C6	Relocate IT from Balcony to Vacated Marketing / Foundation	$ 358,400
C7	Relocate HR to Balcony / Upgrade Finance Offices	$ 652,000
C8	Renovate Student Success Center	$ 1,663,200
C9	New Facilities / Storage Building	$ 2,620,000
C10	Phase 2 Student Housing	By Developer

East Campus

Priority A (Projects Previously Funded)		Estimated Cost
A1	New Welding Lab at the CEC	$ 4,080,000

Priority B (Short-Term: 2 to 7 years)		Estimated Cost
B1	Ring Road Extension and West Parking Areas	$ 1,440,000
B2	New Vet Tech Center / Animal Science Center	$ 9,092,000
B3	New Student Housing	By Developer
B4	New Ag / Auto Mechanics / Facilities Building	$10,220,000
B5	Convert Ag / Auto Mechanics Building into Fitness Center	$ 2,740,000

Priority C (On-Going Priorities)		Estimated Cost
C1	New Classroom Building	$15,080,000
C2	Demo Temp. Buildings / New Stables / East Parking Areas	$ 7,948,000
C3	New Student Center	$17,077,000
C4	New Entry at Building A	$ 1,072,800
C5	Development of Campus Green	$ 1,440,000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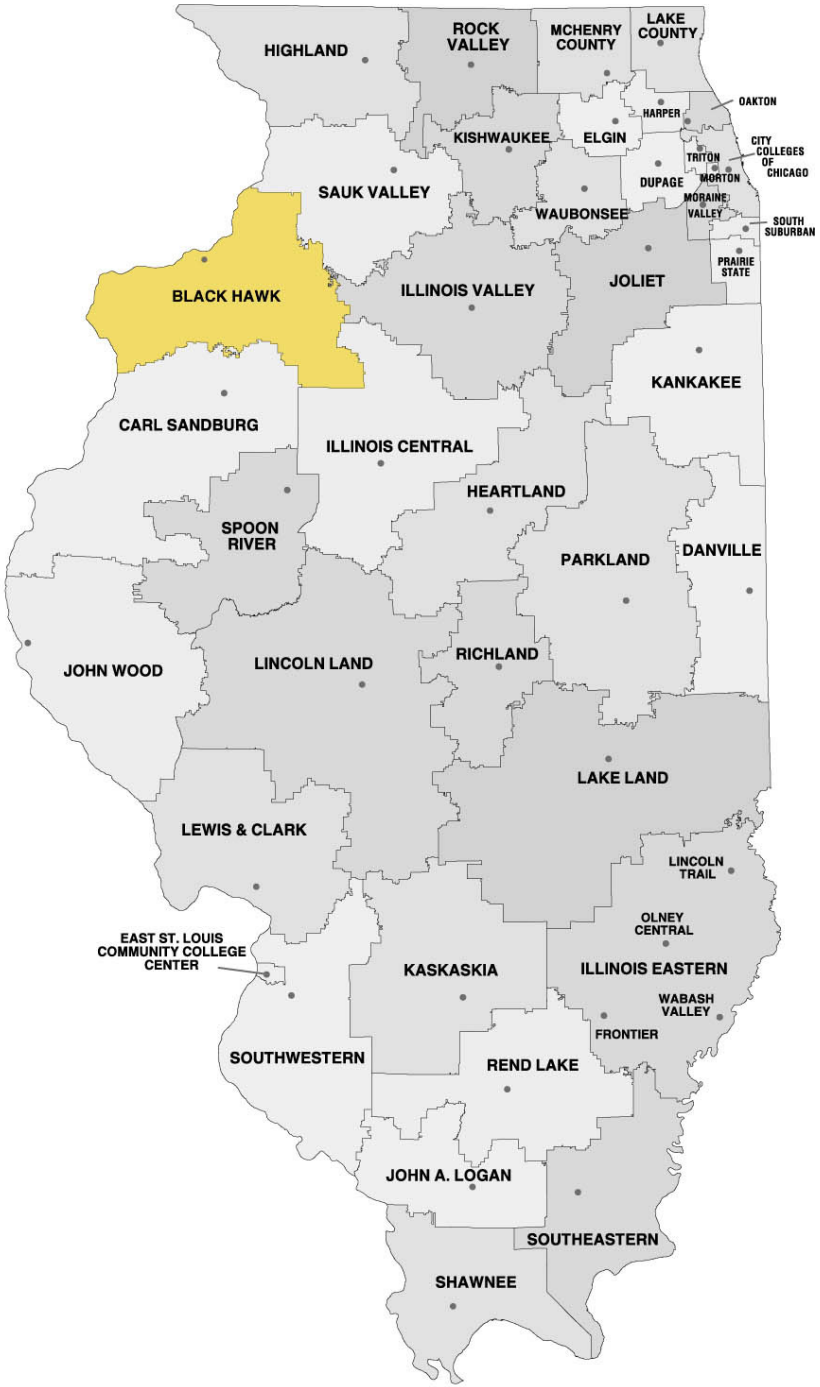
Existing Conditions

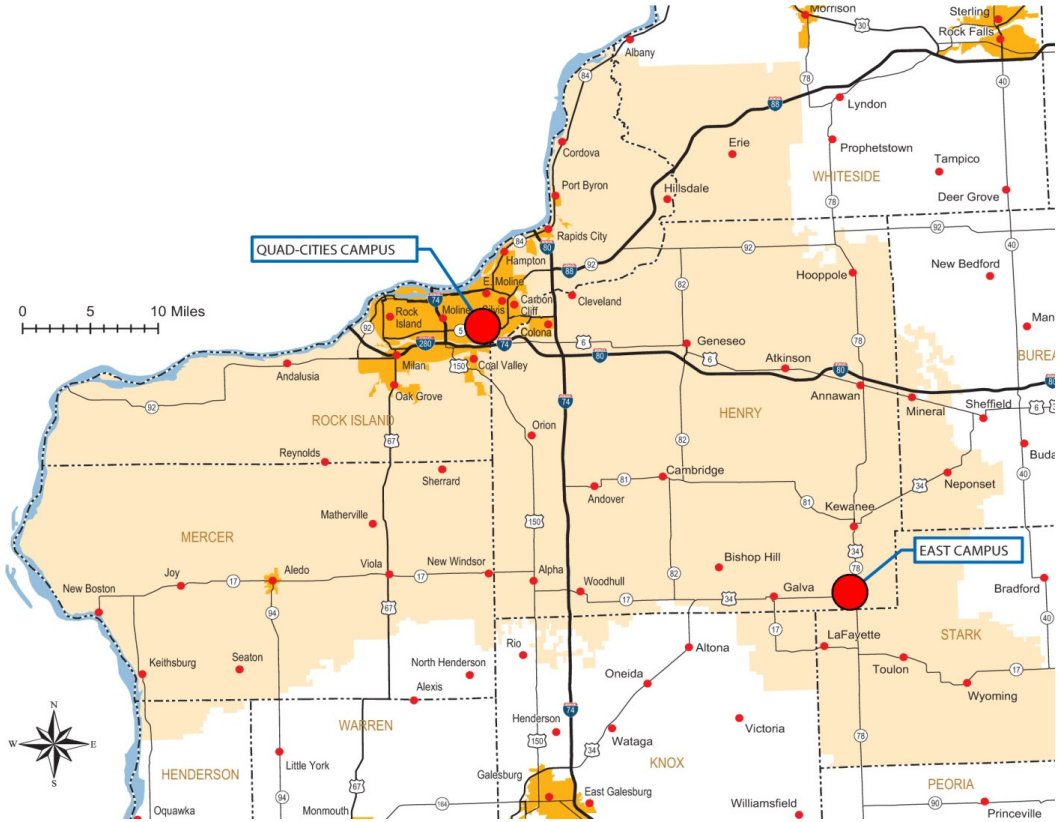
Existing Conditions

A series of investigations and analyses of the existing conditions for each campus location were undertaken to serve as a basis for the Facilities Master Planning process. These investigations provided the context and framework from which the planning options were developed, and were organized into the following components:

- The College District
- Campus Locations
- Site Adjacencies
- Vehicular Circulation
- Parking
- Pedestrian Circulation
- Athletic Fields
- Building Organization
- Natural Areas / Landscaping
- Campus Infrastructure
  - Site / Civil
  - Buildings

Analysis drawings were created to graphically document the existing conditions of the above items, and each drawing contains specific information that influenced how the overall plan was developed.





Black Hawk College District No. 503 is one of Illinois' 48 community colleges and encompasses 2,200 square miles in the northwest portion of the state. The District includes nine (9) counties (Bureau, Henderson, Henry, Stark, Whiteside, Knox, Marshall, Mercer, and Rock Island) and serves over 221,000 residents.

In an effort to better serve its residents, the college has developed two primary campus locations; the Quad Cities Campus, located in Moline, Illinois and the East Campus, located in Galva, Illinois. Additionally, each campus location has one or more outreach centers associated with it as follows:

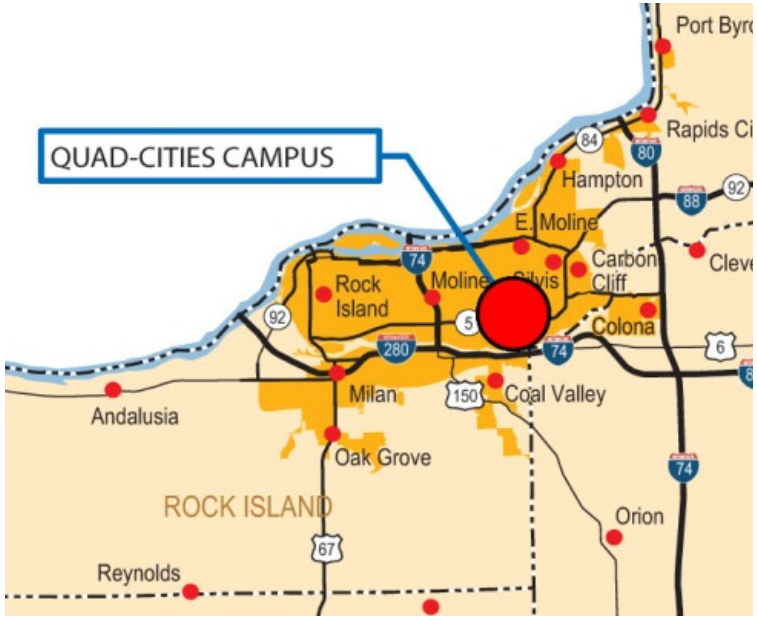
Quad Cities Campus
Outreach Center, *East Moline, Illinois*
Adult Learning Center, *Rock Island, Illinois*
Illinois workNet Center, *Moline, Illinois*
Industrial Training Lab Extension Center, *Moline, Illinois*

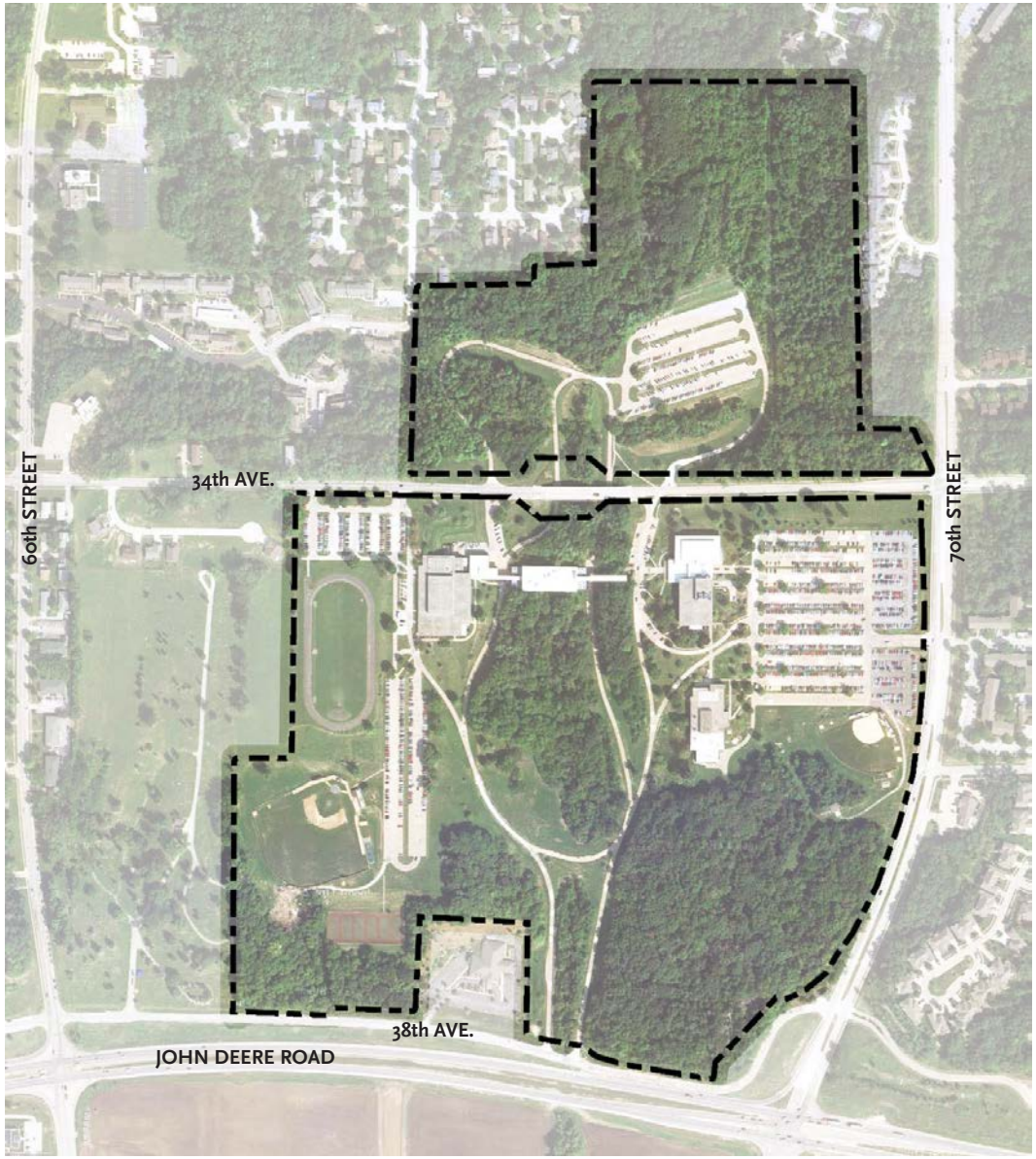
East Campus
Community Education Center, *Kewanee, Illinois*

Bordering the District boundaries are Sauk Valley Community College to the north, Carl Sandburg Community College to the south and Illinois Valley Community College and Illinois Central College to the east.

Quad Cities Campus

The Quad Cities Campus is located at 6600 34th Avenue in Moline, Illinois and is situated on approximately 161 acres of property in the northwest portion of the District. In addition to serving as the college's District Office, the campus serves approximately _____ students on an annual basis. Additionally, approximately _____ full-time faculty, _____ adjunct faculty, and _____ staff are employed by the college, making it one of the largest employers in the area.





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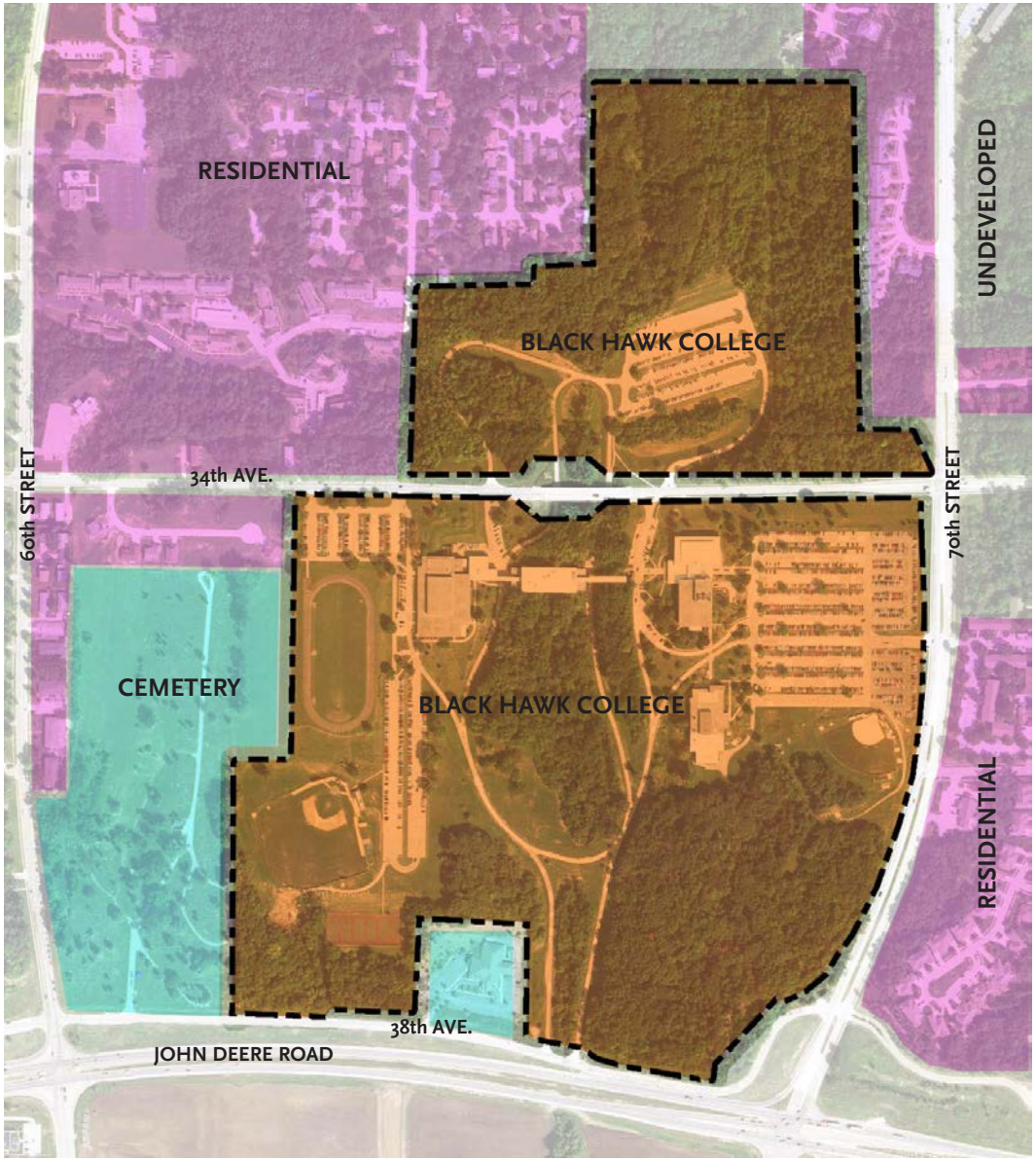


The Quad Cities Campus is bisected by 34th Avenue running in the east-west direction, thus creating north and south sectors of the campus.

The north sector is bounded by residential areas along the west and east and undeveloped area along its northern edge.

The south sector is bounded by a residential area at its northwest corner with cemetery property along the rest of its western edge. 38th Avenue, or Coal Town Road, runs along the south border with a portion of property carved out and dedicated to a local mortuary. 70th Street borders the campus's eastern edge with residential property east of this area.

Due to the proximity of the campus to the adjoining residential areas, it is important to be cognizant of the impact that any future development on campus may have on its surrounding neighbors. It is also important to understand opportunities for potential property acquisition adjacent to the campus should the need arise in the future.

Quad Cities Campus - Vehicular Circulation

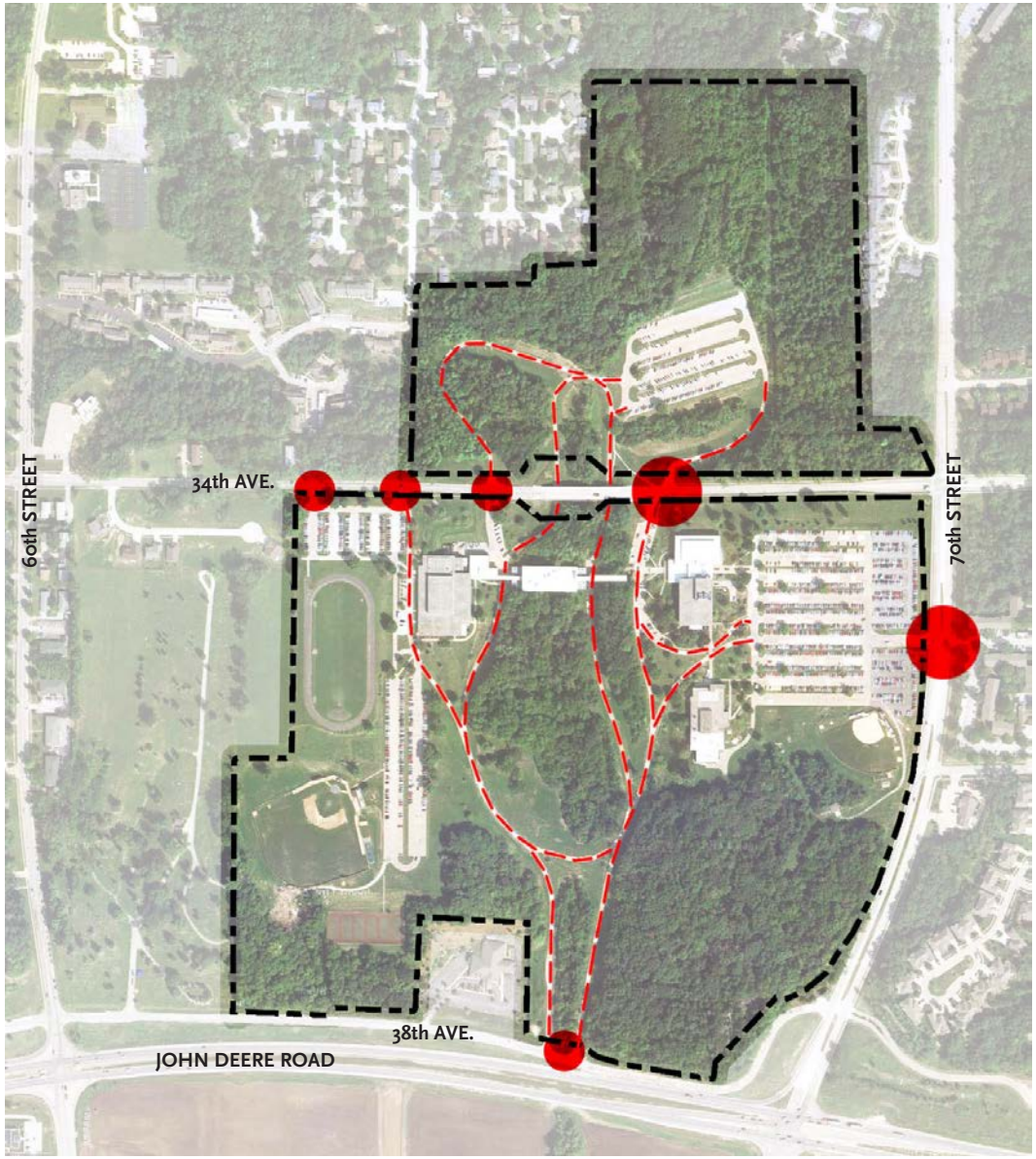
The Quad Cities Campus can currently be accessed from the surrounding neighborhood via 34th Avenue to the north, 70th Street to the east, or 38th Avenue to the south.

The recent construction of the new Student Services Center along the west side of Building 1 has created a new "front door" for the campus, specifically for first-time visitors and the community. As a result, the vehicular entrance off of 34th Avenue directly north of this new facility has been designated by the college as its main entrance. While this entrance is the official main entrance to campus, it is also important to note that the entrance off of 70th Street into Parking Lot 1 is the entrance that the vast majority of students, faculty, and staff access on a daily basis due to the relative size of Parking Lot 1 as compared to other parking areas on campus.

Additional entrances to the campus off of 34th Avenue have been created to access Parking Lots 2 and 3 on the west side of the campus, and an exit only drive exists onto 34th Avenue adjacent to the Receiving Area at Building 3.

An entrance and exit to/from campus also exists along 38th Avenue at the south end of the campus. This access point connects to a one-way vehicular circulation system that traverses through the center of the campus around the ravine. This roadway also connects the south sector of campus to the north sector under 34th Avenue, creating a separation between municipal traffic and campus traffic. It is also important to note that this circulation system conflicts with pedestrian walkways between Buildings 1 and 2 and pedestrians often use this roadway system as a walking path throughout campus which causes potential safety concerns with oncoming traffic.

Delivery vehicles currently access the Receiving Area adjacent to Building 3 by entering campus via 38th Avenue, traversing the one-way access road along the west edge of the ravine under the Building 4 bridge, then backing into the loading dock.



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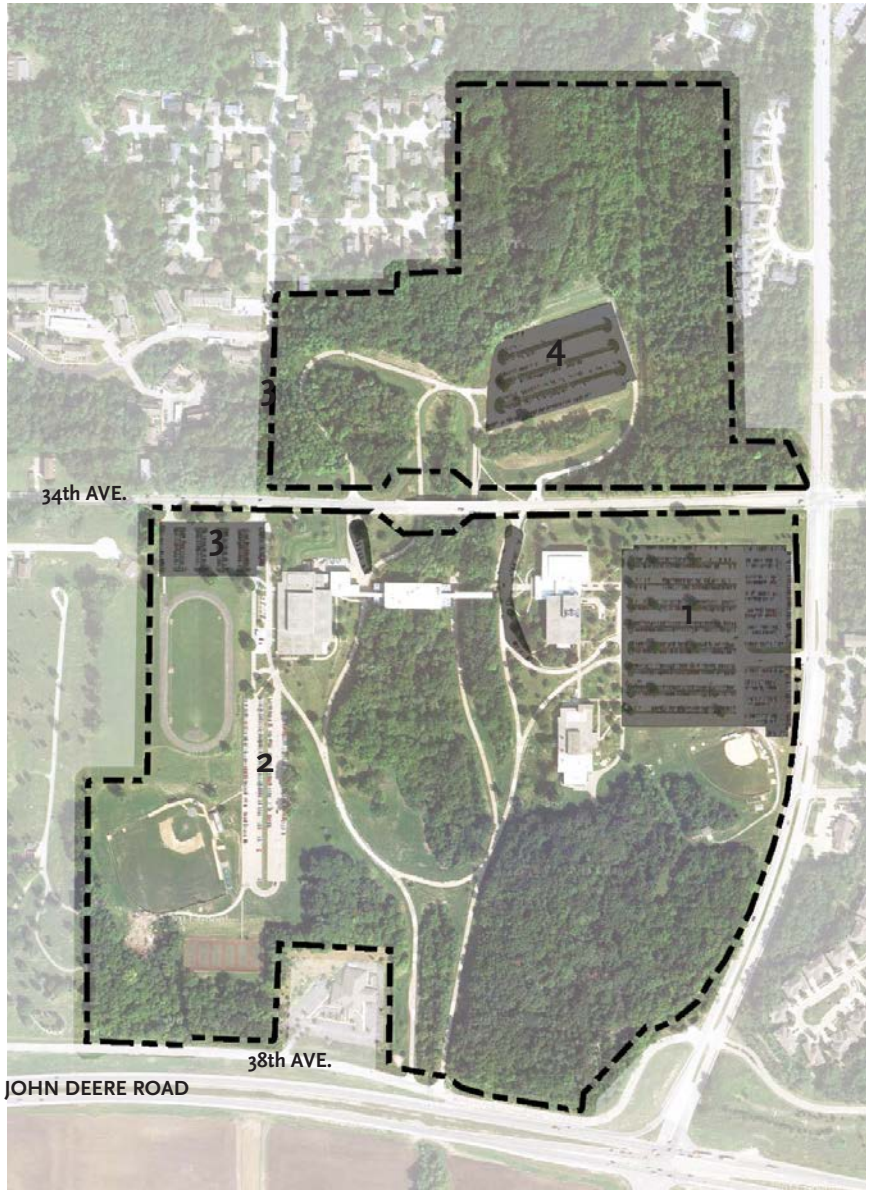


Vehicular parking for the Quad Cities Campus is accommodated through the use of surface lots located throughout the campus.

As indicated above, Parking Lot 1 is the largest parking lot, and therefore, the most heavily utilized parking lot on campus and is located on the east side of the campus. This lot accommodates approximately **1,076 vehicles** and can be accessed via 70th Street as well as the internal circulation system between Buildings 1 and 2. Because of the volume of vehicles housed within this lot, it was stated that two exits are required from this area to accommodate numerous vehicles exiting simultaneously during peak times throughout the day.

On the west side of the campus, Parking Lot 3 accommodates approximately **157 vehicles** and is accessed via 34th Avenue. This lot primarily serves the west side of the campus and is the primary lot for visitors coming to events and functions within Building 3. Similar to the relationship between Parking Lot 1 and Building 1, the image of the entry sequence between Parking Lot 3 and Building 3 is important to be aware of.

Parking Lot 2 accommodates approximately **291 vehicles** and is a linear parking lot extending in the north-south direction along the west side of the ravine. This lot is accessed by a drive running between Building 3 and Parking Lot 3 as well as by a spur from the internal one-way circulation system. Because of its proximity to the baseball field, Parking Lot 3 is also the primary parking area for games and events held at this location.

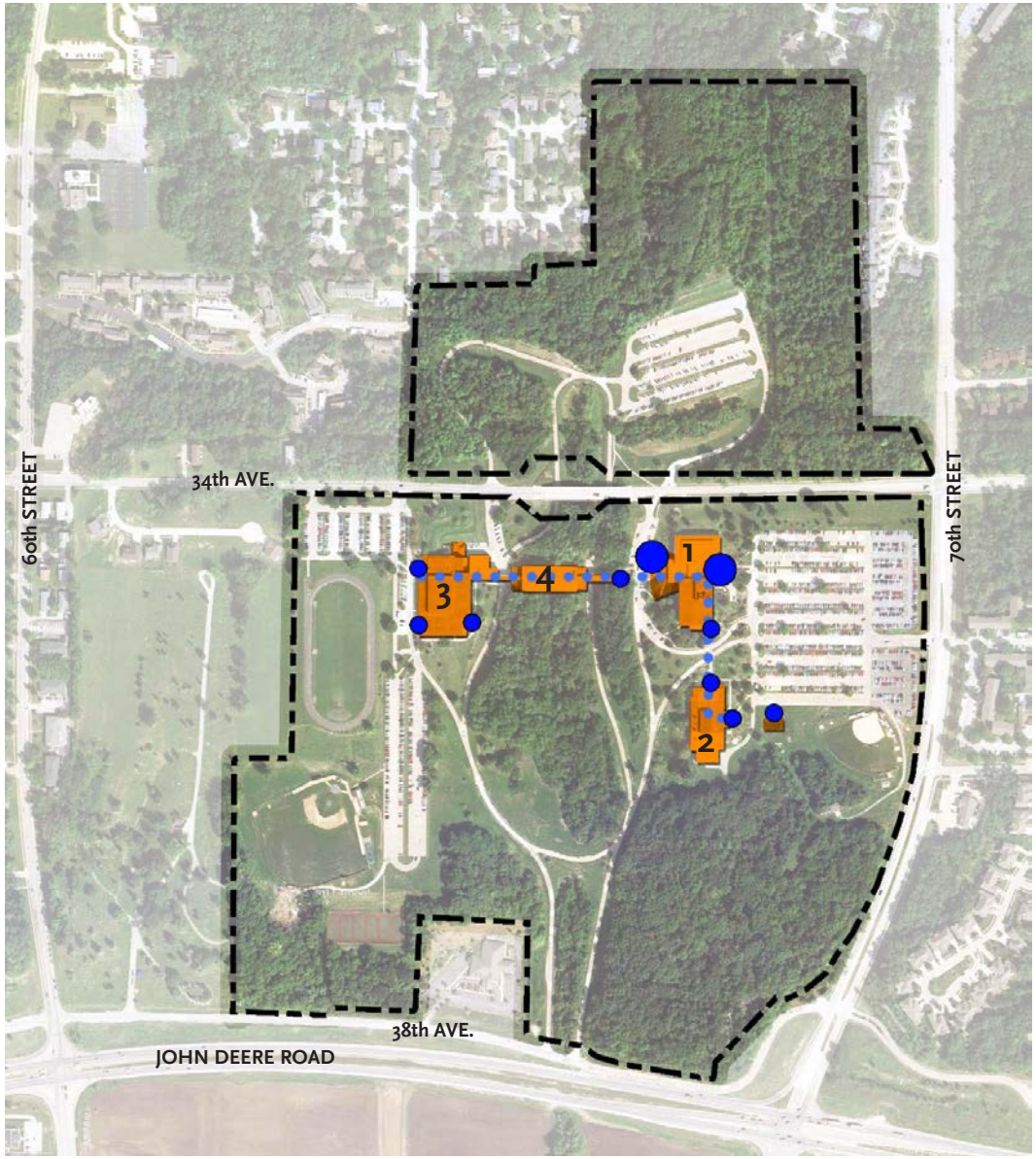
West of the new Student Services entrance at Building 1, there are also two small parking lots. The Administrative Lot accommodates approximately 23 vehicles and is reserved primarily for the college's administrative staff, while the Visitor's Lot accommodates approximately 26 vehicles and is reserved for short-term parking for students and community members needing to conduct business at the college.

Lastly, Parking Lot 4 is located north of 34th Avenue and accommodates approximately **303 vehicles**. This lot is primarily used as overflow parking, and because of its remoteness from the rest of the campus facilities, it is typically never full.

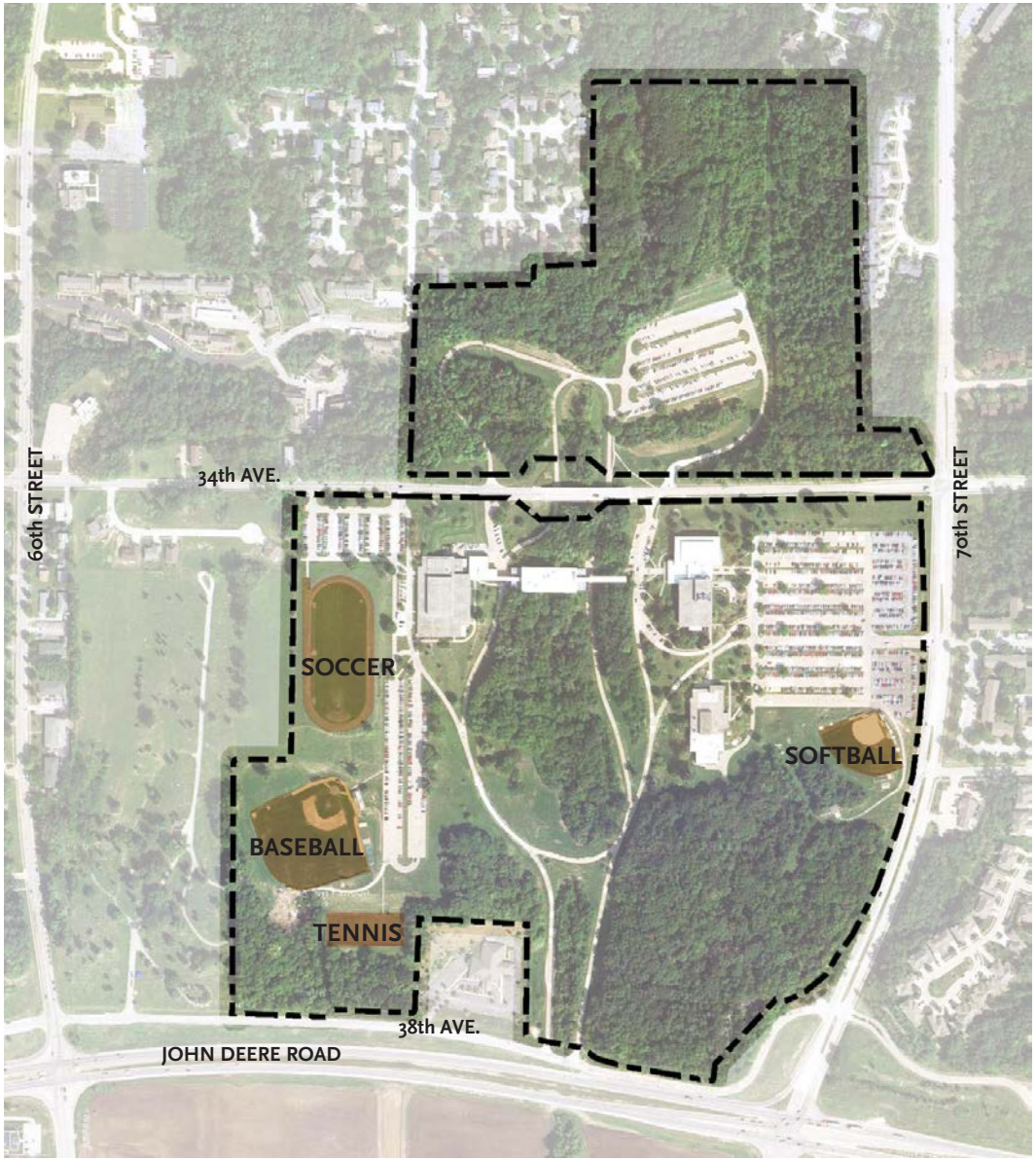
The existing ravine that bisects the campus in the north-south direction creates a unique pedestrian circulation pattern on campus. Because of this natural divide, the exterior pedestrian circulation is currently limited to walkways extending from Parking Lot 1 to Building 1, Building 2, and the Sustainable Technologies Building as well as between these buildings on the east side of the campus. On the west side, there are paths extending between Parking Lots 2 and 3 and Building 3. There are no exterior walking paths that connect the east side of the campus with the west side of campus, however, there is a stairway that extends from the visitor's parking lot in front of the new Student Services Addition down to an access point into the connecting link leading to Building 4 and eventually down to the internal vehicular circulation system. There is also a pedestrian walkway system that connects Parking Lot 4 up a set of exterior stairs across 34th Avenue toward the west entrance to Building 1. An alternative route from Parking Lot 4 is provided underneath 34th Avenue leading to the exterior stair up to the Building 4 connecting link.

In order to avoid potential conflicts with vehicular circulation between Building 1 and Building 2 as well as between Building 1 and Building 4, internal tunnels are provided for pedestrians. In addition to avoiding potential traffic conflicts, these tunnels also allow students, faculty, and staff to stay indoors when going from building to building during inclement weather.

As described previously, there are three perceived major entrances to the campus facilities: the "front door" located at the new Student Services Addition at the west side of Building 1, the east entrance to Building 1 that accepts students, faculty, and staff from Parking Lot 1, and the northeast entrance to Building 3 that leads to the swimming pool and other fitness areas. It is important to remain cognizant of these entrances as and to respect their overall role in the pedestrian circulation paths on campus.



Black Hawk College



At the time the Facilities Master Plan had begun, the existing athletic fields at the Quad Cities Campus included a soccer field and running track, a baseball field, abandoned tennis courts, and a softball field.

The soccer field and running track are no longer used by the college for competition, and due to ongoing maintenance costs, these facilities are no longer suitable for competitive sports without major upgrades.

As indicated above the tennis courts were abandoned by the college several years ago and during this planning process, the college has proceeded to remove the paved area for safety reasons and have begun infill the depressed area to make it more usable for other purposes.

The competition baseball field and softball field are in excellent condition and are still in use by the college to support the athletic program on campus. It was discussed during the planning process that the softball field is in an awkward location on campus, and that its current location may be better suited for future buildings or additional parking. It was also stated that it would be beneficial if the baseball field and softball field could be located adjacent to each other in order to create efficiencies with support facilities, maintenance, etc.

Quad Cities Campus - Building Organization

The Quad Cities Campus currently houses five (5) major facilities totaling approximately 341,880 square feet in area. Building 1, Building 2, and the Sustainable Technologies Building (STB) are located on the east side of the ravine while Building 3 is located on the west side. Building 4 is connected to Building 1 on the east and Building 3 on the west via connecting links and serves as the bridge connecting the east and west sides of the campus. As a result, Building 4 is located in the heart of the campus with tremendous views up and down the ravine.

Program spaces throughout the campus buildings were analyzed within each of the existing facilities in order to identify the following information:

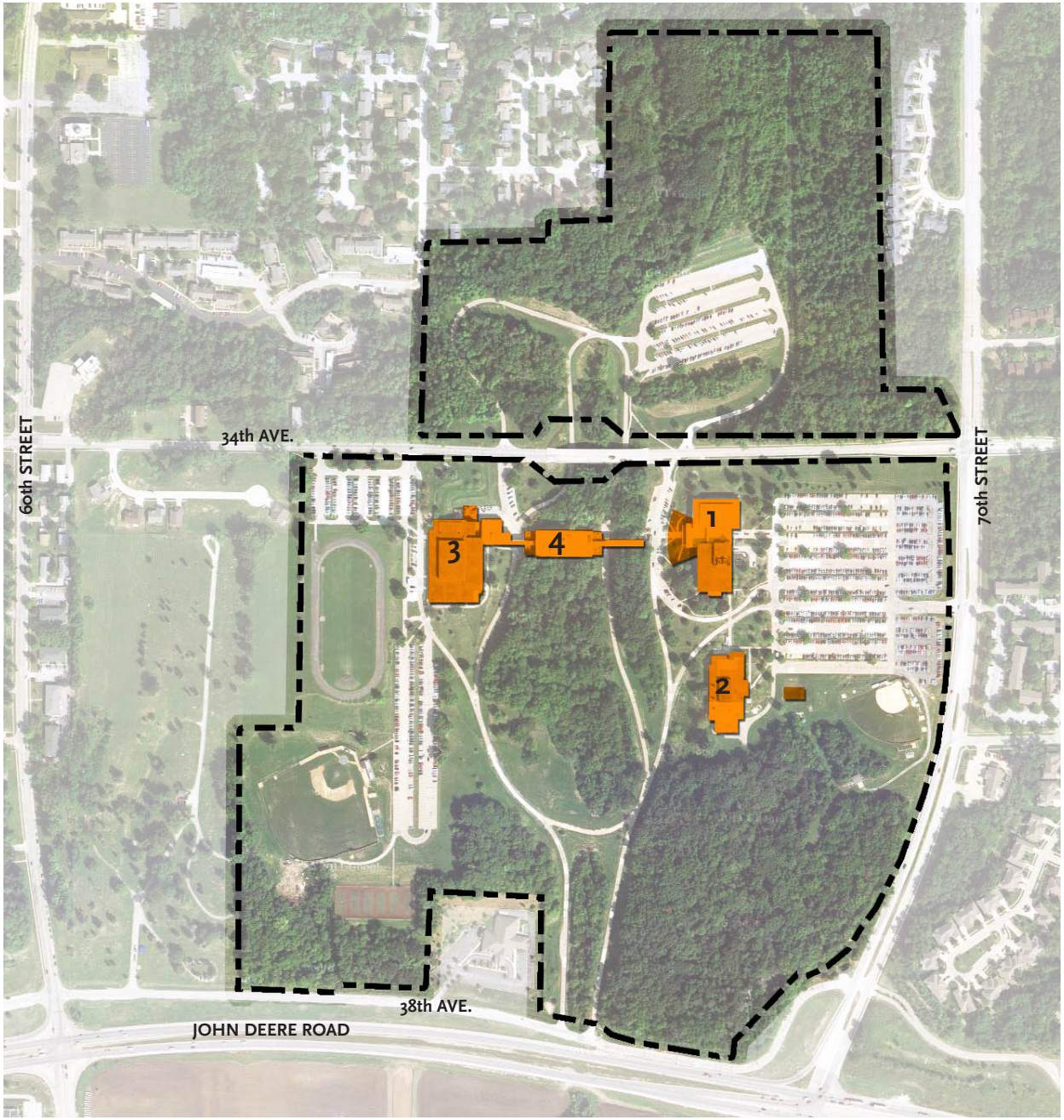
- Locations of spaces and functions on campus
- Adjacencies between various functions on campus
- Programmatic fragmentation within functional components

Areas of concern have been addressed as these issues were reviewed and discussed throughout the planning process.

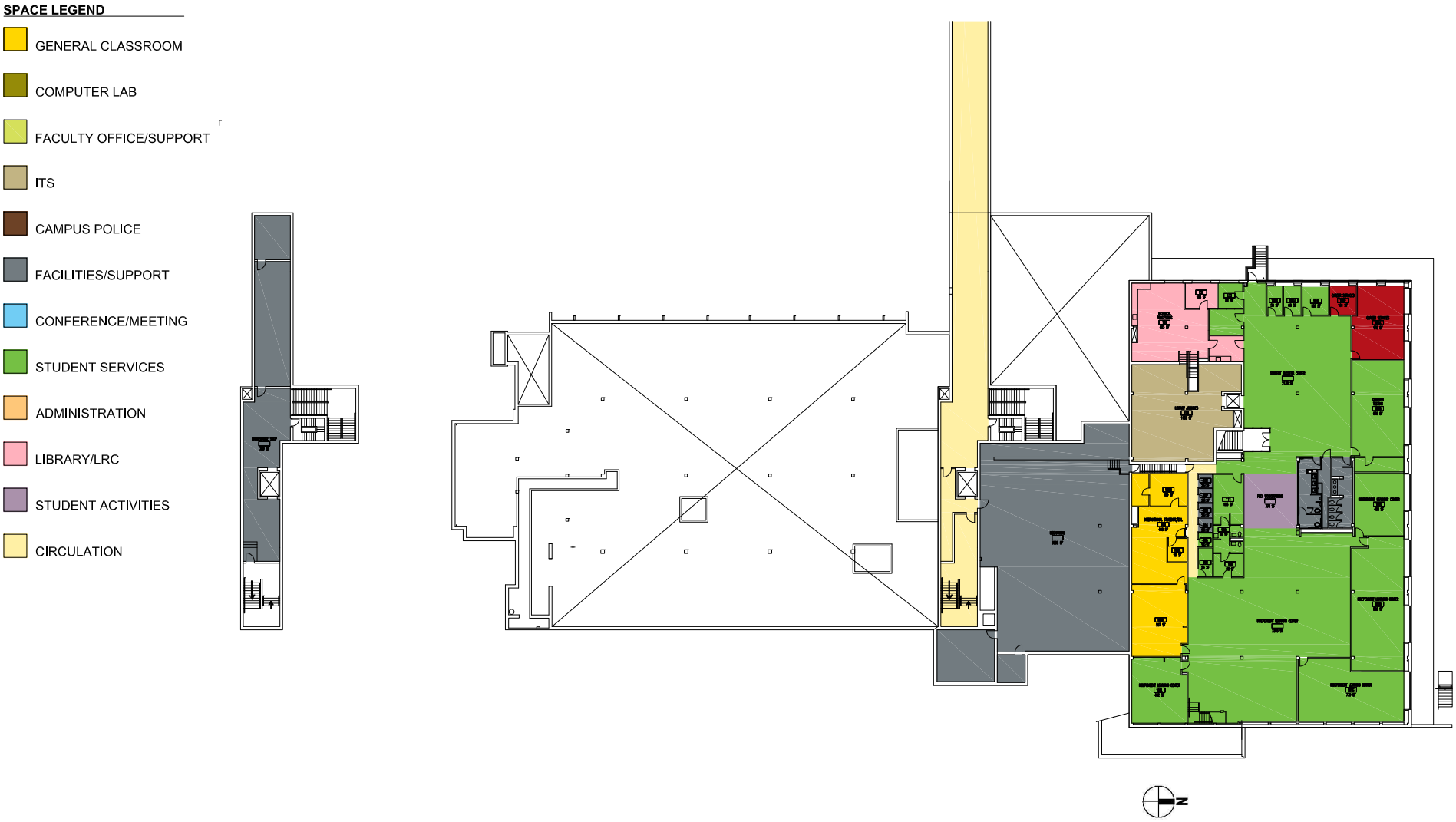
Following is a summary of the existing facilities at the Quad Cities Campus that house the primary programmatic functions for the college:

BUILDING	YEAR BUILT	LEVELS	GROSS SQ. FT.
Building 1 • Student Success Center • Library • Student Services • Administration / Board Room • IT/IR Offices • Dean's Offices • Auditorium • Classrooms • Faculty Offices	**1970**	**4**	**122,221**
Building 2 • Industrial Technology Labs • Science Labs • IT Help Desk • Tiered Lecture Hall • Classrooms • Faculty Offices	**1970**	**2**	**60,410**
Building 3 • Fitness Space • Athletics Space • Health Sciences Labs • Facilities Space • Ceramics Lab (Temporary Building) • Foundation Offices • Marketing Offices • Campus Police Offices • Classrooms • Faculty Offices	**1971**	**3**	**116,561**
Building 4 • Art Labs • Music Labs • Student Activities / Lounge Space • Foodservice	**1971**	**2**	**31,069**
Sustainable Technologies Building (STB) • Industrial Technologies Labs • Classrooms • Faculty Offices	**2012**	**1**	**11,619**

Black Hawk College


60th STREET
34th AVE.
70th STREET
1
2
3
4
38th AVE.
JOHN DEERE ROAD

Building 1- Existing First Floor Plan



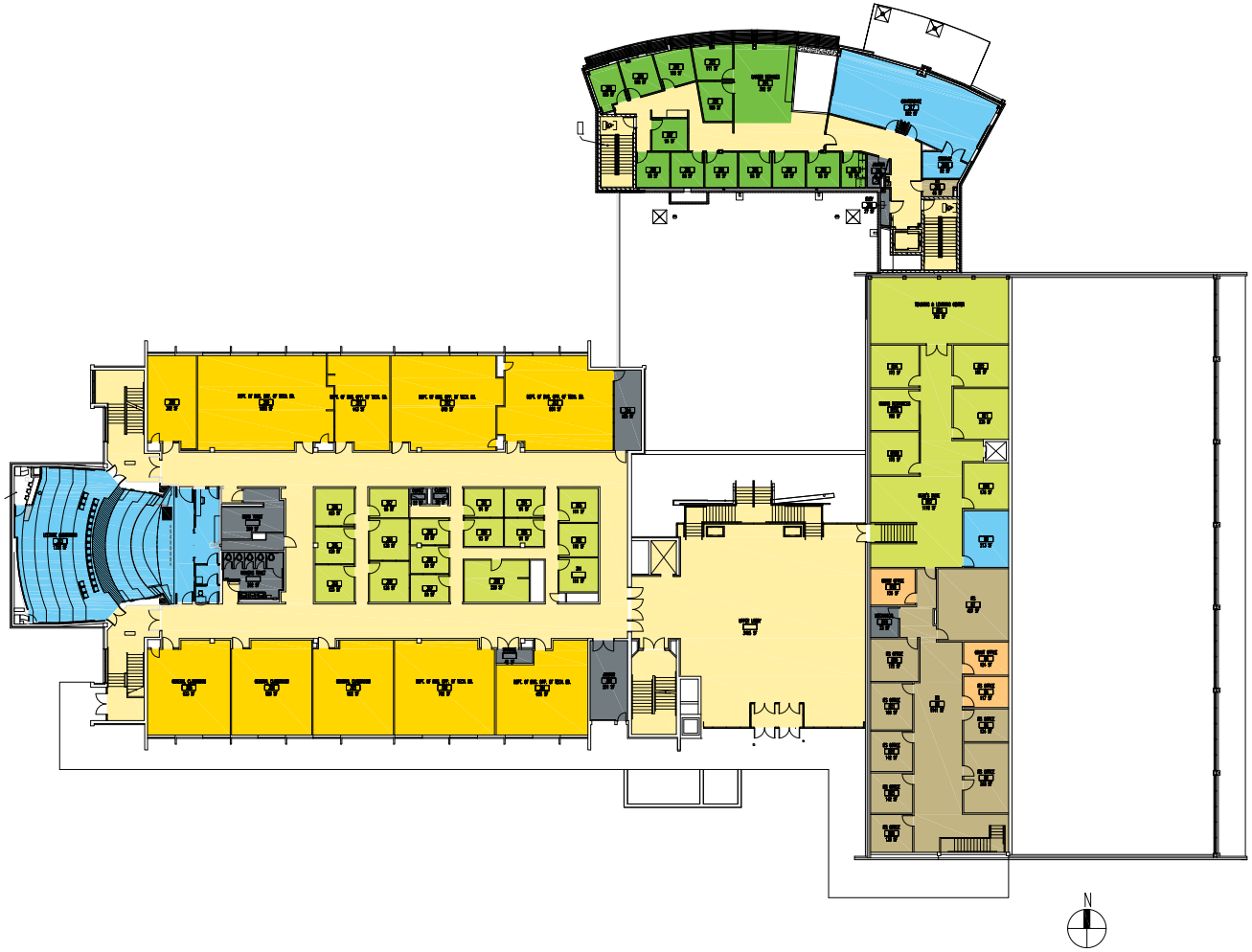
SPACE LEGEND

- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- CAMPUS POLICE
- FACILITIES/SUPPORT
- CONFERENCE/MEETING
- STUDENT SERVICES
- ADMINISTRATION
- LIBRARY/LRC
- STUDENT ACTIVITIES
- CIRCULATION

Building 1- Existing Third Floor Plan

SPACE LEGEND

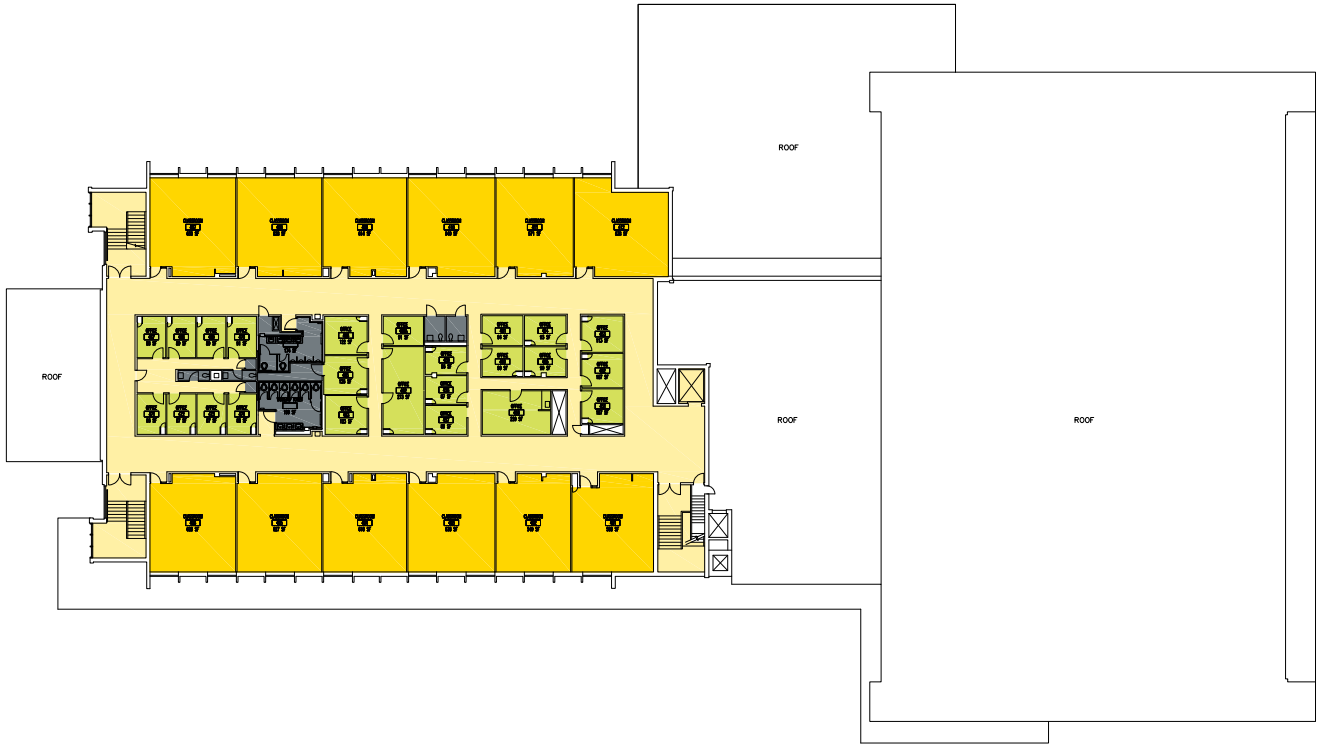
- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- CAMPUS POLICE
- FACILITIES/SUPPORT
- CONFERENCE/MEETING
- STUDENT SERVICES
- ADMINISTRATION
- LIBRARY/LRC
- STUDENT ACTIVITIES
- CIRCULATION



Black Hawk College

SPACE LEGEND

- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- CAMPUS POLICE
- FACILITIES/SUPPORT
- CONFERENCE/MEETING
- STUDENT SERVICES
- ADMINISTRATION
- LIBRARY/LRC
- STUDENT ACTIVITIES
- CIRCULATION



Building 2- Existing First Floor Plan

SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- SCIENCE
- DISTANCE LEARNING
- STUDENT SERVICES
- ADMINISTRATION
- INDUSTRIAL TECHNOLOGY
- VACANT
- STUDENT ACTIVITIES
- CIRCULATION

Black Hawk College

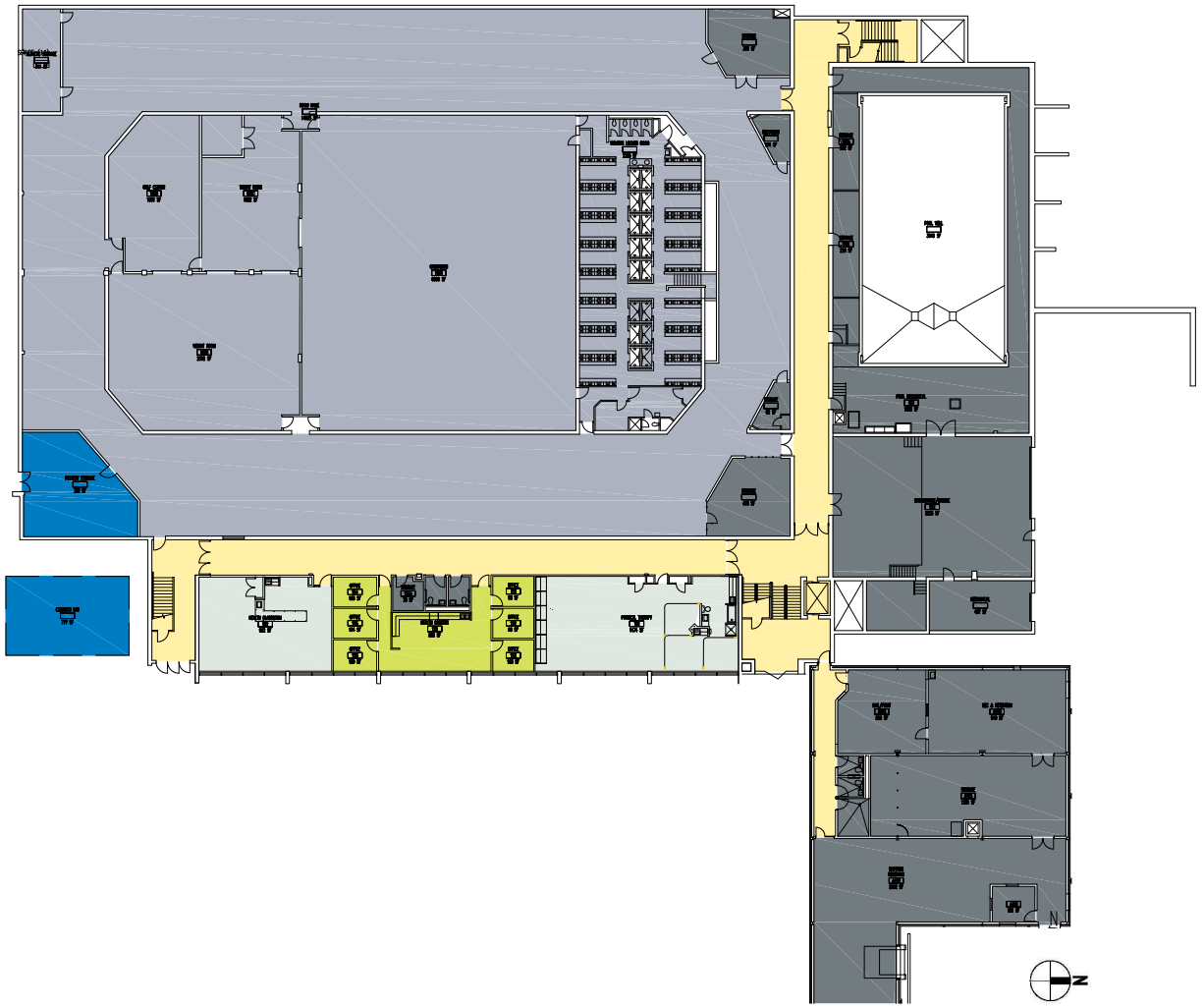
SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- SCIENCE
- DISTANCE LEARNING
- STUDENT SERVICES
- ADMINISTRATION
- INDUSTRIAL TECHNOLOGY
- VACANT
- STUDENT ACTIVITIES
- CIRCULATION

Building 3- Existing First Floor Plan

SPACE LEGEND

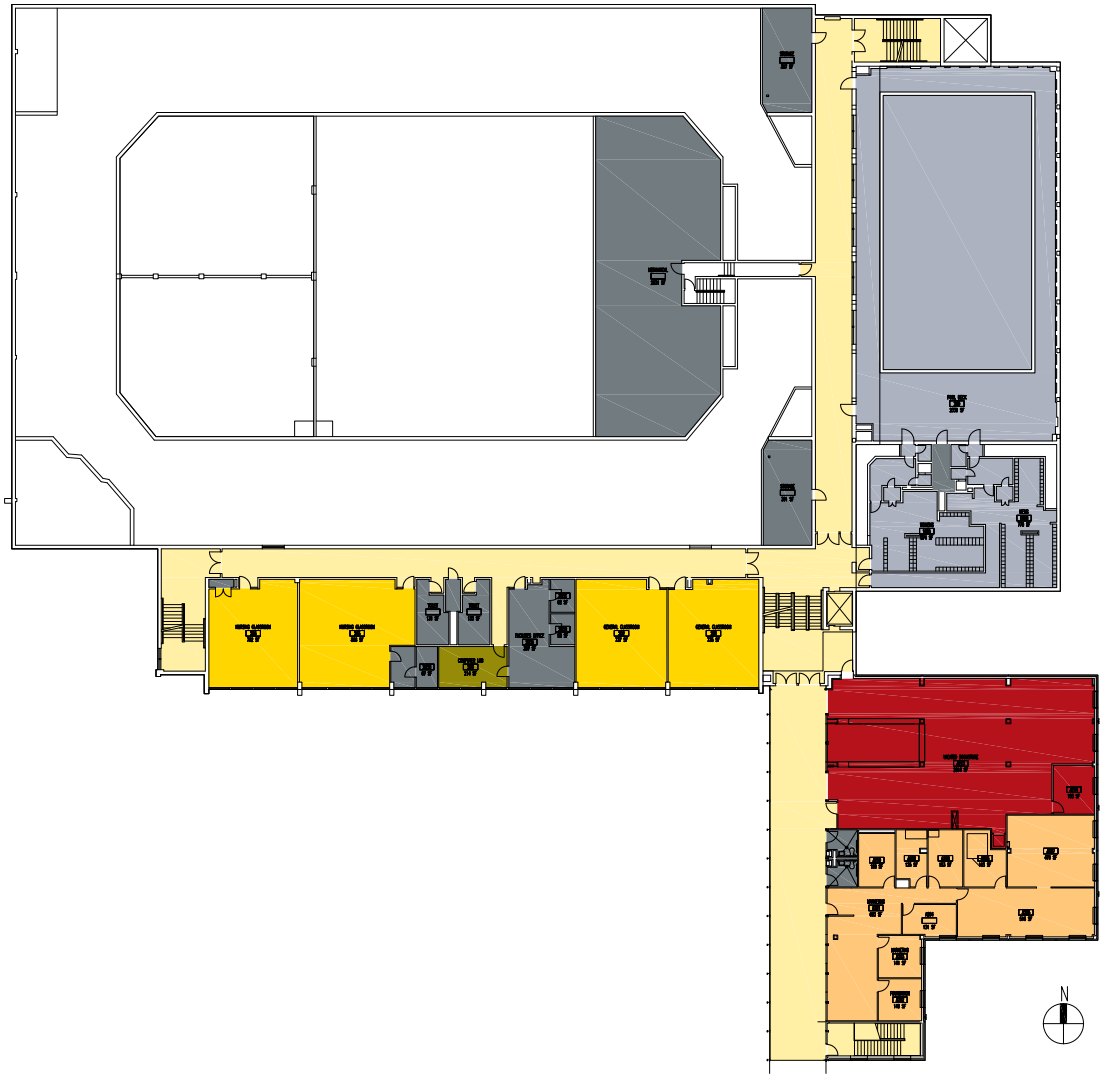
- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- ATHLETICS/WELLNESS
- HEALTH CAREERS
- FINE ARTS
- STUDENT SERVICES
- ADMINISTRATION
- CIRCULATION



Black Hawk College

SPACE LEGEND

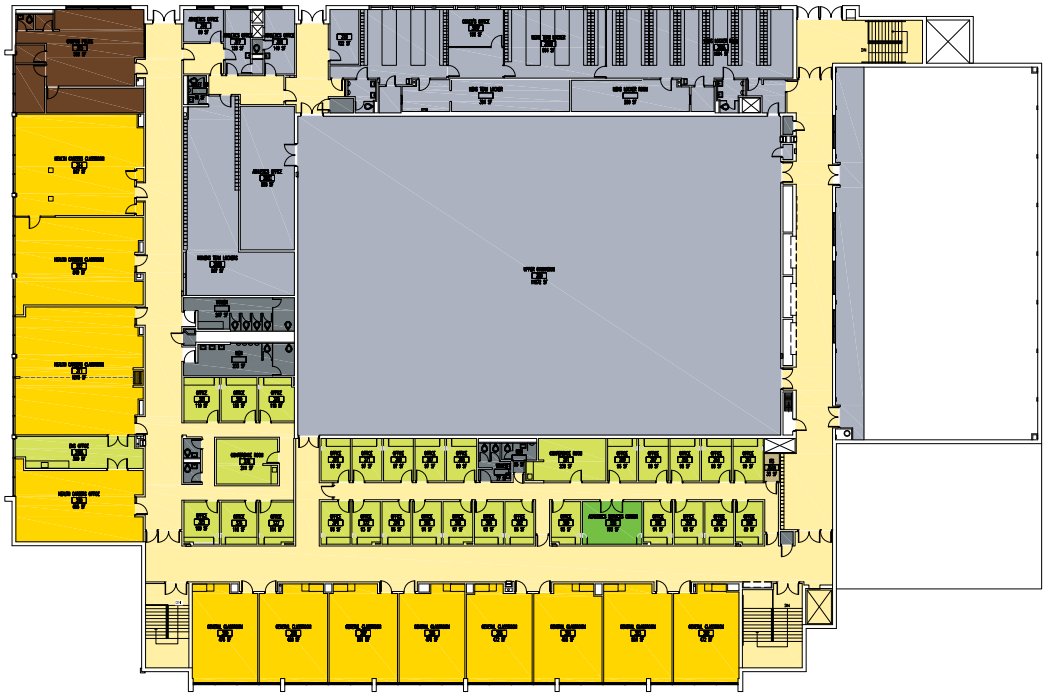
- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- ATHLETICS/WELLNESS
- HEALTH CAREERS
- FINE ARTS
- STUDENT SERVICES
- ADMINISTRATION
- CIRCULATION



Building 3- Existing Third Floor Plan

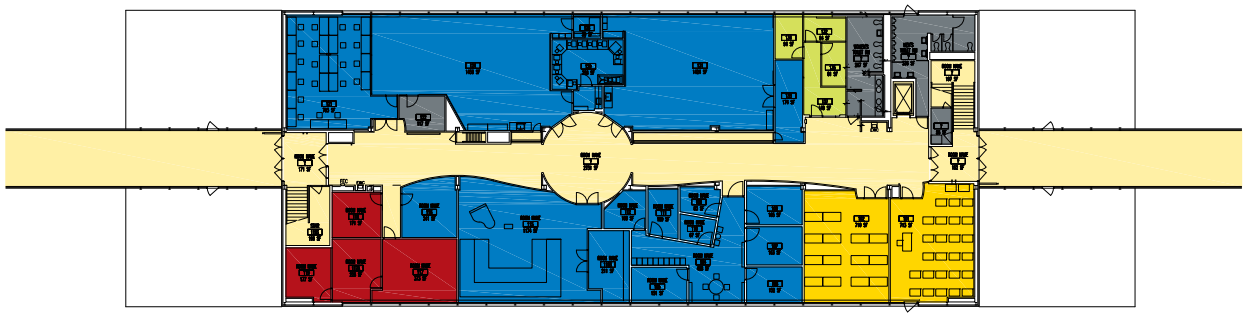
SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- ATHLETICS/WELLNESS
- HEALTH CAREERS
- FINE ARTS
- STUDENT SERVICES
- ADMINISTRATION
- CIRCULATION



SPACE LEGEND

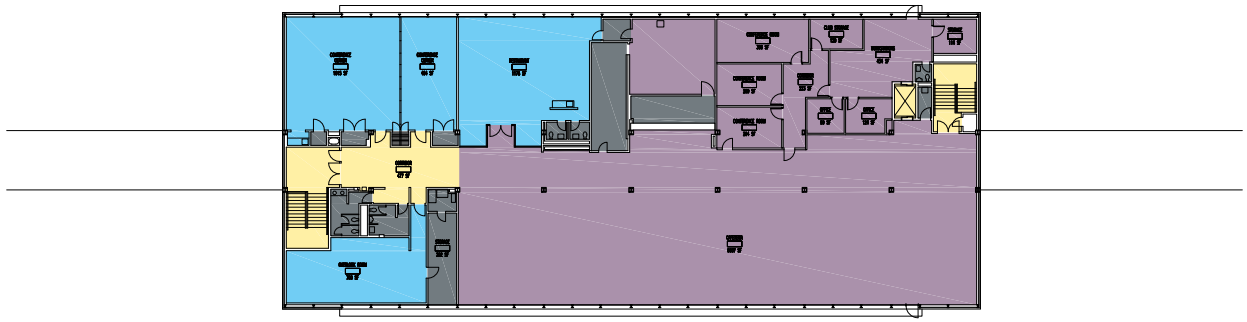
- GENERAL CLASSROOM
- FACULTY OFFICES
- FACILITIES/SUPPORT
- FINE ARTS
- CONFERENCE/MEETING
- VACANT
- STUDENT ACTIVITIES
- CIRCULATION



Building 4- Existing Second Floor Plan

SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICES
- FACILITIES/SUPPORT
- FINE ARTS
- CONFERENCE/MEETING
- VACANT
- STUDENT ACTIVITIES
- CIRCULATION



SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- STUDENT SERVICES
- INDUSTRIAL TECHNOLOGY
- STUDENT ACTIVITIES
- CIRCULATION

Building Organization

In addition to the above facilities on the Quad Cities Campus, the following outreach facilities exist as well:

BUILDING	YEAR BUILT	LEVELS	GROSS SF.
Outreach Center	1991	4	28,057
Adult Learning Center	2000	1	8,496
Illinois workNet Center	1997	1	7,353
Industrial Training Lab Extension Center	2010	1	3,386

Outreach Center- First Floor Plan

SPACE LEGEND

- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- STUDENT SERVICES
- CIRCULATION

SPACE LEGEND

- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- STUDENT SERVICES
- CIRCULATION

Outreach Center- Third Floor Plan

SPACE LEGEND

- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- STUDENT SERVICES
- CIRCULATION

SPACE LEGEND

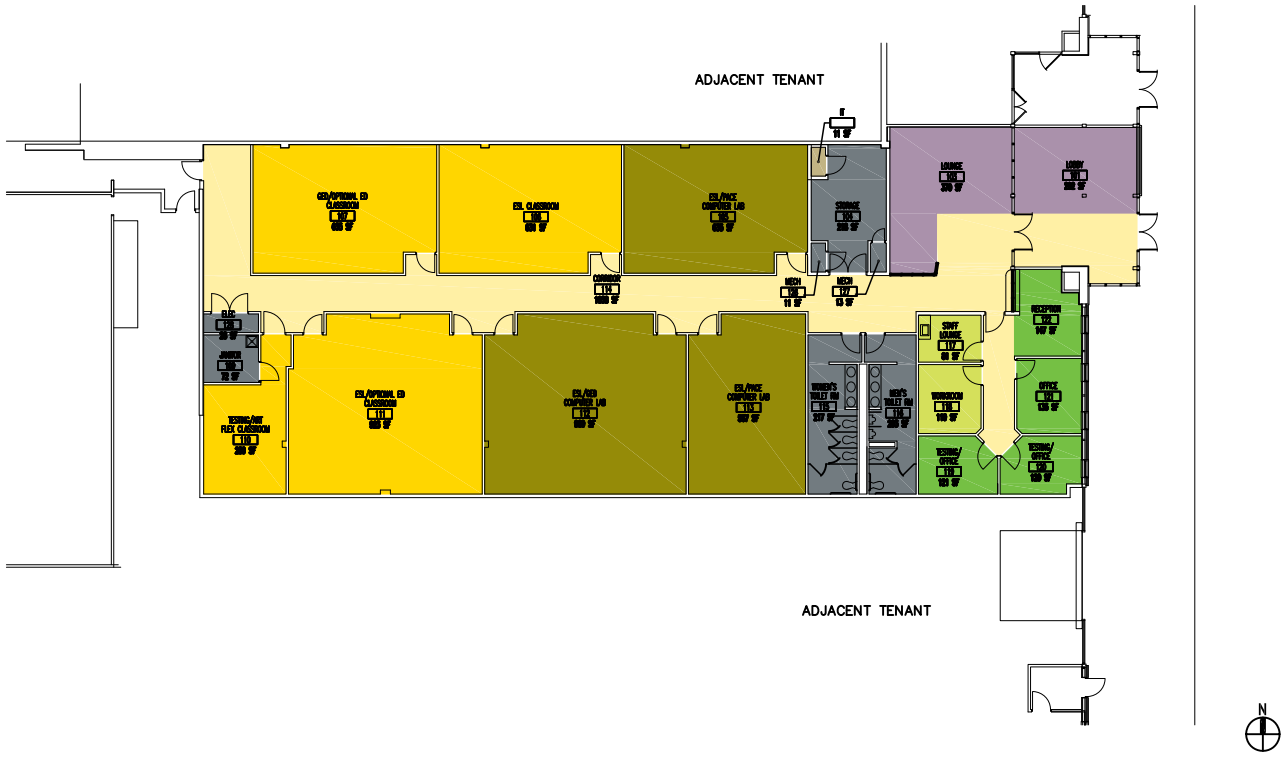
- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- STUDENT SERVICES
- CIRCULATION

Existing Rock Island Adult Learning Center - Site Plan

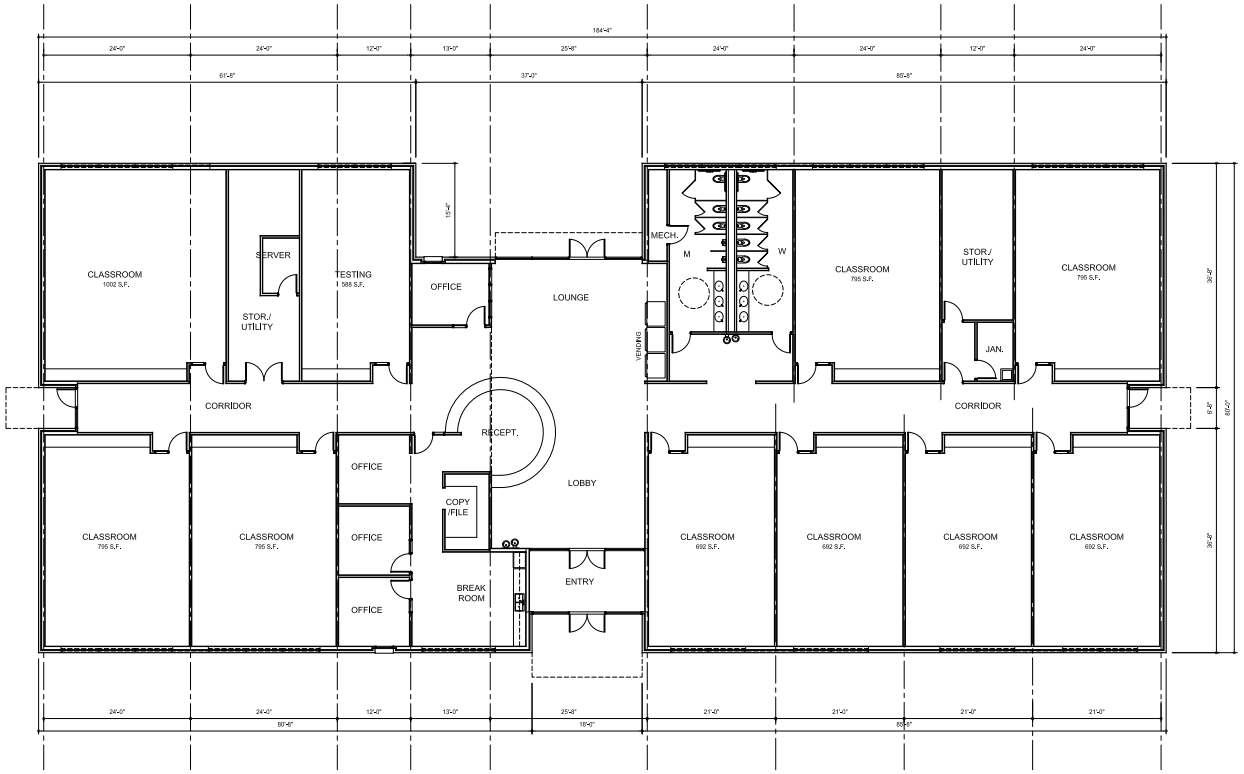
Black Hawk College

SPACE LEGEND

- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- STUDENT SERVICES
- STUDENT ACTIVITIES
- CIRCULATION



Proposed Rock Island Adult Learning Center - Site Plan

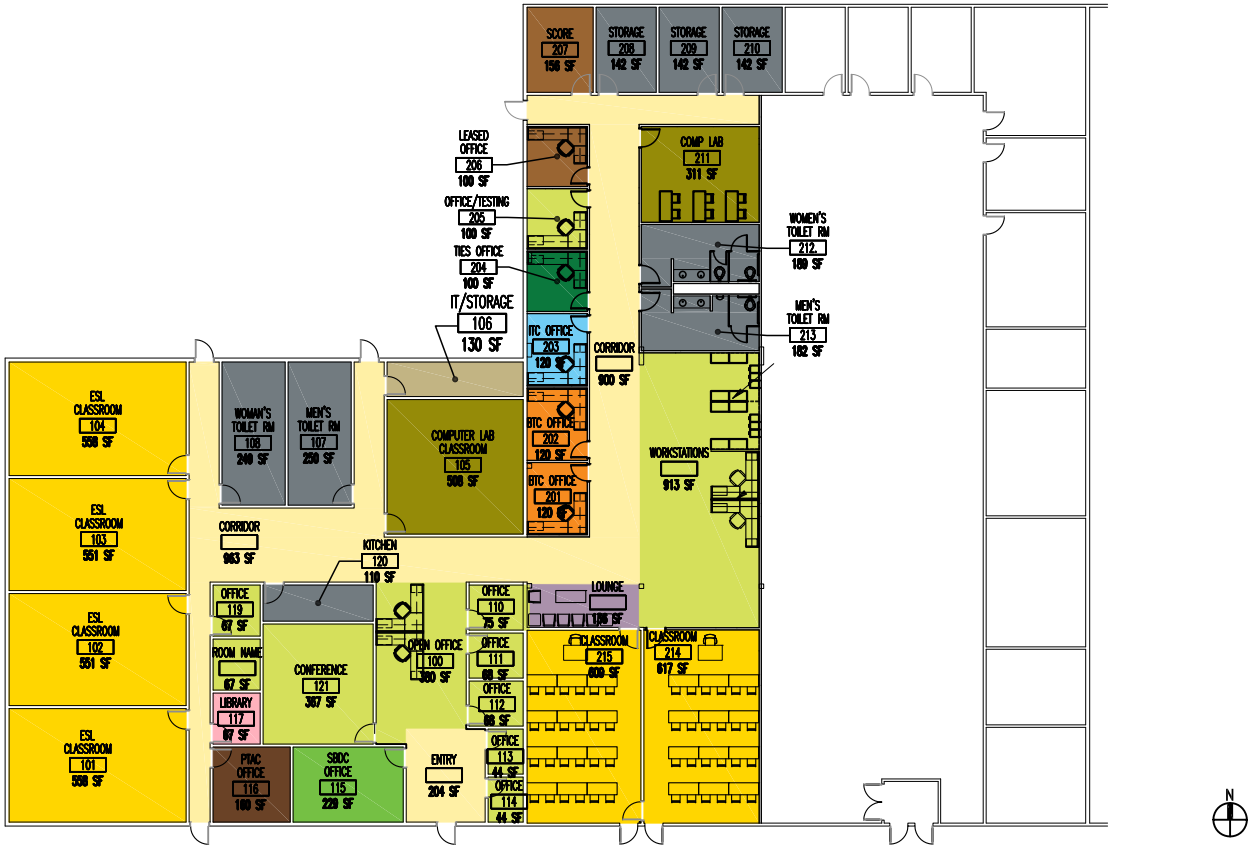

CLASSROOM
1002 S.F.
SERVER
STOR./
UTILITY
TESTING
588 S.F.
OFFICE
LOUNGE
VENDING
MECH.
M
W
CLASSROOM
795 S.F.
STOR./
UTILITY
CLASSROOM
795 S.F.
JAN.
CORRIDOR
CORRIDOR
RECEPT.
OFFICE
LOBBY
COPY
/FILE
CLASSROOM
795 S.F.
CLASSROOM
795 S.F.
OFFICE
OFFICE
OFFICE
BREAK
ROOM
ENTRY
CLASSROOM
692 S.F.
CLASSROOM
692 S.F.
CLASSROOM
692 S.F.
CLASSROOM
692 S.F.

Illinois WorkNET Center- Site Plan

Black Hawk College

SPACE LEGEND

- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- LEASED SPACE
- FACILITIES/SUPPORT
- CONFERENCE/MEETING
- LIBRARY/LRC
- CIRCULATION
- TIES
- BTC
- PTAC
- SBDC
- ITC (VERIFY)

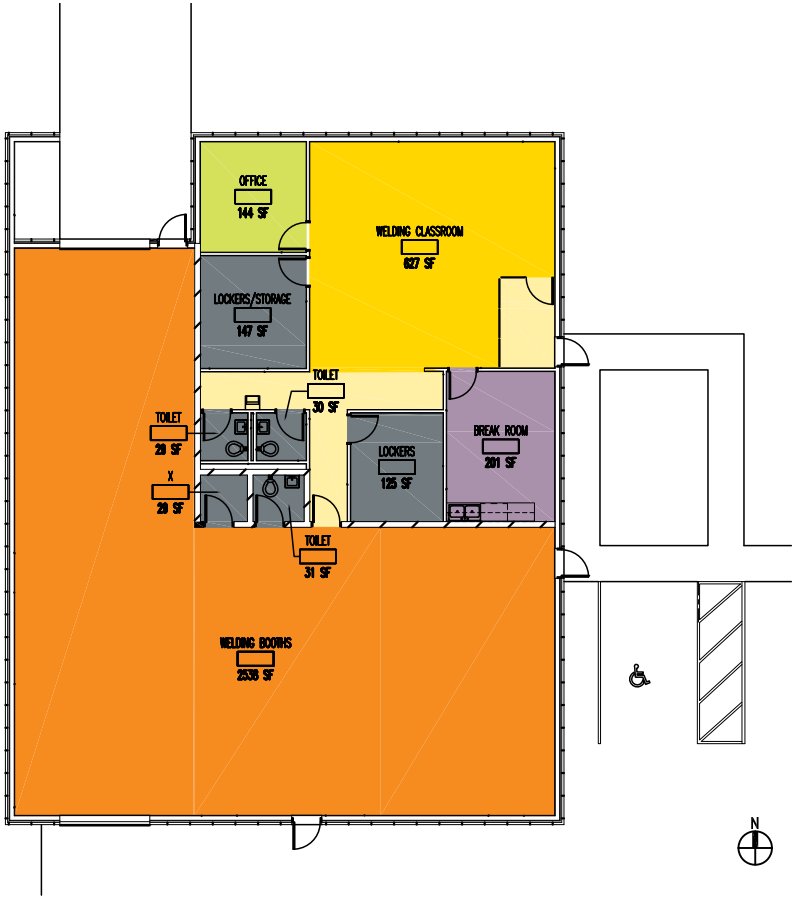


Industrial Training Lab Extension Center - Site Plan

Black Hawk College

SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- FACILITIES/SUPPORT
- INDUSTRIAL TECHNOLOGY
- STUDENT ACTIVITIES
- CIRCULATION



The Quad Cities Campus is characterized by dramatic ridge/ravine topography and significant stands of mature vegetation, especially stands of oak and maples. (Image 01) The ravine runs in a north/south direction with the topography ascending to the east and west. The highest elevations are in the southeast and northeast corners of the campus. Against this background, there are several areas that have been re-graded or cleared for College building and circulation/parking needs. The graded areas are often benched and covered with turf grass. The resulting image is one of dense wooded highlands and lowlands with intermittent grassy panels for buildings and circulation. (Image 02) On the north side of campus, several of the original access roads were cut into the topography and vegetation in a very pleasing manner. (Image 03)

The water quality of the stream at the bottom of the ravine appears to be typical of urban runoff conditions. Silted water, eroded banks, dense understory brush create an ecosystem somewhat vulnerable to further degradation if proper management is not undertaken. (Image 04)

As is common for institutional landscapes, there is considerable area given to Campus Image Landscape. This is the area between buildings and along highly trafficked areas such as parking lots, sidewalks, and campus entries. The plantings in these areas are characterized by mowed grass punctuated by shade trees, ornamental trees, and a few evergreen trees. Planting beds of perennials or annuals and demonstration gardens comprise a small proportion of this space and are concentrated near building entries and around campus identification signs,

In some instances – the north parking lot and the west parking lot are two examples – rain gardens have been constructed to reduce storm water runoff, improve water quality, and provide wildlife habitat. (Image 05) Other small demonstration gardens have been constructed around Buildings 2 and 3. The building materials for these gardens have been of the "do it yourself" (e.g. concrete block retaining walls) variety and so do not convey a strong institutional presence or a consistent image. (Images 06, 07) In the future, special landscape areas and gardens should be made accessible to pedestrians rather than relegated to little-seen or used parts of the campus. (Image 08)


image 01


image 02


image 03


image 04

image 05


image 06


image 07


image 08

SITE / CIVIL

Storm

Each structure utilizes its own independent storm sewer network, in general, draining to the ravine through the center of campus. Localized stormwater detention for additions to Building one are located on the southwest corner of the main entrance and 34th Avenue.

Sanitary

The main sanitary trunk servicing the campus is an 18" clay pipe running down the ravine behind Building 3. A 12" clay pipe discharges areas west of the ravine and ties into the 18" main line at the southeast corner of Building 3. Building 1 on the East side of the ravine, has sanitary discharge to the north to an 18" clay pipe running east and west along the south curb of 34th Avenue. Building 2 and the Sustainable Technologies Building discharge sanitary sewerage to the south west where it ties into the 18" clay pipe running along the ravine.

Water

The main campus feed is a 12" city of Moline owned main running east to west along the south side of 34th Avenue. An 8" line extending south from 34th Avenue behind Building 1 services Building 1, Building 2, and the Sustainable Technologies Building. A 6" spur feeding two fire hydrants to the west of Building 1 along the existing parking area is fed from the 8" main southeast of Building 1. A 6" spur southwest of Building 2 feeds a hydrant along the east side of Pyesa Street. East of Building 2, a 6" line encompasses the Sustainable Technologies Building and ties back into the 8" main on the southwest corner of the building. A 4" line extending east from the Sustainable Technologies building provides water for the existing softball field. The 8" line turns west at the southeast corner of Building 2, and continues this path until it comes to Pyesa S Street where it turns south and continues to 38th Avenue where it ties back into an existing 12" city of Moline owned main.

East of Building 3, another 8" line extends south from the 12" city of Moline owned main along the south side of 34th Avenue. This 8" line turns west at the southeast corner of Building 3 and is reduced to a 6" line until it crosses Neopope S Street, where it turns south and continues between the parking lot at the end of Neopope N and the track and terminates with service to the existing baseball field. This line supplies water for Building 3, the baseball field, multiple hydrants along Neopope Street and the future Health Science Center between Neopope N Street and Pyesa N Street

Water service north of 34th Avenue for the student housing development is fed from an 8" city of East Moline owned main. Tie in service is provided along 5th street with a 10" service main that extends to the east along the north curb of Singing Bird South Road. As the line approaches the existing parking lot at the corner of Singing Bird South Road, it turns to the north and is reduced to an 8" line. At the northeast corner of the parking lot to turns to the east where it services the student housing apartments. Two 10" stubs are provided along the north curb of Singing Bird South Road for future development.

Gas

Two gas mains service the campus. A gas main along the west rub line of 70th Street on the east side of campus provides service to a tee that runs under the existing parking lot north

of the Pyesa W entrance and is distributed to the Sustainable Technologies Building and Build 2 east of Building 1. A second gas main feeds Building 3 from its location along the north curb of 34th Avenue. Gas service to the Black Hawk Villas is taken from the main along 34th Avenue and travels north along the east curb of the access drive off of 34th avenue.

Fiber Optic
Fiber optic technology service is provided from main feeds along the south curb of 34th Avenue and along the east curb of 70th Street.

Technology
Telephone service is provided to the campus from main lines running along the north curb of 34th avenue.

BUILDINGS

Central Heating Plant
The existing heating plant for the Quad Cities campus is located in the lower level mechanical room in Building 1. The heating plant consists of (6) six equally sized, high efficiency, Thermal Solutions non-condensing boilers piped in a primary / secondary configuration. Each boiler has a dedicated constant volume pump to provide minimum boiler flow. The heating water system contains two secondary (distribution) heating water loops with variable speed pumps controlled by a VFD. One loop serves the Student Services Addition (completed in 2013). The additional loop serves the remainder of campus. Specifically, the heating plant provides heating water to the original Quad Cities Campus buildings (Building 1, Building 2, Building 3, Building 4) to serve each building's AHU(s), terminal air boxes (TAB) and terminal heat transfer units (baseboard radiation, cabinet heaters, etc.).

Chiller Plants
The Quad Cities campus consists of two independent chiller plants. The first chiller (CH-1) is located in the lower level mechanical room in Building 1 and is a 720 Trane centrifugal water-cooled chiller. The associated cooling tower is located on the roof of Building 1. Chiller CH-1 serves the AHU's associated with Building 1 and Building 2. The chilled water system has a dedicated pump serving Building 2 and a dedicated pump serving Building 1.

The second chiller (CH-2) is located adjacent to Building 4 inside an exterior metal enclosure adjacent to the loading dock and is a Trane centrifugal water-cooled chiller. The associated cooling tower is located north of Building 3, adjacent to the loading dock. Chiller CH-2 serves the AHU's associated with Building 3 and Building 4.

HVAC
Below is a summary of each Building's HVAC system:

Building 1

• AHU-110 is a multi-zone unit that serves the library and offices north of the main entry lobby. The AHU is original to the building (1967) and incorporates a chilled water coil for cooling and pumped hot water coil for heating. The heating water coil is served by the central boiler plant located in Building 1. The chilled water coil is served by a chiller and cooling tower located in Building 1. The AHU is located in a penthouse on Building 1. The existing ductwork and HVAC infrastructure incorporates a hot-deck, cold-deck system with dual-duct terminal air boxes for each zone. All existing controls are pneumatic.

• AHU-2012-120 is a multi-zone unit that serves the student services addition, bookstore and main entry upper lobby. The AHU was installed in 2012 and incorporates a chilled water coil for cooling and pumped hot water coil for heating. The heating water coil is served by the central boiler plant located in Building 1. The chilled water coil is served by a chiller and cooling tower located in Building 1. The AHU is located on the mezzanine level of the Building 1 mechanical room. The existing ductwork and HVAC infrastructure incorporates variable volume terminal air boxes with reheat for each zone. All controls are electronic DDC.

• AHU-200 is a multi-zone unit that serves the area of Building 1 south of the student services addition (classrooms, offices, etc.). The AHU is original to the building (1967) and incorporates a chilled water coil for cooling and pumped hot water coil for heating. The heating water coil is served by the central boiler plant located in Building 1. The chilled water coil is served by a chiller and cooling tower located in Building 1. The AHU is located in a penthouse on Building 1. The existing ductwork and HVAC infrastructure incorporates a hot-deck, cold-deck system with dual-duct terminal air boxes for each zone. All existing controls are pneumatic.

Building 2

• AHU-400 is a built-up multi-zone unit that serves the area of Building 1 south of the student services addition (classrooms, offices, etc.). The AHU is original to the building (1967) and incorporates a chilled water coil for cooling and pumped hot water coil for heating. The heating water coil is served by the central boiler plant located in Building 1. The chilled water coil is served by a chiller and cooling tower located in Building 1. The AHU is located in a penthouse on Building 1. All existing controls are pneumatic.

Building 3

• AHU-3 was installed in 2013 and serves the pool.

• AHU-500 is a multi-zone unit that serves the offices, classrooms, and the general corridors on the first, second, and third floors. The AHU is original to the building (1967) and incorporates a chilled water coil for cooling and pumped hot water coil for heating. The heating water coil is served by the central boiler plant located in Building 1. The chilled water coil is served by a chiller and cooling tower dedicated to Building 3. The AHU is located in the main mechanical room on the second level. The existing ductwork and HVAC infrastructure incorporates a hot-deck, cold-deck system with dual-duct terminal air boxes for each zone. All existing controls are pneumatic.

• AHU-510 is a single-zone unit that serves the large gymnasium. The AHU is original to the building (1967) and incorporates a chilled water coil for cooling and pumped hot water coil for heating. The heating water coil is served by the central boiler plant located in Building 1. The chilled water coil is served by a chiller and cooling tower dedicated to Building 3. The AHU is located in the main mechanical room on the second level.

• AHU-521 is a single-zone unit that serves the small gymnasium, weight room, and old wrestling room on the First Floor. The AHU is original to the building (1967) and

incorporates pumped hot water coil for heating. The heating water coil is served by the central boiler plant located in Building 1. The AHU is located in the main mechanical room on the second level.

• AHU-570 is a multi-zone unit that serves the men's and women's pool locker rooms. The AHU is original to the building (1967) and incorporates a hot water coil for heating. The AHU is located in the east mechanical room on the second level. The AHU is a recirculation type AHU which draws return air from the track area and supplies it to the locker rooms; all air supplied to the locker rooms is exhausted through a dedicated exhaust fan. The AHU heating water coil is served by the central boiler plant located in Building 1. AHU-5 does not incorporate a cooling coil and does not provide any means of cooling the locker rooms. Zone control to each locker room is achieved using duct-mounted heating coils.

• AHU-557 is a multi-zone unit that serves two men's locker rooms. The AHU is original to the building (1967) and does not incorporate a heating coil. The AHU is located in the west mechanical room on the second level. The AHU is a recirculation type AHU which draws return air from the track area and supplies it to the locker rooms; all air supplied to the locker rooms is exhausted through a dedicated exhaust fan. AHU-6 does not incorporate a cooling coil and does not provide any means of cooling the locker rooms. Zone control to each locker room is achieved using duct-mounted heating coils.

• AHU-527 is a single-zone unit that serves the women's main locker room. The AHU is original to the building (1967) and incorporates a hot water coil for heating. The AHU is located in the main mechanical room on the second level. The AHU is a recirculation type AHU which draws return air from the track area and supplies it to the locker rooms; all air supplied to the locker rooms is exhausted through a dedicated exhaust fan. The AHU heating water coil is served by the central boiler plant located in Building 1. AHU-6 does not incorporate a cooling coil and does not provide any means of cooling the locker room.

Building 4

• The AHU is original to the building (1967) and incorporates a chilled water coil for cooling and pumped hot water coil for heating. The heating water coil is served by the central boiler plant located in Building 1. The chilled water coil is served by a chiller and cooling tower located in Building 3. The AHU is located in a lower level mechanical room in Building 4. The existing ductwork and HVAC infrastructure incorporates variable volume terminal air boxes with reheat for each zone. All controls are pneumatic.

Sustainable Technologies Building

• The Sustainable Technologies Building is a stand-alone building that utilizes a ground-source geothermal loop. Zone heating and cooling is provided through ducted terminal heat pumps locate within each zone. The heat pumps utilize the group-source condenser water loop. Building dehumidification and ventilation air is provided by a dedicated outdoor air unit (DOAU) located on grade, west of the STB. The DOAU incorporates and energy recovery wheel and utilizes a gas-fired burner for heating and DX for cooling.

Electrical Service and Distribution

The existing electrical utility service for the Quad Cities Campus is fed from two different utility poles fed from the same utility substation. The utility poles are located in parking lot 4 on the north side of 34th avenue. Two independent sets of service entrance conductors come from these poles and are routed through a manhole system located outside of building #1. The feeds then enter the building and are distributed to the four buildings in a loop using specialized medium voltage switchgear located in Buildings 1, 2, and 3. The medium voltage gear in building 1 is located in the main electrical room adjacent to the boiler room. The medium voltage gear in building 2 is located in an outdoor vault directly adjacent to the building. The medium voltage gear in building 3 is also located in an outdoor vault directly adjacent to the building. Building 4 is fed from building 3 and does not have any standalone gear. The medium voltage utility loop is open between building 1 and 2, which can be closed in the event one of the utility sources is down. The conductors between building 1 and 2 were recently replaced and are run in a cable tray above the ceiling in the tunnel that links the buildings. The conductors between building 1 and 3 are original and are run underground between the buildings. The capacity of the loop is currently sufficient for the campus. All of the equipment, transformers, cabling, and distribution gear downstream of the two utility meters is the property of the college.

Each building on campus is currently fed from an outdoor pad mounted transformer, which is fed from the medium voltage utility loop. Conductors are routed from the medium voltage gear out to the transformer, and then back into the building to the main 480V building switchgear. From there, power is distributed to the building at 277/480 for equipment, elevators, and lighting, and then transformed down to 120/208 for general power and receptacles.

Emergency Power

The Quad City Campus's emergency power system consists of an outdoor generator at building 2 and an indoor generator in building 3. The outdoor generator at building 2 serves a distribution system that covers both building 2 and building 1, and is approximately seven years old. The system currently serves elevators, emergency lighting, and miscellaneous equipment throughout both buildings. The generator in building 3 currently only serves some emergency lighting and miscellaneous equipment throughout building 3 and building 4. This indoor generator is past its useful life and in need of replacement.

Fire Alarm and Mass Notification

The entire Quad Cities Campus is covered by a networked fire alarm and mass notification system recently installed. The system consists of a fully addressable fire alarm system with voice based notification, and a mass notification system consisting of independent visual and audio notification, textural visual displays, and a roof mounted outdoor voice notification system that covers the entire campus. The system is expandable with network communication over fiber between the buildings.

Technology

This campus is served via a single point of entrance from local service providers. The Sustainable Technologies Building is the location of the main campus server room and point of demarcation for service provider cabling, telephone and network systems.

Each building on campus is connected via single mode optical fiber. Telecommunications rooms within each building are connected multimode fibers. Recent projects have upgraded the fiber to 50 micron to support 10 gig-a-bit bandwidth. Several existing telecommunication's room have 62.5 multimode fibers.

Within each building the horizontal cabling infrastructure consists of category 5, 5e and 6 cables. Recent projects have utilized category 6 cabling. Cable television is installed in a few areas of each building.

Wireless network access points have been installed throughout the campus to provide wireless connectivity to staff and students.

The existing access control system is manufactured by S2. Currently two doors on campus are controlled. All staff has proximity cards to active the card readers if applicable.

Video surveillance cameras are installed in several areas on campus. Camera coverage is being looked at for each new project. Milestone is the video surveillance software manufacturer.

Emergency phones are located within the buildings. These devices are wall phones that are used for emergency but are not designated as emergency phones.

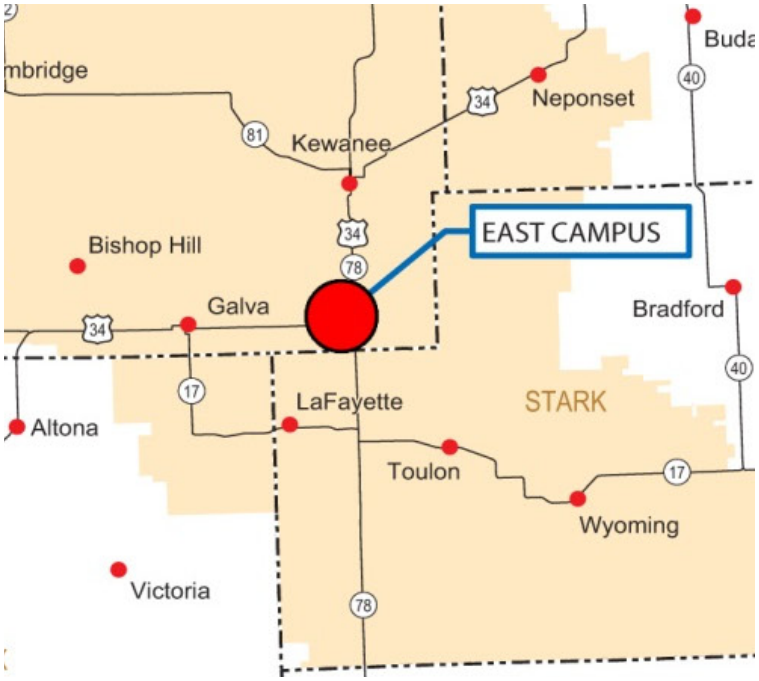
Audio/Video systems are located within each classroom. The system is designed by the college with installation provided by a contractor.

Currently there is no overhead paging system within the buildings or campus wide for notification.

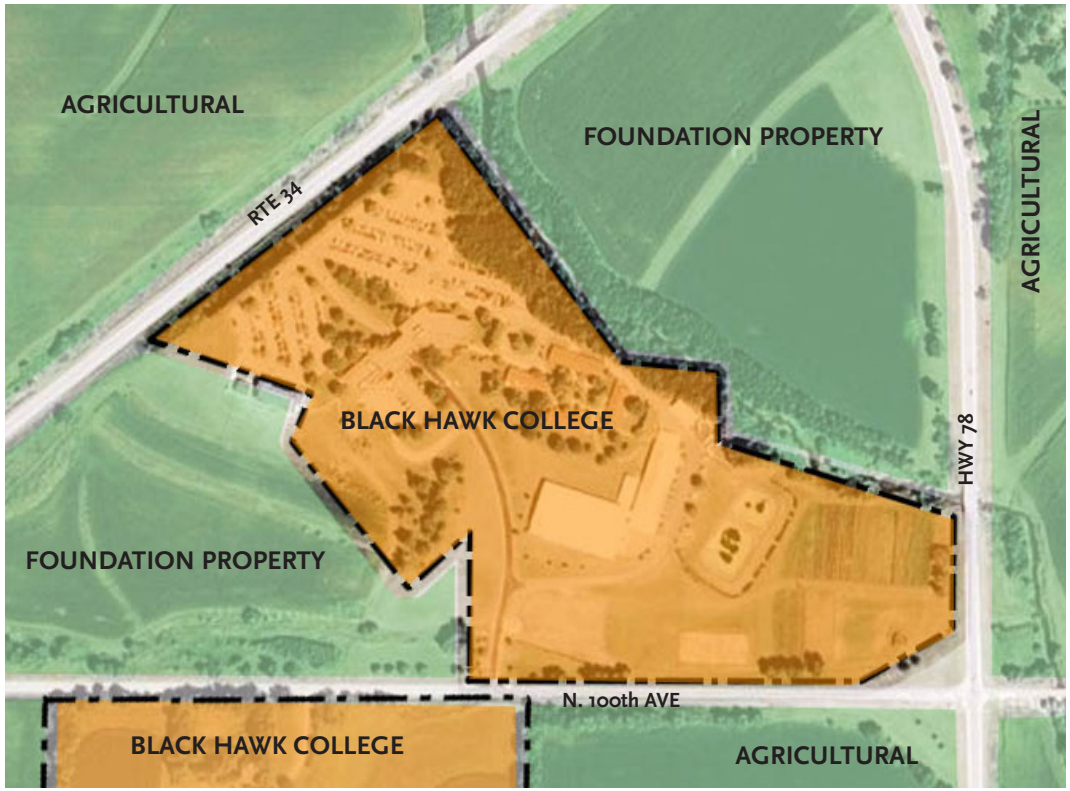
All telephone and network systems are specified and installed by the college.

East Campus

The East Campus is located at 26239 Black Hawk Road in Galva, Illinois and is situated on approximately 102 acres of property in the southeast portion of the District. The campus is five miles south of Kewanee and serves approximately _____ students on an annual basis. Additionally, approximately _____ full-time faculty, _____ adjunct faculty, and _____ staff are employed by the college.



Black Hawk College



The East Campus is completely surrounded by agricultural fields. It sits within a triangular piece of property bounded by Route 34 along its northwest edge, Highway 78 along its east edge, and 100th Avenue, or Black Hawk Road along its south edge. The northeast and southwest portions of the triangular property are currently owned by the Black Hawk College East Campus Foundation and are currently dedicated to agricultural fields. The Foundation also owns the property at the northwest corner of the campus where the existing student housing is situated.

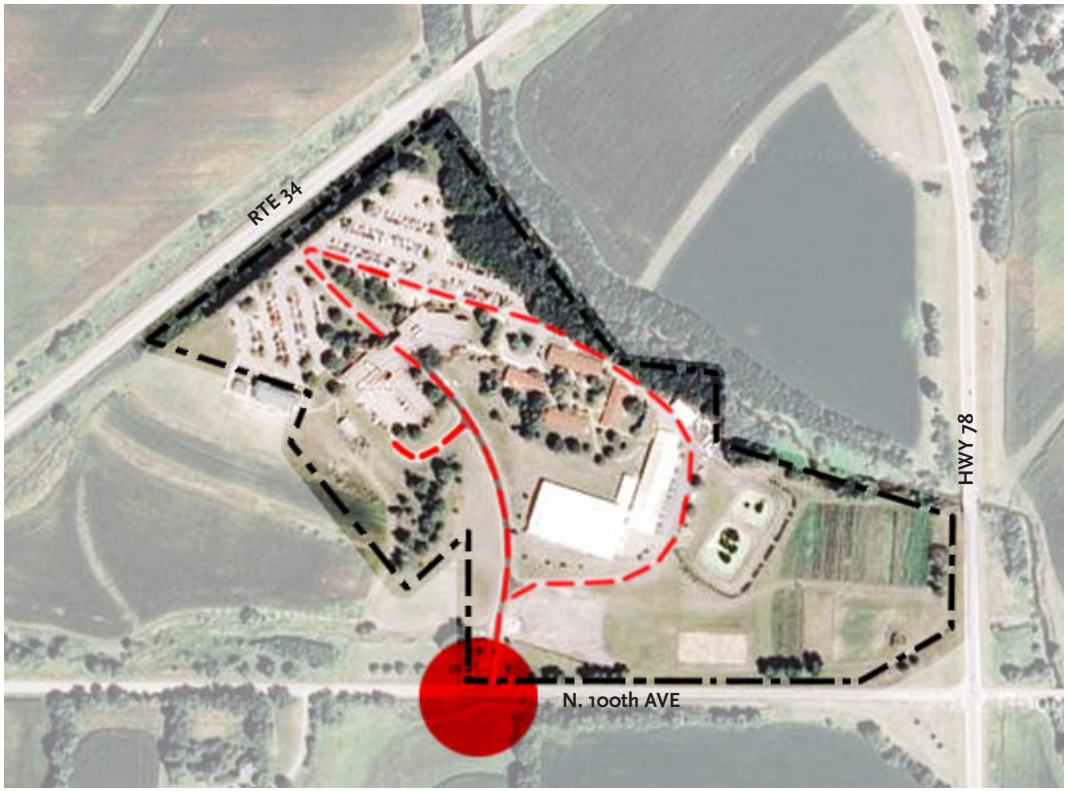
In addition to the campus property, there is a parcel of property south of Black Hawk Road that may become available to the college if the need arises.

East Campus - Vehicular Circulation

The only point of access and egress to/from the East Campus is located on Black Hawk Road. Upon entering the site, the primary access drive continues forward through the heart of the campus under the bridge that connects Buildings A and B. The drive then comes to a "tee" intersection where vehicles must either turn right or left to access general parking. If a right turn is made, vehicles can continue eastward around the campus facilities and re-connect with the entrance drive adjacent to the main entrance. Prior to going under the bridge between Buildings A and B, there is a service drive that turns off of the entrance drive toward the service area between Buildings B and C. This service area serves the campus's Receiving Area, trash pick-up, and access for the vehicles for the Ag/Auto Mechanics Lab.

It was discussed with the focus groups and the planning committees that the current vehicular circulation strategy for the campus presents the following concerns:

- Vehicles and pedestrians are in potential conflict under the bridge
- The "front door" currently located on the north side of Building A is not visible when vehicles enter the campus
- Access into the service area is difficult for large vehicles due to the tight configuration of the service drive



Vehicular parking for the East Campus is accommodated through the use of surface lots located throughout the campus. The primary parking lots are Parking Lot A and Parking Lot B located at the north end of the campus. Together, these lots accommodate approximately _____ vehicles.

Parking Lot A accesses the campus buildings at the north tip of Building A, while Parking Lot B accesses the buildings through two entrances leading into Building B. Parking Lot B also serves as the parking lot for the student housing development.

Parking Lot D accommodates approximately _____ vehicles and extends from the southeast edge of Parking Lot A. This lot serves as the visitor's parking lot for the campus as well as general parking needs for students, faculty, and staff.

The last parking lot at the East Campus is Parking Lot E which is located immediately east of thee stables in Building 5. This lot accommodates approximately _____ vehicles and primarily serves the stables and the arena. As stated previously, the lack of parking adjacent to the arena was cited numerous times by the focus groups as well as the planning committees as a major challenge for the campus when there are events being held in the arena. Currently, vehicles are forced to park in the grassy area directly east of the main entrance drive along Black Hawk Road. Although, this area seems to accommodate an adequate number of vehicles during events, its use for parking is weather dependent.

Lastly, it was stated that many students come to campus with a trailer to haul their horse(s) associated with the equine program. There is currently no dedicated parking area on campus for trailers, and as a result, students are forced to find areas along roadway and along the edges of the parking lots to store their trailers. This causes an unsightly, cluttered situation on campus.

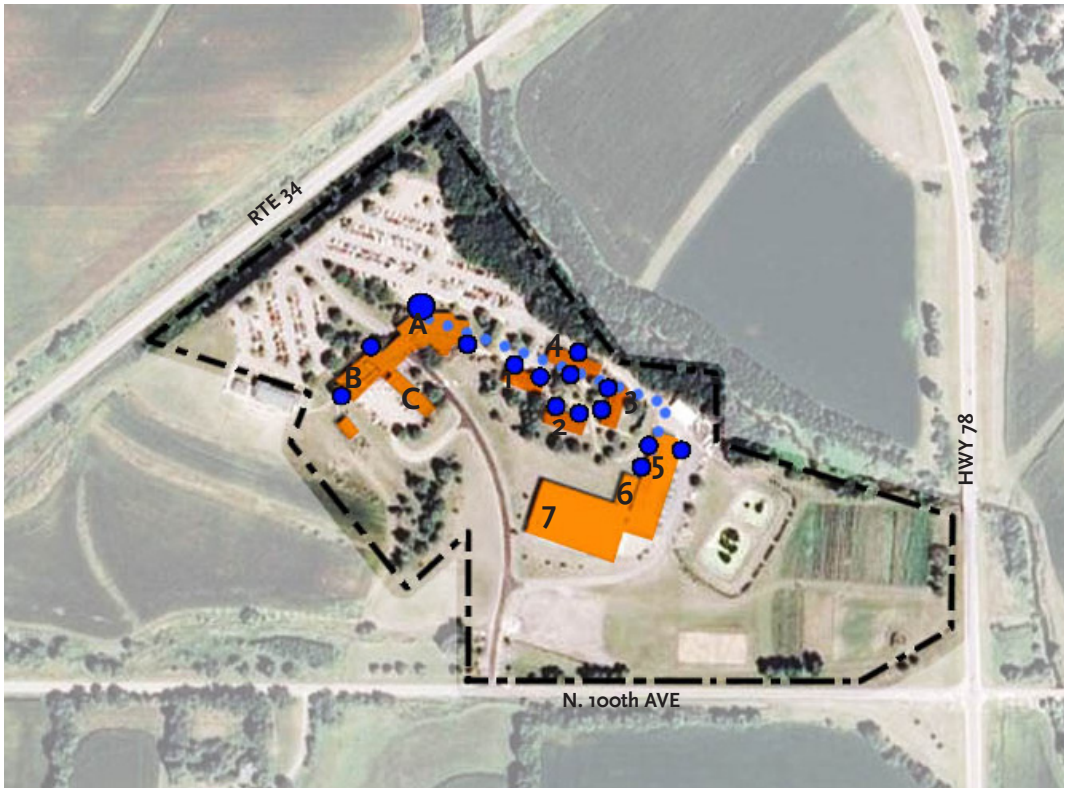
East Campus - Pedestrian Circulation

Although the East Campus is set within a scenic rural backdrop, the existing building organization and parking configuration does not support the need for an extensive exterior pedestrian circulation system.

In addition to the walkways that lead from the parking lots to the building entrances. There is a primary walkway that leads from the east end of Building A to the "temporary" building cluster with a paved courtyard in the center. From here, there are walkways leading to the stables in Buildings 5 and 6.

While the 'front door" to the arena in Building 7 is located on the south face of the building, it is important to note that there is no walkway system leading to this entrance from the rest of the campus or from the temporary grassy parking area to the south.

It is also important to note that the main entrance to Building A was pointed out as an undesirable entry sequence for the "front door" to the campus. In order to access the doors, one must go down a ramp or stair located on the exterior of the building. Once inside the building, you are then forced to go either up or down a half a story to get to your desired floor level. While this area is currently handicap accessible through the use of a ramp and an elevator, it is not as inviting as it should be for a main entrance.



The East Campus does not currently accommodate any outdoor athletic fields. It was, however, discussed during the planning sessions that a fitness trail was being contemplated for the campus.

The East Campus currently houses twelve (12) facilities totaling approximately 139,118 square feet in area. Buildings A, B, and C are constructed of brick masonry and are connected internally. These buildings are generally viewed as the core of the campus facilities. Organized in a courtyard configuration, Buildings 1, 2, 3, and 4 are the original buildings on campus and were originally constructed as "temporary" buildings. Over forty years after their original construction, however, they still remain and should not be considered a long-term solution for the campus's ongoing programs.

Buildings 5, 6, and 7 are physically connected and are dedicated primarily to the equine program on campus. Building 7 houses the Arena and is the largest singe building on the campus. Located adjacent to the existing campus entrance, this cluster of buildings is the first image encountered by students, faculty, staff, and community members coming to the campus. Distinctively different from the buildings located at the campus core, Buildings 5, 6, and 7 portray a clearly agricultural image.

As previously indicated, the student housing development located at the northwest corner of the campus is actually owned and operated by the East Campus Foundation, however, students attending the East Campus live in them.

Generally speaking, the orientation of Buildings 1 through 7 and the student housing development are oriented in a consistent manner with respect to each other. Buildings A, B, and C, however, are oriented differently and follow the contours of the land.

Program spaces throughout the campus buildings were analyzed within each of the existing facilities in order to identify the following information:

- Locations of spaces and functions on campus
- Adjacencies between various functions on campus
- Programmatic fragmentation within functional components

Areas of concern have been addressed as these issues were reviewed and discussed throughout the planning process.

Following is a summary of the existing facilities on the main campus that house the primary programmatic functions for the college:

BUILDING	YEAR BUILT	LEVELS	GROSS SQ. FT.
Building A	**1979**	**2**	**29,992**
• Student Services			
• Library			
• Student Services			
• Auditorium			
• Foundation Office			
• Administrative Offices			
• Bookstore			
• Student Activities / Lounge Space			
• Classrooms			
• Faculty Offices			
Building B	**1979**	**2**	**21,186**
• Classrooms			
• Science Labs (check new addition area)			
• Faculty Offices			
• Facilities Space			
Building C	**1979**	**2**	**7,902**
• Ag/Auto Mechanics Lab			
Building 1	**1970**	**1**	**5,032**
• Conference Center			
• Fitness Center			

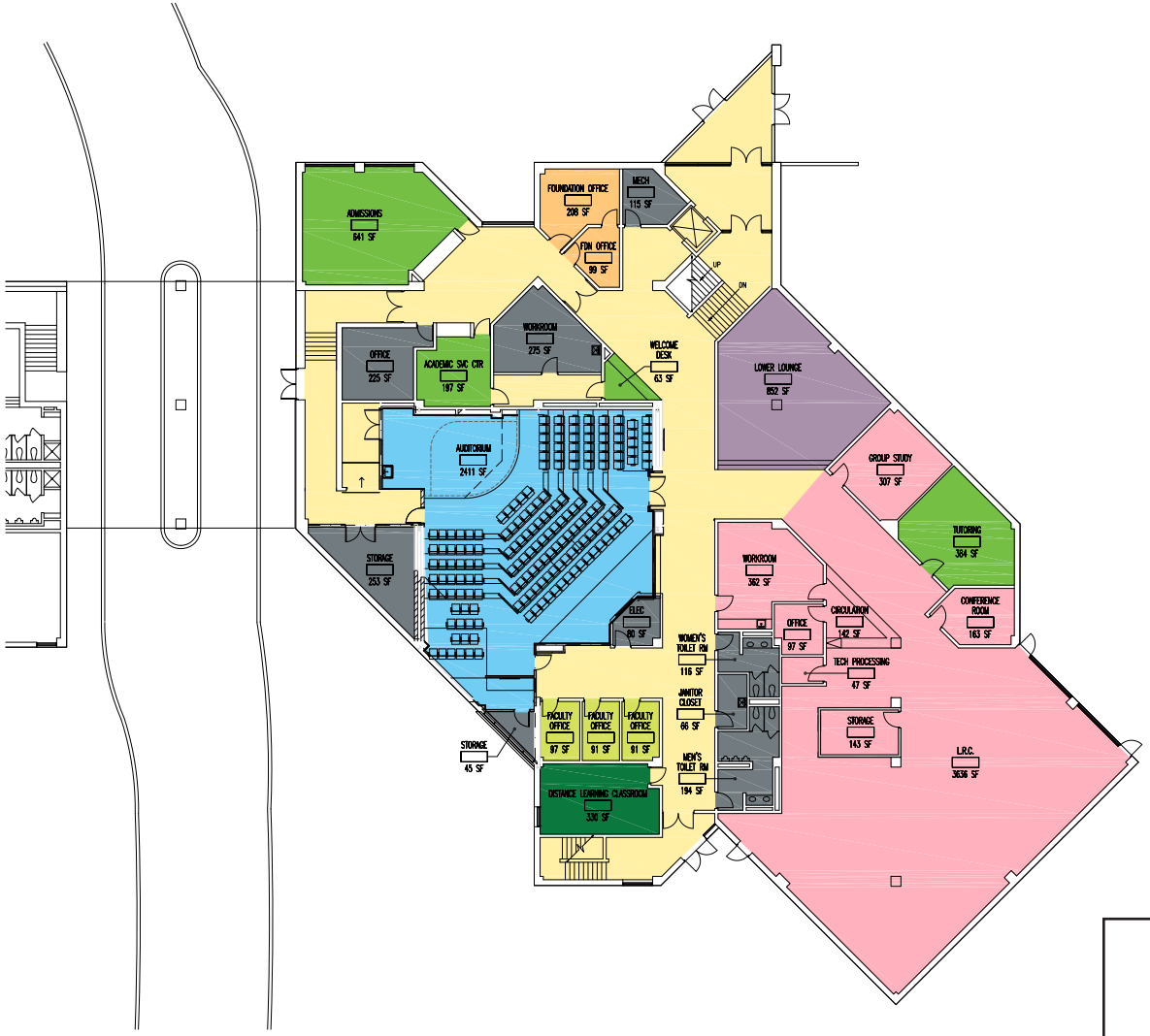
Building 2 • Computer Labs • IT Office Space • Faculty Offices	**1970**	**1**	**6,087**
Building 3 • Campus Police Offices • Science Lab • Welding Lab • Faculty Offices	**1970**	**1**	**5,249**
Building 4 • Art Studio • Classrooms • Faculty Offices • U of I Extension Center	**1970**	**1**	**5,893**
Building 5 • Horse Stables	**1980**	**1**	**12,289**
Building 6 • Horse Stables	**2000**	**1**	**2,944**
Building 7 • Arena	**2006**	**1**	**38,704**
Greenhouse	**1997**	**1**	**1,536**
Storage Building	**2010**	**1**	**2,304**
Student Housing (Owned by EC Foundation) • (60) Student Housing Units	**2005**	**3**	**11,619**

East Campus - Building Organization

Black Hawk College

SPACE LEGEND

- CLASSROOM
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- DISTANCE LEARNING
- STUDENT SERVICES
- ADMINISTRATION
- LIBRARY/LRC
- STUDENT ACTIVITIES



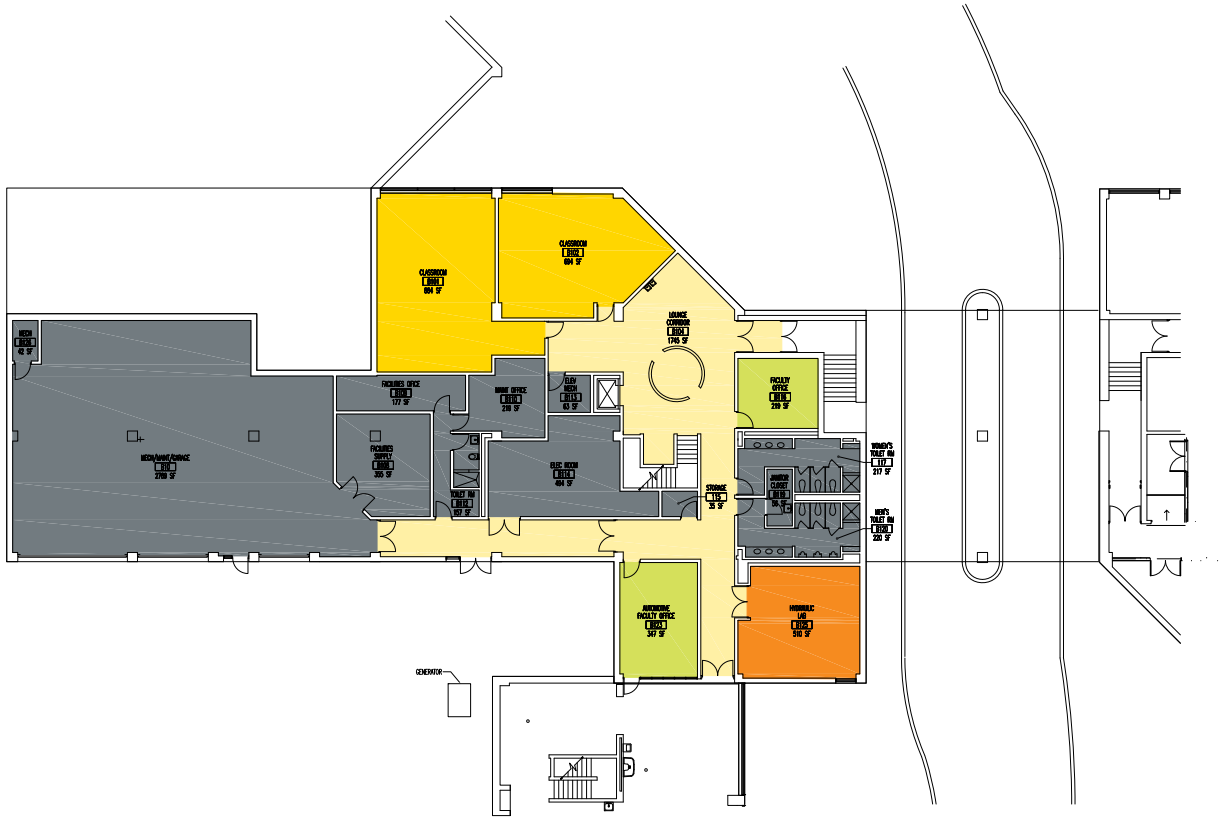
Building A - Existing Second Floor Plan

SPACE LEGEND

- CLASSROOM
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- DISTANCE LEARNING
- STUDENT SERVICES
- ADMINISTRATION
- LIBRARY/LRC
- STUDENT ACTIVITIES

SPACE LEGEND

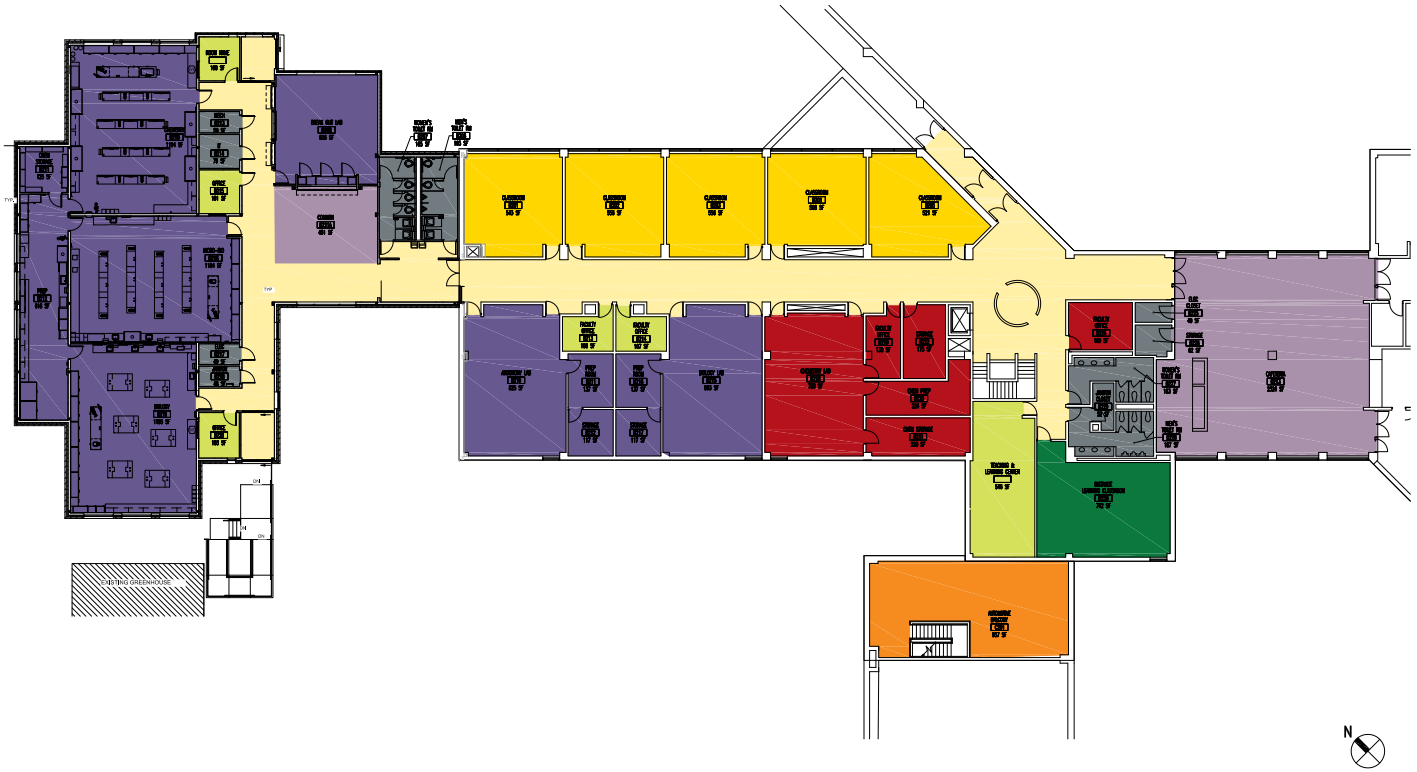
- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- FACILITIES/SUPPORT
- SCIENCE
- DISTANCE LEARNING
- STUDENT SERVICES
- INDUSTRIAL TECHNOLOGY
- VACANT
- STUDENT ACTIVITIES
- CIRCULATION



Building B - Existing Second Floor Plan

SPACE LEGEND

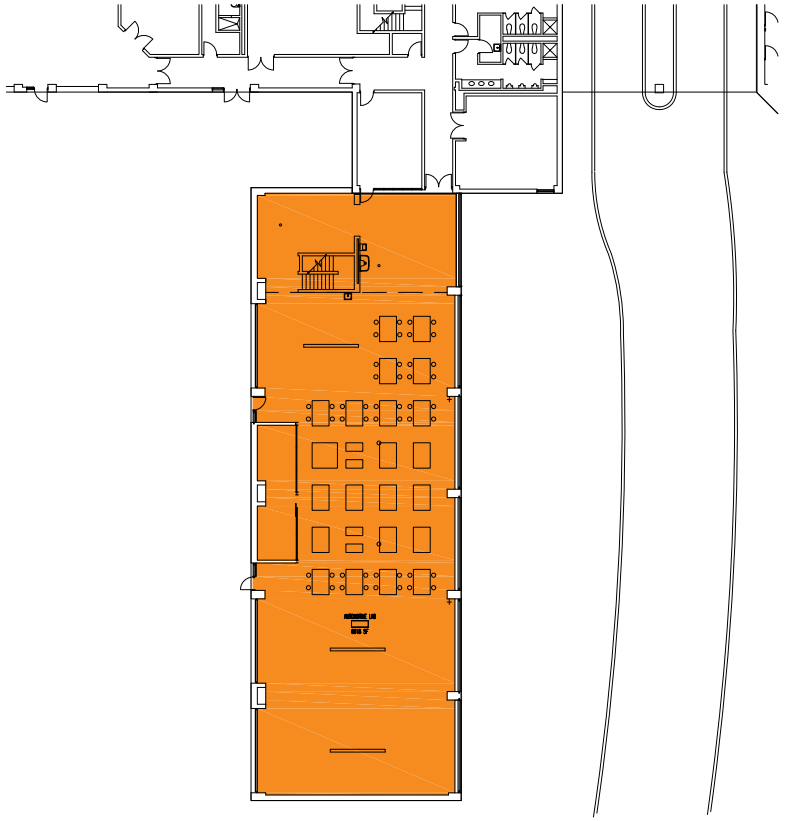
- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- FACILITIES/SUPPORT
- SCIENCE
- DISTANCE LEARNING
- STUDENT SERVICES
- INDUSTRIAL TECHNOLOGY
- VACANT
- STUDENT ACTIVITIES
- CIRCULATION



Black Hawk College

SPACE LEGEND

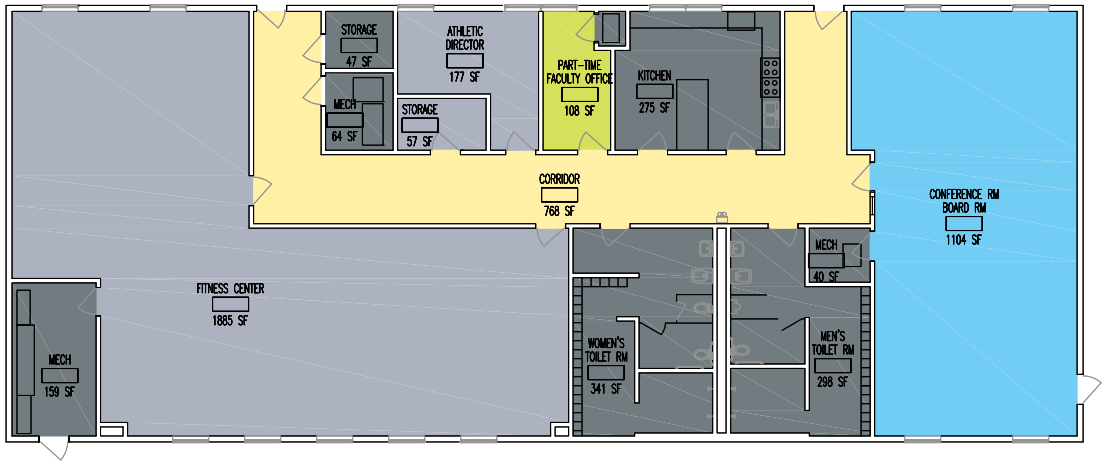
INDUSTRIAL TECHNOLOGY



Building 1 - Existing First Floor Plan

SPACE LEGEND

- FACULTY OFFICE/SUPPORT
- FACILITIES/SUPPORT
- ATHLETICS/WELLNESS
- CONFERENCE/MEETING
- CIRCULATION



Black Hawk College

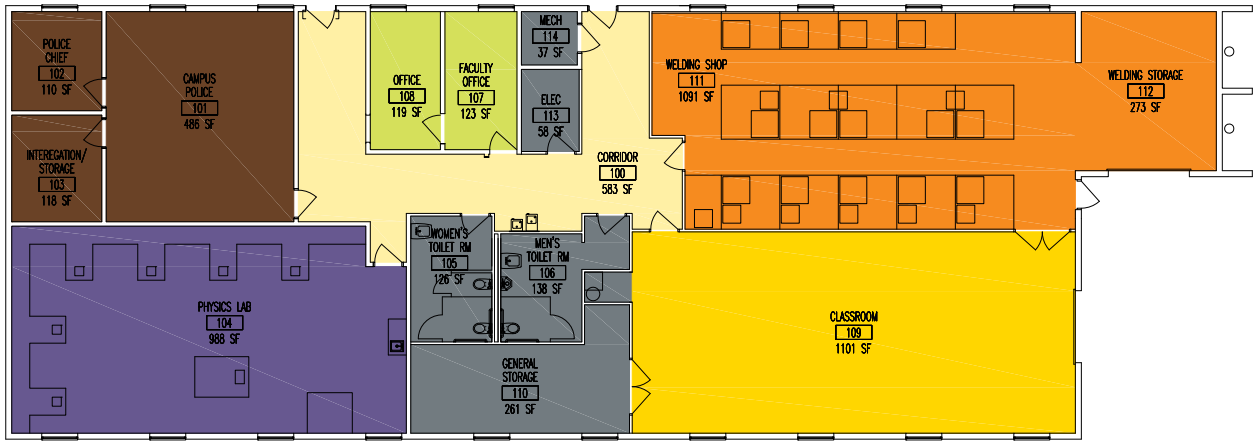
SPACE LEGEND

- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- CIRCULATION

Building 3 - Existing First Floor Plan

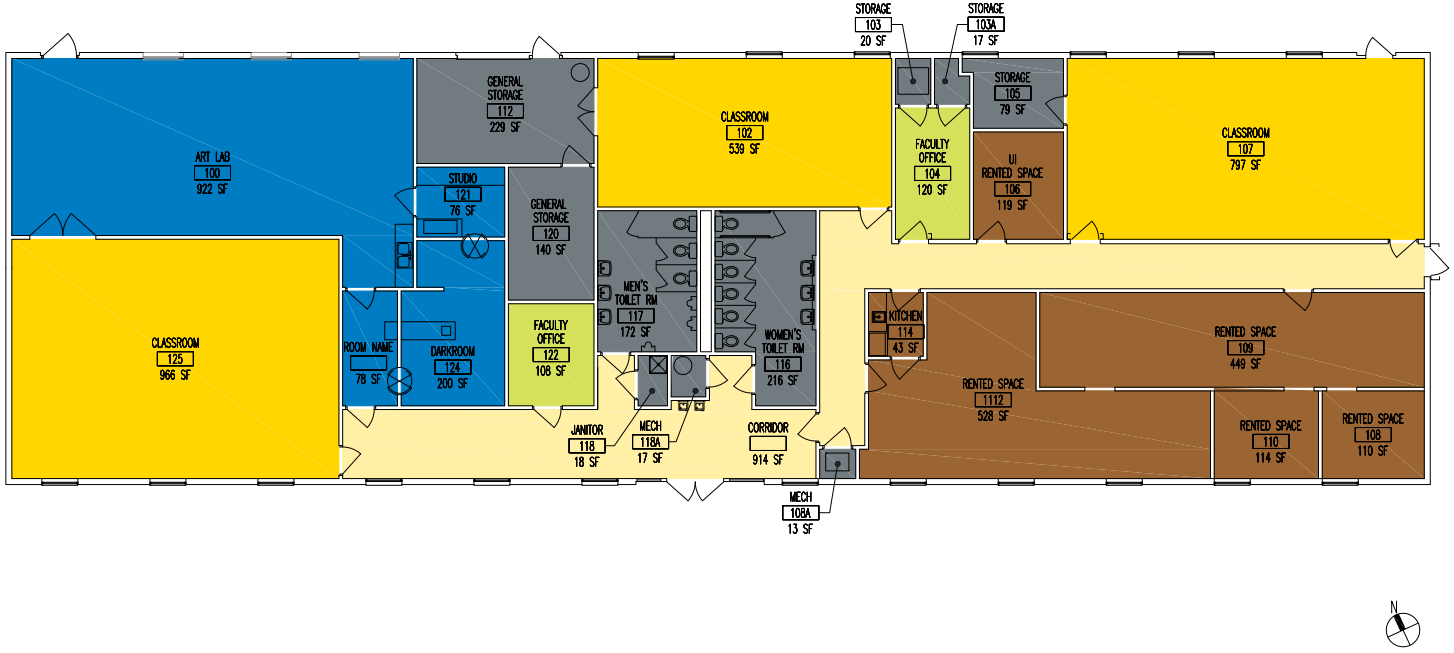
SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- CAMPUS POLICE
- FACILITIES/SUPPORT
- SCIENCE
- INDUSTRIAL TECHNOLOGY
- CIRCULATION



SPACE LEGEND

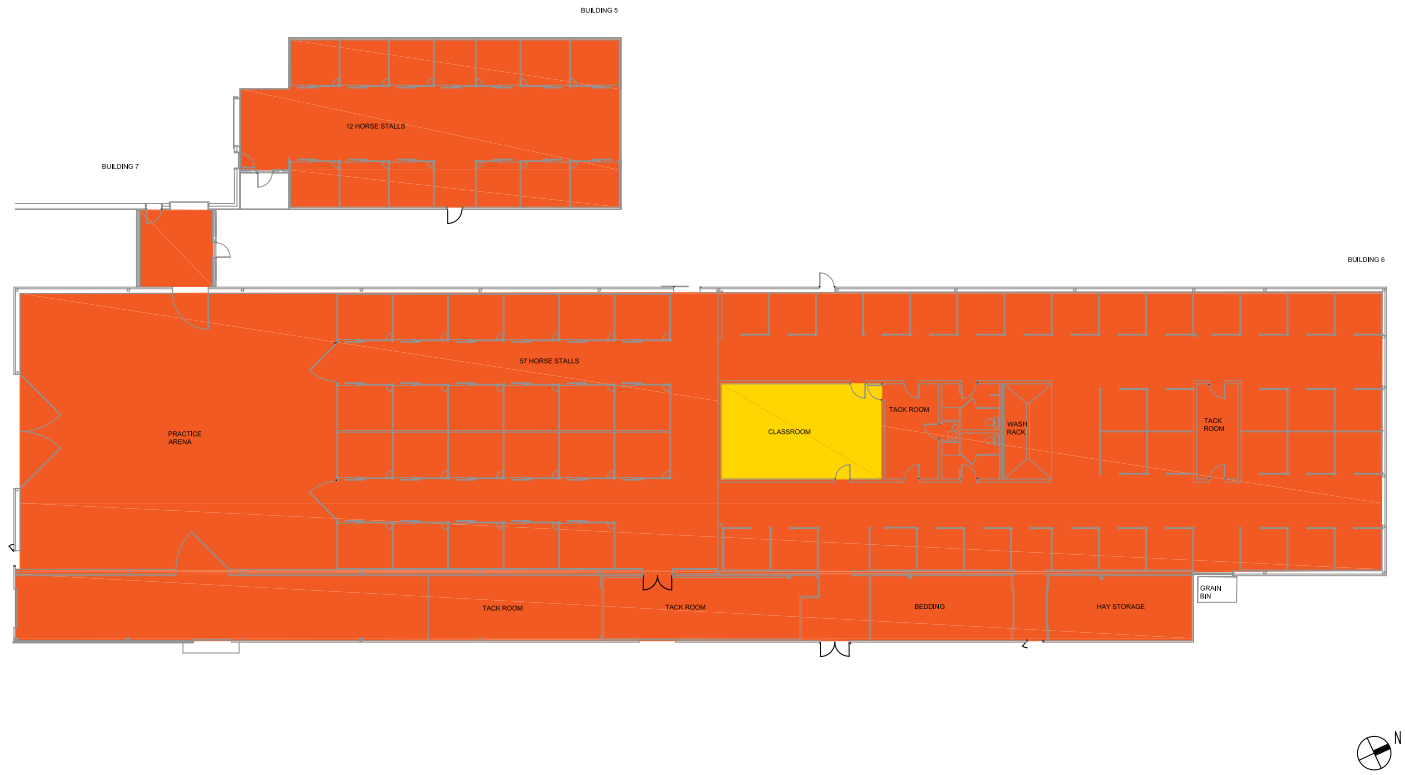
- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- LEASED SPACE
- FACILITIES/SUPPORT
- FINE ARTS
- CIRCULATION



Building 5 & 6 - Existing First Floor Plan

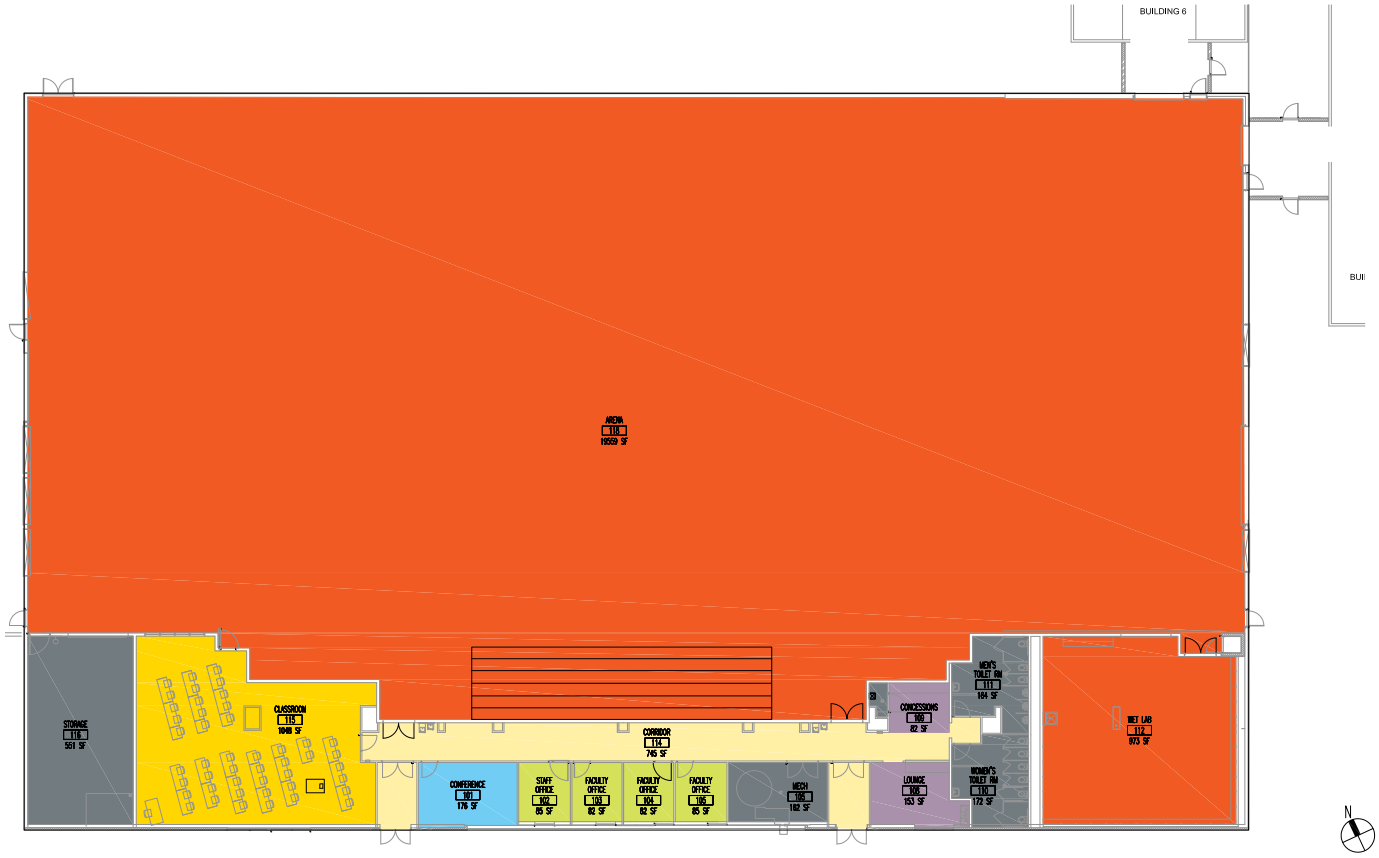
SPACE LEGEND

- GENERAL CLASSROOM
- FACILITIES/SUPPORT
- EQUINE PROGRAM
- CIRCULATION



SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- FACILITIES/SUPPORT
- EQUINE PROGRAM
- STUDENT ACTIVITIES
- CIRCULATION



In addition to the above facilities at the East Campus, the following outreach facility exists as well:

BUILDING	YEAR BUILT	LEVELS	GROSS SQ. FT.
Community Education Center	2007	1	11,085

SPACE LEGEND

- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- LEASED SPACE
- FACILITIES/SUPPORT
- CONFERENCE/MEETING
- STUDENT SERVICES
- LIBRARY/LRC
- STUDENT ACTIVITIES
- CIRCULATION

The East Campus is comprised of land controlled by the campus and adjacent land controlled by the Black Hawk College East Foundation. For purposes of this analysis, both land holdings are considered concurrently. The small stream runs along N 100th Avenue which combine to form the south campus boundary. (Image 09) Moving north into the campus, the topographic elevations increase (Image 10) to a heavily-wooded ridgeline before falling significantly to a second, slightly larger, stream. The west campus edge is defined by a steep bank overlooking US Highway 34. (Image 11) The east edge is the smallest of the four and is defined by Route 78. (Image 12) These four edges create a strong impression of where the campus edges are.

Much of the eastern third of campus is relatively flat bottomland and is dedicated to agricultural or equine uses. Garden plots (Image 13) and horse paddocks share most of the open space in this area. The only significant stands of vegetation are along the aforementioned north boundary and a small arboretum in the center of campus. (Image 14) The trees in this collection are common to the surrounding area in either natural or landscape industry situations. These include silver maple, spruce, hackberry, and a few oak. Small clusters of bottom land trees, such as cottonwood, grow along the banks of the southern stream.

The Campus Image Landscape comprises the remaining landscape area. Parking lot trees, intermittent shade trees, and large foundation shrubs characterize this area. One example is in the quadrangle defined by Buildings 1, 2, 3, and 4. (Image 15) Overall, the campus landscape vegetation is limited in size, quantity, and diversity.


image 09


image 10


image 11


image 12


image 13


image 14


image 15

SITE / CIVIL

Storm

A 24" corrugated plastic pipe running along the northeast property line of the campus, collects stormwater from Parking Lot A, the ring road boarding the northeast campus property, Building 1, Building 2, Building 3, and Building 4. This line discharges to northeast into Indian Creek. Along the north portion of the interior ring road, an 18" corrugated metal pipe conveys stormwater from the existing parking lot northwest of Building B south along the north side of the interior ring road, collecting runoff from Building B, Building A, and exterior areas immediately adjacent to the Building B access road. Immediately south of the Building B access roads intersection with the interior ring road, the pipe size increases to a 24" corrugated plastic pipe as it continues to collect runoff from the interior ring road and southwest portions of the campus. Runoff from Building 5, Building 6, and Building 7 are collected in this line southwest of Building 7. From here, the line continues south and discharges in the ditch north of the existing campus entrance.

Sanitary

The existing aerated lagoons have capacity to handle approximately 20,000 gallons of waste water per day. Based on DMR (Discharge Monitoring Record) reports provided by the EPA for this facility, current average daily discharges indicates current a usage of 23% of the overall treatment capacity. Approximately XX % of the average daily use is utilized by the Prairie Point Apartments. In the summer of 2013, the main sanitary trunk servicing the campus was replaced as part of the science building addition. The 6" ductile iron and clay pipe line was replaced with a 10" PVC line from the location of the science building addition, through the center of campus following the old pipe route, and discharges to the treatment lagoons.

Water

Water is obtained from one drilled well on site and is chlorinated, discharged to a 10,000 gallon below ground storage tank and is pumped to 2 1,500 gallon hydropneumatic tanks for distribution. A second well on site serves as a manually pumped back up. Data provided by the Illinois EPA Division of Public Water Supplies from a 2006 water supply test indicates a water supply production capability of the active well to be 180,000 gallons per day. High service pumping capabilities provide 259,000 gallons per day.

Gas

Gas service extends from Route 34 north of the campus towards Parking Lot A where it splits to the east and west to service the campus. The route splitting to the west travels along the north edge of Parking Lot A and the existing Parking Lot northwest of Building B. The line travels between the Prairie Point Apartments and the parking lot as it services the Prairie Point Apartments, Green House, Management Building, and Building B.

The gas service for the east side of campus extends on the parking lot access to Parking Lot A and services areas in the center of campus. Building A and Building 1 are serviced by this feed, after its split at Building A. The line continues to the south along the interior ring road as it feeds gas service to Building 2, and Building 7. The line extending to the east after the spilt at Building A extends along the outer ring road and services Building 4, Building 3, Building 6 and Building 5.

Fiber Optic

The main fiber feed to the campus originates from Route 34, north of campus, running along the north portion of the interior ring road and feeds into Building A. From Building A, service continues through the center of campus south along the interior ring road to Building 7. A second service from Building A feeds Building 1. From Building 1, service is routed to Building 4, Building 2, Building 3, and Building 7.

Technology
Telephone service feeds the campus from Route 34 and follows the same route to Building A as does the main fiber optic line. From Building A it is distributed to Building 1 and Building 4. From Building 1, it is fed to Building 2 on the south side of the Building 2, and continues to Building 3. From Building 3, service is provided to Building 5.

BUILDINGS

The East Campus does not have a central heating or cooling plant. Each building is served by roof-mounted electric heating / DX cooling RTU's. Below is a summary of building HVAC:

Building A

• AC-1 is being replaced in 2013. The unit serves the lower level of Building A. The RTU is located on the roof of Building A.

• AC-2 is a multi-zone unit that serves the upper level of Building A. The unit is original to the building (1976) and incorporates a DX cooling coil. The unit does not incorporate a heating coil. The RTU is located on the roof of Building A. The existing ductwork and HVAC infrastructure incorporates electric terminal air boxes for each zone.

Building B

• AC-3 is a multi-zone unit that serves the lower and upper levels of Building B. The unit is original to the building (1976) and incorporates a DX cooling coil and does not incorporate a heating coil. The RTU is located on the roof of Building B. The existing ductwork and HVAC infrastructure incorporates electric terminal air boxes for each zone.

• AC-4 serves the lower level custodian wing of Building B. The unit is original to the building (1976) and incorporates a DX cooling coil and electric heating coil. The RTU is located on the roof of Building B.

• AC-5 serves the Building B Agronomy Lab. The unit is original to the building (1976) and incorporates a DX cooling coil and electric heating coil. The RTU is located on the roof of Building B.

• AC-6 serves the Building B Bio-Lab. The unit is original to the building (1976) and incorporates a DX cooling coil and electric heating coil. The RTU is located on the roof of Building B.

• AC-7 serves the Building B Chemistry Lab. The unit is original to the building (1976) and incorporates a DX cooling coil and electric heating coil. The RTU is located on the roof of Building B.

Science Lab Addition

• RTU-1 is a multi-zone unit that serves the public / commons spaces of the Science Labs Addition. The unit was installed in 2013 and incorporates a gas-fired heating coil and DX cooling coil. The RTU is located on the roof of the Science Labs Addition. The ductwork and HVAC infrastructure incorporates electric terminal air boxes for each zone.

• RTU-2 is a single-zone unit that serves the Chemistry Lab. The unit was installed in 2013 and incorporates a gas-fired heating coil and DX cooling coil. The RTU is located on the roof of the Science Labs Addition.

• RTU-3 is a single-zone unit that serves the Micro-Biology Lab. The unit was installed in 2013 and incorporates a gas-fired heating coil and DX cooling coil. The RTU is located on the roof of the Science Labs Addition.

• RTU-4 is a single-zone unit that serves the Biology Lab. The unit was installed in 2013 and incorporates a gas-fired heating coil and DX cooling coil. The RTU is located on the roof of the Science Labs Addition.

• DOAU-1 is a dedicated outdoor air unit that provides make-up to fume hoods. The unit is interlocked with fume hoods and indexed to run upon fume hood operation. The unit was installed in 2013 and incorporates a gas-fired heating coil and DX cooling coil. The RTU is located on the roof of the Science Labs Addition.

ELECTRICAL SERVICE AND DISTRIBUTION

The existing electrical utility service for the East Campus is fed from a single utility source for the entire campus. The utility source feeds an outdoor pad mounted transformer located outside of Building B. The main electrical gear in Building B serves as the distribution point for the entire campus. The gear is large and antiquated, however it is still serviceable. The main electrical room is located on the first floor of the building and is confined by the auto shop and the maintenance garage. Extending power from this location for future buildings will be difficult.

Each building is fed from the main equipment in building B. Power is distributed to each building at 277/480 for equipment, heating, elevators, and lighting, and then transformed down to 120/208 for general power and receptacles.

Emergency Power

The East Campus's emergency power system consists of an outdoor generator at building B, which was recently installed. The system currently serves elevators, emergency lighting, and miscellaneous equipment throughout buildings A, B, and C. None of the other buildings on campus have access to emergency power. The system is sized to handle the needs of the current building, with only a minor amount of future expansion.

Fire Alarm and Mass Notification

The entire East Campus is covered by a networked fire alarm and mass notification system recently installed. The system consists of a fully addressable fire alarm system with voice based notification, and a mass notification system consisting of independent visual and audio notification, textural visual displays, and a roof mounted outdoor voice notification system that covers the entire campus. The system is expandable with network communication over fiber between the buildings.

Technology

The East Campus is served via a single point of entrance from local service providers.

Each building on campus is connected via 62.5 multimode fibers. Telecommunications rooms within each building are connected via 62.5 multimode fibers. Additional 62.5 fibers have been installed to support the fire alarm system.

Within each building the horizontal cabling infrastructure consists of category 5, 5e and 6 cables. Recent projects have utilized category 6 cabling. Cable television is installed in a few areas of each building.

Wireless network access points have been installed throughout the campus to provide wireless connectivity to staff and students.

Currently there is no access control system installed on campus. Recent projects have specified conduit rough-in for future card readers.

Video surveillance cameras are installed in several areas on campus. Camera coverage is being looked at for each new project. Milestone is the software installed. A dedicated server is located on this campus to store recorded images.

Emergency phones are located within the buildings. These devices are wall phones that are used for emergency but are not designated as emergency phones.

Audio/Video systems are located within each classroom. The system is designed by the college with installation provided by a contractor.

All telephone and network systems are specified and installed by the college.


Black
Hawk College

Programmatic Needs

Programmatic Needs

At the onset of the planning process, it was critical for the planning team as well as the stakeholder groups to clearly articulate and understand the overall planning goals or **Planning Objectives** that the ultimate master plan must meet. Because the planning process is highly iterative and there are many potential solutions to address the challenges that the college will face in the future, the Planning Objectives serve as a "litmus test" upon which the various potential planning solutions can be gauged to ensure that they are achieving the college's goals.

Because the Quad Cities Campus and the East Campus are unique in many respects, it is also important to understand that the Planning Objectives, while the same for both campuses, may in fact, be addressed in slightly different ways at each campus.

The key Planning Objectives that drove the planning process for the Black Hawk College Facilities Master Plan were as follows:

- **Image**
  - o Enhance the image of the individual campuses to reflect a more "collegiate" environment

- **Campus Environment**
  - o Develop a student-centered learning environment that responds to the college's diverse student population

- **Campus Life Space**
  - o Create additional indoor and outdoor campus life space to support student and employee needs

- **Connectivity and Organization**
  - o Strengthen the programmatic connectivity and physical organization throughout the campuses

- **Community Engagement**
  - o Create opportunities to engage the community-at-large on the campuses

- **Traffic Management**
  - o Improve vehicular and pedestrian circulation throughout the campuses and expand / upgrade parking facilities

- **Safety and Security**
  - o Consider safety and security for students, faculty, and staff as the campuses develop

- **Flexibility**
  - o Develop a flexible framework for growth that can easily be modified to accommodate change

- **Feasibility**
  - o Ensure that all planning directives are financially achievable and add value to the college

- **Sustainability**
  - o Incorporate sustainable strategies into the development of the college's facilities, operations, and academics

Focus group meetings were also conducted to identify specific programmatic needs associated with each of their particular areas. It is important to recognize that the purpose for developing space needs during this planning study is to identify a general order of magnitude of needs rather than specific space needs. Because the Facilities Master Plan represents a long-term framework for the growth of the College, it is certain that specific needs will change over time; however, identifying relative growth requirements, by department, on a regular basis will ensure the plan's flexibility.

The following summarizes the meetings that were conducted and the salient points that were identified.

Quad Cities Campus

Bookstore / Campus Services
• The Mail Room and Copy Center are currently centrally located and should remain so
• (12) pool vehicles are required for the campus
• The existing Shipping/Receiving area is adequate
• The existing freight elevator location does not allow easy accessibility throughout the campus
• It is currently difficult for trucks to maneuver in the Shipping/ Receiving area
• Provide Bookstore Storage adjacent to the new Bookstore

Information Technology
• Consider consolidating all IT functions in one location on campus
• The IT Help Desk space behind QC2-105 needs to be "gutted and renovated"
• Training space is required for IT staff
• Separate IT Rooms from Electrical Rooms throughout the campus

Campus Police
• Locate adjacent to Student Housing if possible
• Provide adjacent parking for police vehicles / covered parking is preferred
• Space for police could increase by approximately 50% to accommodate additional interrogation space and to allow police business to occur within the space versus in the adjacent corridor space
• Create a separate exit for the police offices
• Create a second exit onto 70th Street from Parking Lot1
• Uniform signage is required throughout the campus

Facilities
• The link / tunnel between Buildings 1 and 2 leaks and needs to be addressed
• Replacement of air handling equipment throughout campus continues through PHS funding
• Grounds / Maintenance / Carpentry Shop could be located into a separate building away from the campus core
• Space around Shipping and Receiving gets congested at times
• Vehicular patterns to the Shipping/Receiving area are confusing
• Eliminate the temporary storage pods throughout campus by providing a permanent storage facility
• Islands in parking lots were requested for snow storage/ trees/ shade

Marketing & Public Relations
• Locate offices adjacent to Shipping/Receiving if possible...and/or adjacent to Recruitment space
• Adjacency to Foundation Offices is not required
• Marketing & Public Relations currently has an adequate amount of office space

• The top three perceived attributes of Black Hawk College are as follows:
o BHC provides a quality education
o BHC is affordable
o BHC is convenient

Planning & Institutional Effectiveness
• Locate offices adjacent to consolidated IT Offices
• Need additional meeting space / (2) 600 sf rooms with a folding partition
• 60% of students at QC Campus are traditional students / 80% of students at East Campus are traditional students

Art & Music
• There are acoustical concerns within / between the Music spaces in Building 4
• There are ventilation concerns within the Art spaces in Building 4
• Need additional computer lab space
• The existing art studio space is too small to accommodate current needs
• Noise from the Student Center functions within Building 4 is disruptive to Art & Music space
• The pottery/ceramics trailer adjacent to Building 3 needs to be removed
• There is no "real" performance venue on campus

Business & Computer Technology
• (5) Computer Labs for 30 students each and (2) Lecture Classrooms for 30 students each are required
• Locate all Computer Labs and Classrooms together along with Offices
• Consolidate the existing computer lab within the ILC with the above computer labs/classrooms
• Locate Faculty Offices adjacent to classroom space

English / History / Social Science
• The existing number of classrooms that serve the program is adequate
• Relocate English Lab from Q1-101G adjacent to other English Classrooms
• Provide a Criminal Justice Lab and Crime Scene Room if possible
• Locate Faculty Offices adjacent to classroom space

Foundation
• The current location in Building 3 is difficult to find for the community-at-large
• The Foundation offices should have a more "professional" appearance
• Consider a separate Meeting Room for the Foundation
• Consider the relocation of Corporate Education/ Conferencing space from the Illinois workNet to the QC Campus
• Consider improving the Recreation Center/Building 3 to bring more community members to campus

ILC / Library
• There are major acoustical concerns within the ILC due to the temporary wall construction
• A true Testing Center needs to be developed within the

ILC
• The existing Math Lab is not an ideal learning space
• Consider moving the Computer Labs out of the ILC space adjacent to other program space

• The amount of existing Library space is adequate, however, re-organization and updating is required throughout
• Handicap accessibility is a concern

International Studies / ESL
• These two programs must remain together on campus
• The current location of these programs is difficult to find for students – consider relocating adjacent to other Enrollment Management functions

Math and Speech
• Classrooms for Math and Speech are currently located on the 2nd and 3rd floors of Building 3
• The current classrooms are too small to accommodate 30 students (approx. 500 sf)
• (7) classrooms are required for Math and (3) classrooms are required for Speech
• Locate Faculty Offices adjacent to classroom space in a "suite" type environment

SGA / Student Body
• Expand / improve the Student Center
• There are acoustical separation concerns with the Art & Music space on the first floor of Building 4
• Student Center should remain in Building 4 so it is centralized on campus
• Foodservice needs to offer a variety of food – consider food court
• Create a Child Care Center on campus to support student needs
• There is a general lack of student life space throughout campus (indoors and outdoors)

Student Services
• The new Student Services addition to Building 1 houses Advising, Career Services, Meeting Rooms, and Bookstore
• Students will still require access to Financial Aid and Registration in Building 1

Athletics
• Consider consolidating the baseball and softball fields in one location on campus
• Consider adding a cross-country course
• The existing Fitness Center is in an inconvenient location and is difficult to "sell" to the community
• Fitness Center parking is a concern
• Men's & Women's Locker Rooms are required at the lower level of Building 3
• There is no need for an indoor track
• The swimming pool generates revenue for the college
• Pool Locker Rooms are in major need of renovation/re-configuration
• Family Locker Rooms are required to support community use of the swimming pool
• Athletic Locker Rooms are in major need of renovation/ re-configuration

Human Resources
• Need a more inviting/professional space
• Would like to have a reception space
• The current location is difficult to find for interviewees
• There is a need for secure storage space / consider electronic documentation
• Consider convenient parking for interviewees
• Consider providing office space at East Campus

Finance
• There is a strong relationship between Finance and Administration, Consider providing office space at East Campus

Engineering Technology
• Consider moving/consolidating some lab space from Building 2 into the STB to allow lab space to open up in Building 2 for new programs
• Lecture for Engineering Technology could occur within the STB

Science
• Biology needs will increase if Health Science program offerings increase
• Chemistry needs will increase if WIU accredited engineering programs increase
• Consider consolidating all Science Labs together on one floor in Building 2
• Consider adding a Cadaver Lab adjacent to the Anatomy & Physiology Lab
• All existing science labs and prep/storage space require upgrades
• Need access to (6) lecture classrooms
• Consider providing student lounge space adjacent to the Resource Lab

Veteran's Center
• The new Veteran's Center should consist of one flexible space to accommodate lounge area, small kitchenette, and conferencing / seminar space
• Provide office space for (1) full-time staff and hoteling space for student services functions / workroom
• Do not locate in the midst of other student services / lounge space

East Campus

Bookstore
• The location of the entrance is a problem as it conflicts with the check-out counter
• The Bookstore requires a minimum of twice as much space as it currently houses
• The Bookstore requires display cases
• Consider changing the textbook sales model similar to the QC Campus
• The Bookstore should remain at the "hub" of the campus

Information Technology
• The existing Data Center is located adjacent to elevator and is too small
• The computer repair space in Building 2 does not have any heat or A/C and is inadequate for the campus
• Locate ITS office space adjacent to the Computer Labs on campus
• The East Campus requires additional 30 seat computer labs

Campus Police
• Locate the police offices adjacent to Student Housing if possible or centrally locate on campus
• Provide adjacent parking for police vehicles / covered is preferred
• Create a separate exit for police staff
• Create a second entrance/exit to/from campus from 100th Street
• Uniform signage is required throughout campus
• There is a lack of parking at the Arena
• One-way vehicular traffic behind Building 4 is a concern
• The campus needs an emergency generator

Facilities
• Roof top units are being replaced through PHS funding

• The sanitary sewer serving the student housing is undersized
• There is not enough parking on the south side of campus, especially at the Arena
• The perception of the "front door" of the campus was questioned
• Need to confirm the capacity of the existing sewage treatment plant for future growth
• Custodial, maintenance, and grounds space are all located in one area on the lower level of Building B and there is not enough space
• Consider indoor parking for pool vehicles
• Temporary Buildings 1 through 4 need to be replaced due to the temporary nature of their construction and the inadequate quality of space
• The existing Welding Lab is a major problem and needs to be replaced

Campus Services
• Campus deliveries are difficult due to the circuitous routing of the service drive
• Paper storage is a problem for the Copy Center
• Semi-trucks cannot fit under the overpass

Athletics
• Consider adding cross country/fitness trails on campus
• The Fitness Center should be twice as big / improvements may help recruitment for the college
• Provide locker room space for men and women (40 lockers each)
• Provide a multi-purpose/event space on campus
• The Armory Gym is adequate for competition events for the campus
• Consider sand volleyball on campus
• Consider frisbee golf on campus

Student Life / Student Services
• Amount of Enrollment Services space is adequate
• Consolidate Student Service functions into a "One Stop"
    o Enrollment Services
    o Advising
    o Disability Services
    o Financial Aid
• Re-configure the Testing Center to create more privacy and acoustical separation
• Provide space for clubs & organizations / there are currently 20 clubs & organizations on campus
• Consider acoustical concerns from the Student Center to surrounding space(s)
• Consider creating a new Student Center / front door for campus
• Consider providing a large community/event space
• Dining is too small for campus growth
• Consider moving Tutoring / Group Study to the existing Student Center
• Consider creating a coffee bar in the existing dining space

Student Government Association
• The existing foodservice / dining space on campus is too small
• The existing student lounge is too small to accommodate large campus functions
• The existing library space is tight / Provide additional quiet study space
• Students desire more outdoor student gathering space
• The Fitness Center is too small
• Need more open computing space on campus

Programmatic Needs

Agricultural Programs
• Maintain / upgrade (2) existing science labs in Building B as soils labs
• A new Ag Center should be considered on campus and should accommodate a Vet Tech Center and an Animal Science Building
• Storage of large animals could occur south of 100th Avenue
• Provide large classrooms on campus

Equine
• The Equine program should accommodate modest growth in the future
• The existing horse stalls are aging and in need of replacement
• A total of 80 stalls will be required in the future to accommodate growth of the program
• There are currently 70 stalls adjacent to the Arena
• The existing Arena is adequate
• A designated trailer parking area is required for events as well as for student trailers
• Access to the toilet rooms is through the foodservice area
• Consider an improved entry sequence into the Arena for the community

Liberal Arts
• The campus needs two larger art rooms (dirty and clean) with natural light
• Liberal arts prefers that classroom are sized to accommodate 40 students
• (10) full-time faculty offices are required and (2) adjunct faculty stations are required

LRC
• Additional space for quiet study and group study is required
• Views from the circulation desk to the library floor is poor
• The open computer area is always full and crowded
• The entry should be more inviting and should isolate noise from adjacent student life space
• Additional student lounge space in the library is desired
• The existing offices are not sized appropriately
• There is a need for additional outlets for computers throughout the library
• Desired adjacencies for the library include a coffee shop, bookstore, and the writing lab
• An outdoor patio for library use only is desired
• The prairie grass that used to cover the grounds was attractive and appropriate for the campus

Science
• The new addition accommodates existing needs but does not accommodate future growth
• Students and faculty would like more food choices a part of the foodservice operation
• Two of the existing science labs can be turned into a larger 50 person lecture / demonstration ready classroom that can be subdivided
• A quad would make the campus feel more collegiate

Business and Computer Labs
• Many students do not have laptops and require computer labs to do their work assignments
• The current computer labs are undersized
• (6) computer labs that are designed to accommodate 30 stations are required
• (2) private offices for full-time faculty and space for 4-5 adjunct faculty is required
• New computer labs should be located adjacent to either classrooms or the library and adjacent to each other

Foundation
• Approximately 80 acres of land may become available south of 100th Avenue for the college's use
• The East Campus Foundation owns the property that surrounds the existing campus and the campus boundaries may expand to accommodate growth needs
• There is a desire to create a Multi-Purpose / Community Building on campus to accommodate community events
• Consider combining the Student Center with the

Fitness Center
• Remove the existing temporary buildings to accommodate campus growth
• Student housing growth is being considered on campus /consolidate housing in one location on campus
• Consider outdoor student life space to support student housing
• A fitness trail on campus is being planned at the southwest corner of campus
• Evaluate the possibility of salvaging the "dedicated" trees on campus
• Need to evaluate the "front door" image of the campus
• Consider the prevailing winds (odors) with respect to the campus layout and the location of the Equine program
• Consider a consistent campus aesthetic (buildings and landscaping) throughout the campus

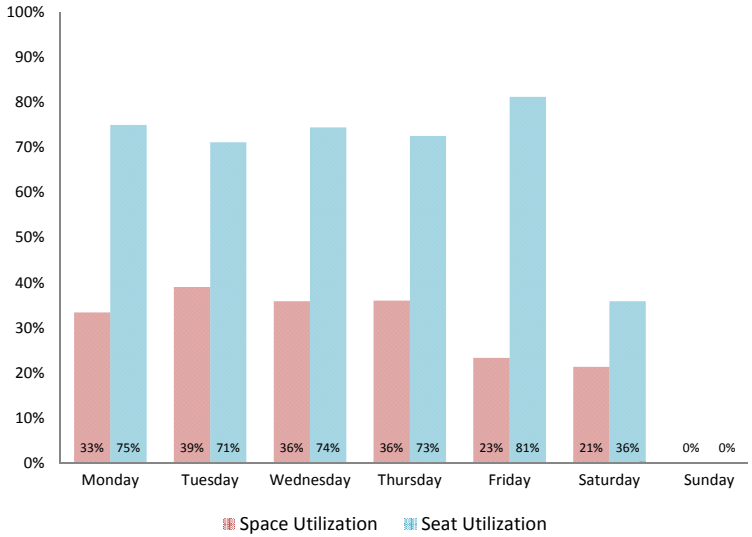
Agricultural / Auto Mechanics
• Building C is currently too small to accommodate both Agricultural Mechanics and Auto Mechanics lab space
• Consider relocating the combined lab space adjacent to an entrance to campus to minimize tractor traffic on the primary vehicular circulation system
• Provide classroom space adjacent to lab space
• Outdoor storage for vehicles and tractors is required adjacent to the lab space

Space Utilization

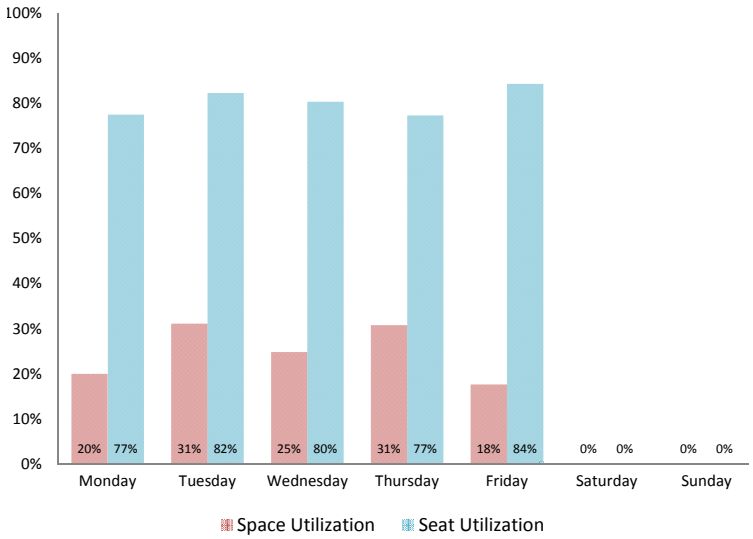
In addition to reviewing the current and future needs with each constituency group at each campus location, it is also important to understand the current space utilization information associated with classroom and lab space use in order to determine a benchmark for the planning process.

In order to develop this information, the college provided 10th Day Enrollment Data for the Fall Semester of 2012 to the planning team. This data included space utilization as well as seat utilization for general classrooms, computer labs, science labs and specialty labs throughout the Quad Cities Campus, East Campus, QC Outreach Center, and the EC Community Education Center. Based on this information, the planning team focused its utilization analysis on combined classroom / computer labs as well as science labs at the Quad Cities Campus and at the East Campus. It is important to note that the above data provided by the college represents credit classes only and does not identify space needs associated with Professional and Continuing Education (PACE) programs or ongoing meetings and events at the campus locations.

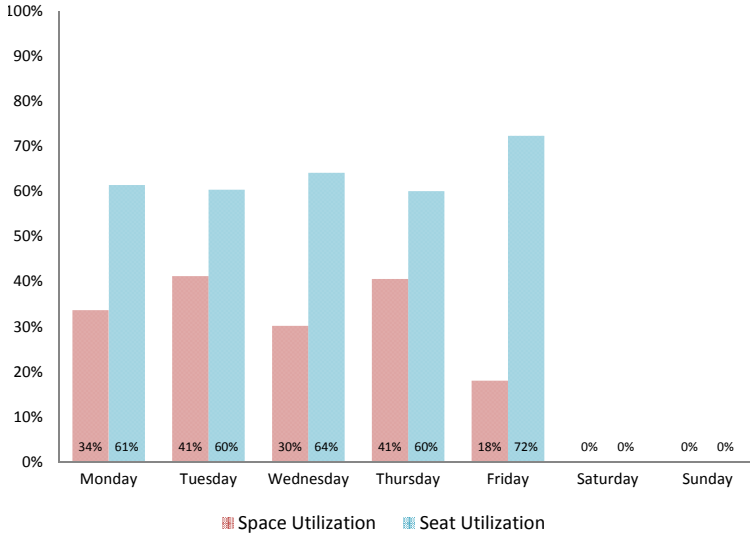
With an understanding that the primary operating hours for the college are 8:00 am to 10:00 pm, Monday through Friday, average space and seat utilization reports were developed as follows:



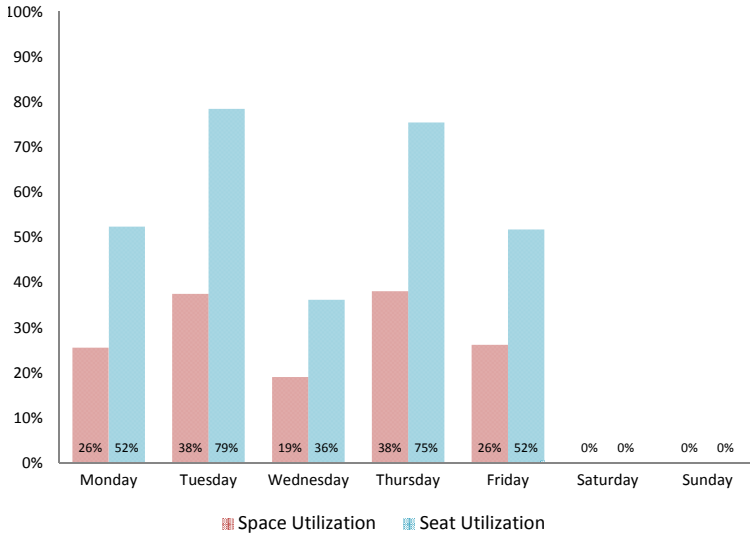
Quad Cities Campus - Classrooms / Labs



Quad Cities Campus - Science Labs



East Campus - Classrooms / Labs



East Campus - Science Labs

Based on the above reports, it is clear that there is not a current need for additional classroom / computer lab space and science lab space at either the Quad Cities Campus or at the East Campus purely based on current space utilization. This information is generally consistent with the feedback received from the individual focus groups. However, it is important to note that the need to upgrade many of these spaces was identified by numerous focus groups in order to create better learning environments for students. Additionally, it was stated that many of the classrooms throughout both campuses are inadequately sized and cannot comfortably accommodate larger classes, which in turn, creates pressures on scheduling and staffing needs for the college.

Based on this information the planning process has incorporated three major ideas with respect to classrooms, computer labs, and science labs:

- Upgrade existing learning environments where necessary
- Increase classroom sizes to accommodate large class sizes for certain programs
- Provide minimal growth in the number of learning spaces to accommodate future needs


Black
Hawk College

Campus Master Plans

This section describes the Facilities Master Plan in detail and provides rationale for the final decisions and available planning options that were reviewed by the planning team. The exploration of the various planning concepts that led to these decisions was guided by numerous ideas that evolved from collaborative sessions with the stakeholder groups at the College.

The final Master Plan identifies the intent for campus zoning, building organization, spatial definition, landscape/hardscape treatment, vehicular and pedestrian circulation and parking.

Components and Flexibility of the Plan

As the Facilities Master Plan is referred to in the coming years, it is important to understand that its function is to provide general direction to accommodate growth and development for the College. The plan is not conceived as a static picture of campus development, but is intended to be a flexible tool for managing change. There is a clear difference, however, between the concepts of the plan which have been established as design covenants and the specifics of the plan which have been identified as a general framework for implementation.

The following illustrates the major components that make up the Facilities Master Plan for each campus location, and each component contributes to the overall functionality of the plan. Although identified here separately, they are closely interrelated and collectively support the overall planning objectives.

The components illustrated include:

- Overall Campus Organization
- Vehicular Circulation & Parking
- Pedestrian Circulation
- Campus Life
- Building Organization and Spatial Definition
- Campus Image
- Infrastructure Needs

Overall Campus Organization

As stated previously, 34th Avenue currently bisects the Quad Cities Campus in the east-west direction, thus creating a North Sector and a South Sector of campus. Due to the limited development opportunities on the North Sector as a result of the existing topography / grade changes and mature vegetation, this area of campus is dedicated to student housing and associated parking along with a new Child Care Center / Early Childhood Education Center. General overflow parking for the campus is also provided in this area. In an effort to create efficiencies and convenience for students, faculty, and staff, it was determined that this area of campus should not house any major academic programs for the college, thus minimizing the need for large numbers of students, faculty, and staff to have to commute across 34th Avenue.

The South Sector of campus is primarily organized by the existing ravine that traverses the campus in the north-south direction. Since the ravine consists of a significant grade change, there are limited opportunities to connect the east and west sides of campus. As a result, the campus is generally organized into a west area and an east area with Building 4, the Student Center, connecting the two areas. Because the ravine is such a strong natural element on campus, it was agreed that any proposed modifications to the existing campus

structures as well as any proposed new campus structures should take advantage of the views of this area. This directive, subsequently led to the development strategy of the campus.

It was also agreed that the structures that line the east and west edges of the ravine should be situated in a way that will allow "view corridors" to be developed on both sides of campus, thus allowing individuals on one side of the campus to see through the ravine to the other side of campus. This strategy was developed for two reasons. First and foremost, it is important that students, faculty, staff, and the community-at-large visiting the campus clearly understand the breadth of the campus regardless of where they are. From a wayfinding perspective, it is also important for visitors on campus to easily orient themselves at all times and understand where they are going.

Lastly, in an effort to strengthen the overall organization of the campus, general vehicular circulation has been removed from the core of the campus and the pathways will be re-dedicated to pedestrian circulation.

As indicated above, the Facilities Master Plan for the Quad Cities Campus proposes to eliminate the vehicular roadways that lead from 38th Avenue at the south edge of campus to the inner vehicular roadway around the ravine. Additionally, the Plan proposes to eliminate the vehicular roadways between Building 1 and Building 2 that connect the inner vehicular roadway to Parking Lot 1 at the east side of the campus. The purpose for eliminating these connecting roadways is to convert the inner roadway system into a pedestrian pathway system. The result of this modification is the complete separation between vehicles and pedestrians, creating a much safer, pedestrian-friendly campus environment.

In order for this to occur, several adjustments to the existing vehicular system are required in order to maintain the ongoing operations of the campus:

• Currently, major deliveries to campus access the existing Receiving Area via 38th Avenue and along the inner roadway system. Once this is cut off, deliveries will be required to enter the Receiving Area directly off of 34th Avenue which will likely be accessed via 60th Street or 70th Street. The paved area to the north of the Receiving Area will require reconfiguration to allow large trucks to enter the area, maneuver appropriately, and stage as required.

• In order to accommodate the heavy delivery and trash pick-up for the foodservice operations within Building 4, the Student Center, a new freight elevator is proposed to be installed within the Receiving Area expansion (discussed later in this document). The installation of a new freight elevator in this area will allow deliveries to Building 4 to be consolidated with other deliveries for the campus.

• While vehicles will not be allowed to access the new pedestrian pathway system on an ongoing basis, it is important that police/ security and maintenance vehicles be allowed to access the pathway system when required. In order to accommodate this requirement, the reconfigured Paving at the Receiving Area will include an access drive from this area onto the pathway system and may be controlled with a gate system.

• One of the functions of the vehicular roadways between Building 1 and Building 2 is to serve as a secondary outlet for vehicles form Parking Lot 1 during peak times. Once these roadways are eliminated, a secondary outlet will still be required. In order to accommodate this need, it was determined that the existing softball field should be consolidated with the existing baseball field on the west side of campus. Once this area is vacated, Parking Lot 1 can be expanded to the south along 70th Street, allowing a new exit drive onto 70th Street to be provided. It is important to note that due to the sight lines at this location, the new drive will be an exit only and right turn only lane. The additional parking at this location will also serve the proposed new Workforce Development Center and will allow users of this facility easy access and exiting throughout the day.

• The existing entrance at the new Student Services Center will be maintained and will continue to serve as the campus's "front door". In order to allow vehicles to continue to enter this location and turn around to exit the same location, paving will be expanded within this are, thus creating additional parking. This expansion will also extend to the west edge of Building 1 where it meets the new Student Services Center to create a new Receiving Area for smaller deliveries associated with the Bookstore. There are currently several mature trees within this area and it is intended to maintain them as much as possible as the paved area is expanded.

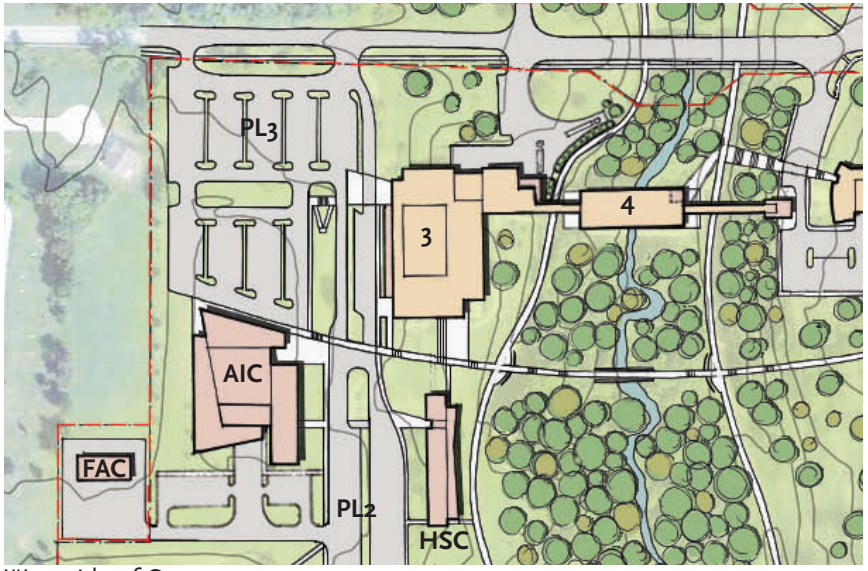
• As indicated above, Parking Lot 4, located north of 34th Avenue, will essentially remain as is and will serve the new Student Housing development as well as overflow parking for the campus in general.

• In addition to expanding Parking Lot 1 to the south as indicated above, upgrades such as providing additional islands/trees in order to provide more shaded areas for vehicles and the development of a drop-off lane for public transportation and general use is proposed as part of the Facilities Master Plan. These upgrades are also being proposed in an effort to upgrade the overall image of the primary parking lot used by students on a daily basis.

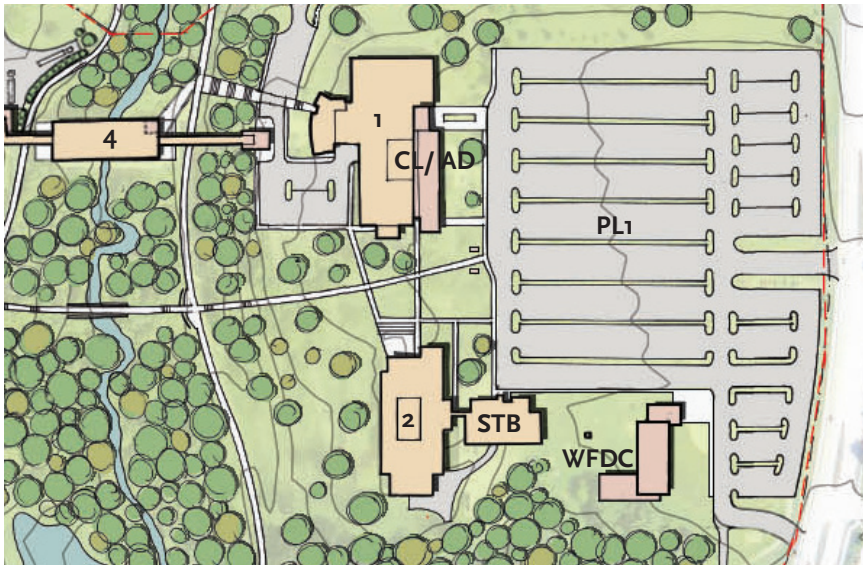
• Parking will be provided to accommodate the proposed new Arts Instructional Center on the west side of the campus. While the amount of parking indicated to the north of the proposed facility is likely not adequate for large functions, the existing north-south parking lot in this area, Parking Lot 2, will serve this facility as well.

• Parking Lot 2 is also well positioned to continue to serve the athletic fields including the existing baseball field as well as the relocated softball field in this area.

• In order to serve the receiving and loading needs for the stage portion of the proposed new Arts Instructional Center (AIC), a loading dock is proposed at the south end of the AIC along with some additional parking. This area can be accessed via Parking Lot 2.



West side of Campus



East side of Campus

Numerous upgrades to the pedestrian circulation system around campus have been incorporated into the Facilities Master Plan for the Quad Cities Campus. In addition to serving the general student, faculty, and staff population, it is important to recognize that the pedestrian circulation system will need to accommodate students living on campus in a slightly different way once the new Student Housing on campus is developed and occupied. One of the expectations with students living on campus is that they will walk to their classes and other areas of campus in lieu of driving. In order to encourage this, an efficient, safe, and pleasurable pedestrian circulation system will be required. Additionally, it is the College's desire to create opportunities to continue to engage the community-at-large on campus as much as possible.

Following are the proposed enhancements to the pedestrian circulation system on campus:

• As indicated above, the inner roadway system that surrounds the existing ravine will be converted into a pedestrian pathway system. At this time, the general configuration and construction of the path will remain as is, however, over time, the materials used to construct the path may be adjusted to more comfortably accommodate foot traffic.

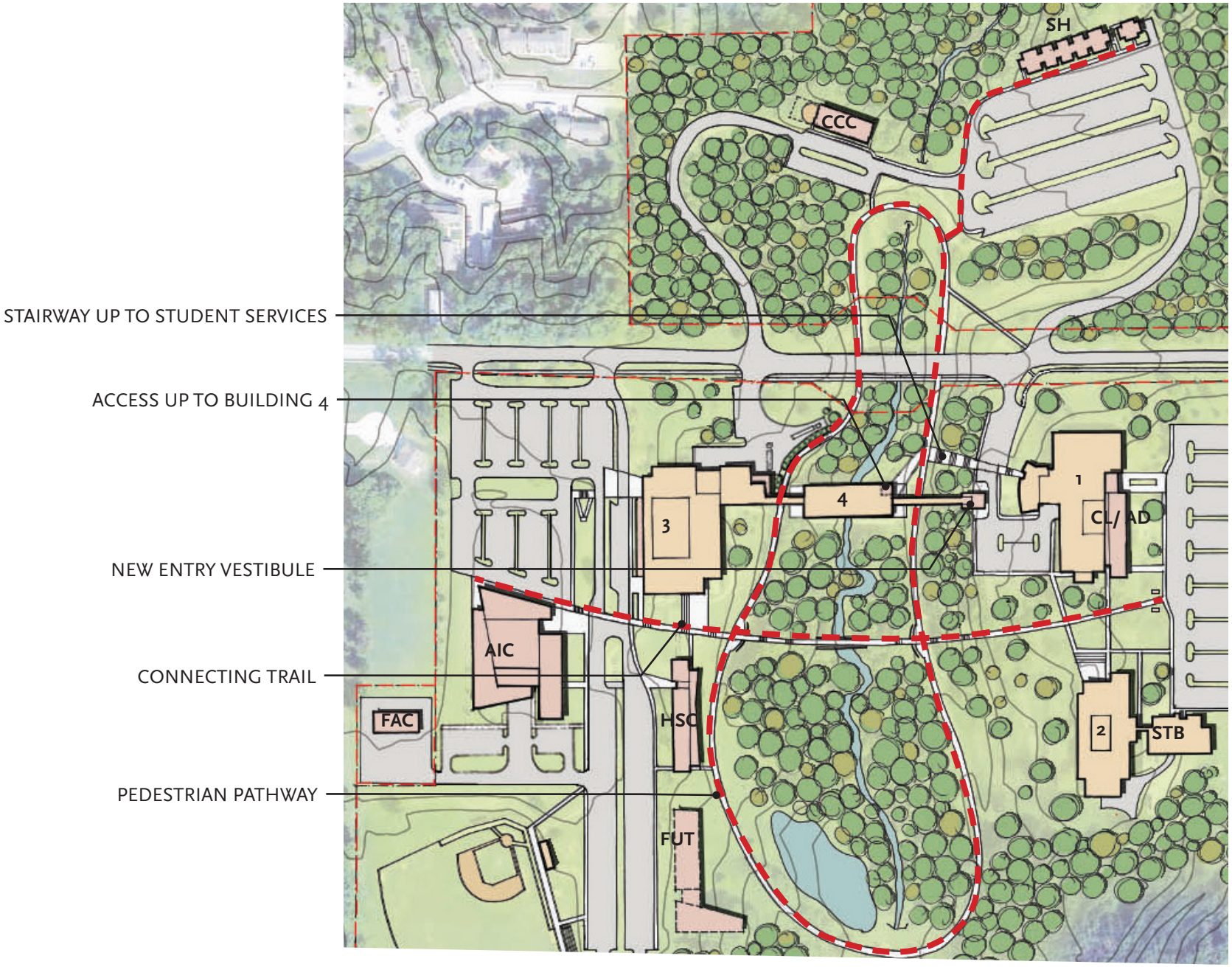
• It is important to note that the northern portion of the walking path that extends under 34th Avenue towards Parking Lot 4 will likely be the primary path used by students living in the new Student Housing development to access the rest of the campus. The eastern leg of this portion of path is designed to access the campus at two locations:

  o An exterior stair aligned with the entrance to the new Student Services Center will create a strong connection between the walking path and the "front door" of the campus.

  o The elevator and stair located at the northeast corner of Building 4, the Student Center, will extend down to the level of the walking path and will create a welcoming vestibule directly up into the Student Center.

• Currently, visitors that park directly west of the new Student Services Center and want to go to the western part of the campus are forced to walk down a wooden set of stairs along the north edge of the glass link leading to Building 4, then enter the link in the north side through a single door. In order to improve this situation and to better accommodate handicap accessibility, a new entry vestibule consisting of an internal elevator and stairway is proposed at the parking lot level that connects down to the glassy corridor system.

• As discussed previously, the existing ravine creates a natural barrier between the east and west sides of the campus. Currently, Building 4 and the related corridors leading to and from it are the only way to get from one side of the campus to the other. In an effort to create another pathway between the two sides of campus as well as to access the walkway system around the ravine, a new exterior trail is proposed as part of the Facilities Master Plan. The proposed path is generally aligned with the "view corridor" between the two sides of the campus and will also connect the parking areas on both sides of campus along with the pathway system around the ravine.


STAIRWAY UP TO STUDENT SERVICES
ACCESS UP TO BUILDING 4
NEW ENTRY VESTIBULE
CONNECTING TRAIL
PEDESTRIAN PATHWAY
SH
CCC
1
CL/AD
4
3
AIC
FAC
HSC
2
STB
FUT

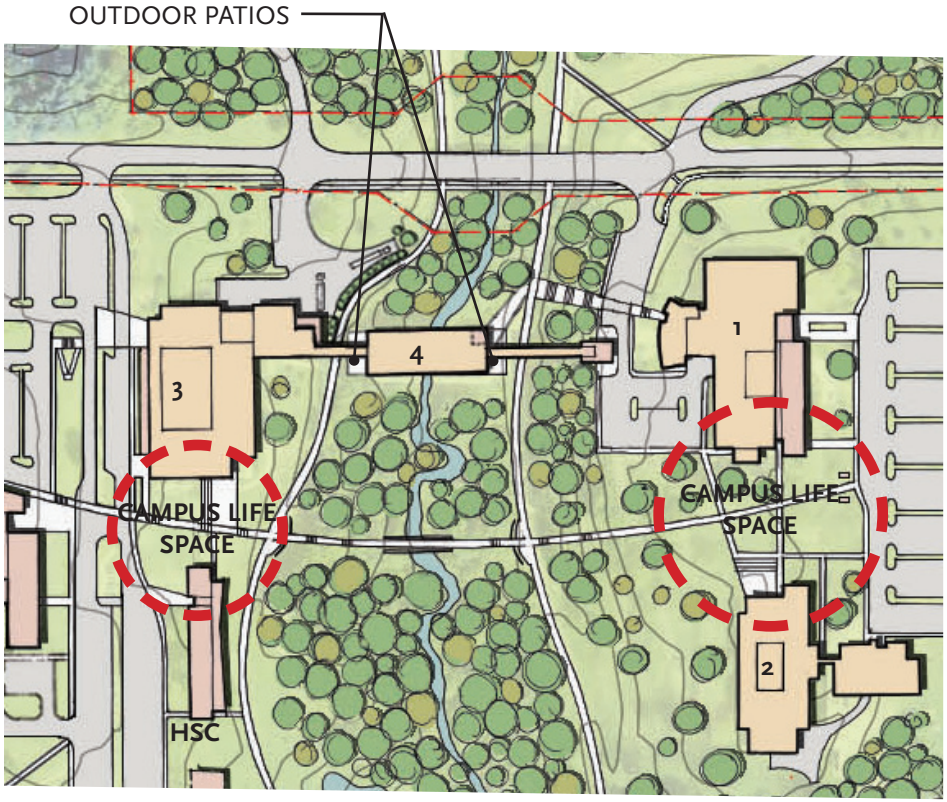
The current Quad Cities Campus plan provides very little opportunity for students, faculty, and staff to gather outside for casual use or for programmed use. This "off-stage" space is a critical component of any campus environment in order to encourage various levels of interaction between various user groups. In addition, to providing campus life space within the facilities, the Facilities Master Plan has identified several outdoor campus life spaces as well.

As discussed previously, the buildings that line the east and west edges of the ravine have been organized in a way that will provide "view corridors" between them. These voids between the buildings will also be used as outdoor circulation between them, and as a result, these areas become natural opportunities for gathering spaces. Not only are these areas easy to access from the buildings, but they are also positioned to utilize the ravine as a backdrop. Along the west edge, these areas also include some significant grade change which can be used to create tiered seating if desired to form outdoor presentation space.

The two primary opportunities for Campus life space are located between Building 3 and the proposed Health Sciences Center on the west side of campus and between Building 1 and Building 2 on the east side of campus. These two areas are also the points on campus that connect the proposed walking trail that traverses through the ravine.

Lastly, there are currently four outdoor patios located at the corners of Building 4. While these areas are easily accessible, they are seldom used due to their current design. These areas have the opportunity to be re-designed along with the Student Center in Building 4 to create more inviting campus life space that can be perceived as perches overlooking the natural ravine below as well as the campus as a whole.

The Facilities Master Plan for the Quad Cities Campus identifies issues associated with the location of proposed future facilities on campus as well as major renovations. It is important to note that these issues help to define ultimate spatial relationships between functions on campus as well as the relationship of these functions to the campus as a whole. The final location and actual design of the facilities must ultimately serve specific programmatic and aesthetic goals for the project. Following is a summary of the proposed new construction and major renovations throughout campus:



Black Hawk College

View looking west between building 3 and HSC

Proposed New Construction

Student Housing (SH)

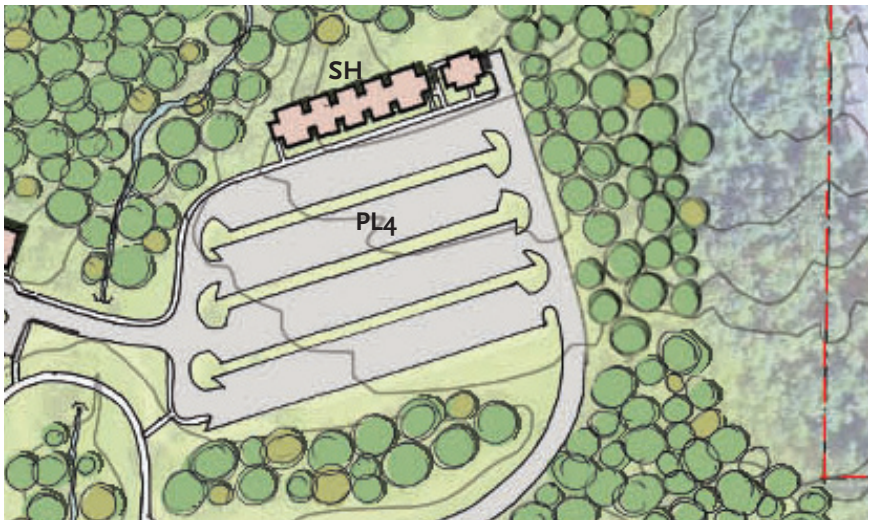
Because Black Hawk College District No. 503 encompasses approximately 2,200 square miles and is one of the largest community college districts in Illinois, there are numerous students throughout the District that have a difficult time accessing the Quad Cities Campus on a daily basis. In order to overcome this accessibility issue and to provide more opportunities for its students, a student housing development will be created. The initial development will accommodate approximately 120 students in a variety of apartment-style living arrangements. Additionally, a small clubhouse structure will be developed adjacent to the student housing units and will include lounge space, a small fitness center, laundry, and other amenities for students.

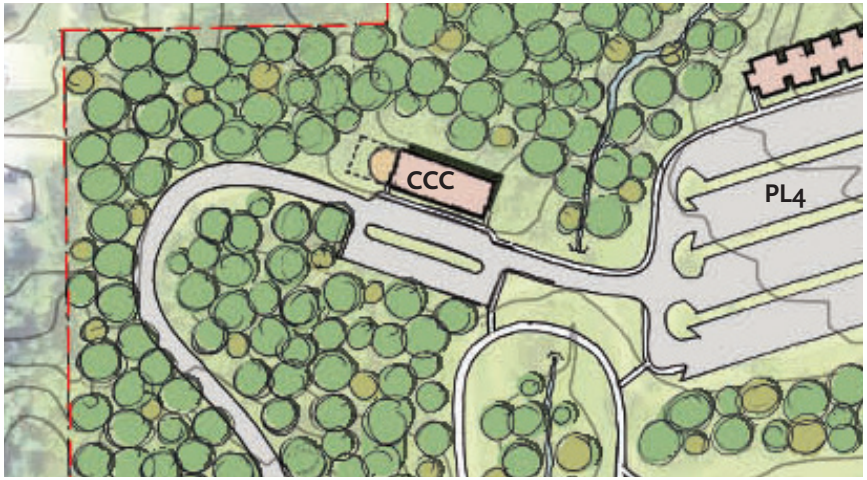
Upon evaluation of the most suitable location for the student housing development, there were several issues that were considered including:

- o Available parking – approximately one space per student
- o Ease of access to campus for students
- o Compatibility of a residential-style architecture with the rest of the campus architecture
- o Possible expansion capabilities
- o Development costs

Based on the above criteria, the location directly north of Parking Lot 4 was identified as the most suitable location for the development of student housing and its associated clubhouse. Clearly, this location will be able to take advantage of the existing parking for its residents and the new pedestrian walkway system described previously will provide a strong link between the residential students and the rest of the campus. This location is also remote enough from the existing campus structures south of 34th Avenue that there will not be any compatibility issues related to the architecture on campus. Lastly, there are opportunities for expansion of the development within this area if the need arises in the future.

It is important to note that the management of the student housing development as well as the ownership of the facilities and associated property will need to be by an entity other than Black Hawk College.





Child Care Center / Early Childhood Education Center (CCC)
In order to accommodate the child care needs for students, faculty, and staff on campus as well as to provide appropriate space to support the college's Early Childhood Education program, the need for a new Child Care Center / Early Childhood Education Center was identified during the planning process.

Due to typical safety and security concerns associated with children accommodated within Child Care Centers, it is desirable to locate these facilities in an area that generally does not mix with ongoing campus operations. As a result, the area north of 34th Avenue was identified as the location that best accommodates the following:

- Separation from campus operations
- Opportunity for a separate drop-off / pick-up area
- Opportunity for dedicated short-term parking / staff parking
- Appropriate area for outdoor play space to be developed

While the above attributes of the identified site are well-suited for the child care functions of the proposed facility, it is also understood that students utilizing the facility for Early Childhood Education may need to walk to the facility from other facilities on campus. The new pedestrian pathway system will accommodate this pedestrian circulation in a safe and efficient manner.

Health Sciences Center (HSC)

Not unlike many community colleges throughout the state, the health science programs at Black Hawk College are continuing to grow based on demands throughout the industry. As a result, the college has determined that a new facility dedicated to the health sciences should be developed on campus. The current health science programs are located in Building 3 and the amount of dedicated lab space is limited. After evaluating several locations on campus, it was determined that the new HSC should be located to the south of Building 3 in order to maintain its proximity to some of the existing programs that may remain in Building 3. Additionally, it was discussed that development on the west side of the ravine will begin to balance the campus and better utilize Parking Lot 2.

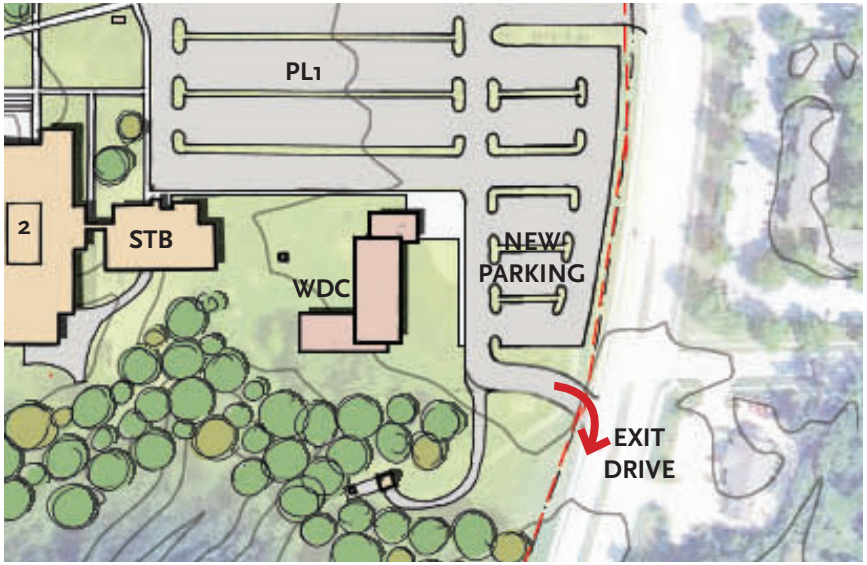
As discussed previously, the building is envisioned as a linear building in the north-south direction, allowing the east side of the facility to open up to the ravine with interior campus life space, while the west side of the building will present an opportunity to further develop the campus's image facing the parking area. It is also important to note that the north end of the building will flank the south edge of the proposed campus life space being developed between the HSC and Building 3. As a result, this portion of the proposed facility becomes very architecturally prominent on campus and should be treated accordingly.

View of HSC

Workforce Development Center (WDC)
The college's Illinois workNet facility is currently located in Moline, in an off-campus facility and houses numerous programs including, but not limited to, the Business Training Center, Small Business Development Center, various grant-funded programs and ESL. As identified in the Planning Objectives, it is the college's desire to explore opportunities to better engage the community on campus where feasible. The college has identified the potential consolidation of these functions to the Quad Cities Campus as an opportunity to achieve this goal as well as to reduce the financial burden of continuing to lease and maintain a separate location.

One of the concerns expressed regarding the relocation of these functions to the Quad Cities Campus is the potential inconvenience experienced by the typical users of this facility in terms of "mixing" with the general student population on a daily basis. The ability for the WDC users to have convenient parking was cited as the primary concern. As a result of this parking issue as well as the need to ensure that the new facility can be easily identified by its users when driving by the campus, the Facilities Master Plan has identified the location for the new facility at the southwest corner of Parking Lot 1 immediately east of the Sustainable Technologies Building. The parking area expanded to the east of the new facility can easily be dedicated to the WDC if necessary. This location is also very prominent along 70th Street which is a major thoroughfare leading to the college.

Lastly, the new WDC will also potentially house various Industrial Technology programs such as welding on campus. The proximity of the identified location to the Sustainable Technologies Building and the existing Industrial Technology programs currently housed on Building 2 will also create overall efficiencies for the program-at-large.



Arts Instructional Center (AIC)
During the focus group meetings with the Art and Music programs, several major areas of concern were identified which led to the need for a new Arts Instructional Center on campus as follows:

o The only performance space on campus is the auditorium currently located at the south end of Building 1. This space not of adequate size to accommodate larger performances, and it is not currently designed for theatrical performances. Additionally, when the space is being used for theatrical performances (stage prep, rehearsals, etc.), it cannot be used for anything else during this timeframe.

o The existing music labs currently located on the first floor of Building 4 are not acoustically separated from adjacent spaces and are currently ineffective.

o The amount of art space currently located on the first floor of Building 4 is inadequate and additional space is required for the program.

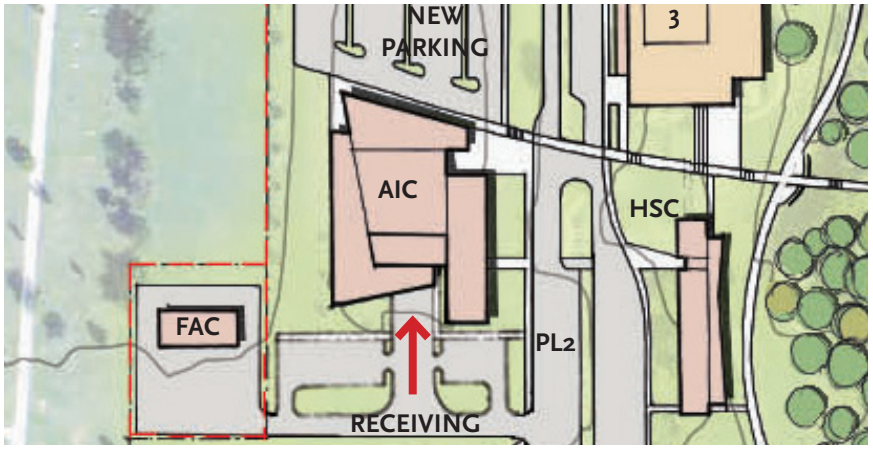
o The existing ceramics lab is currently housed in a temporary structure adjacent to Building 3 and is in need of replacement.

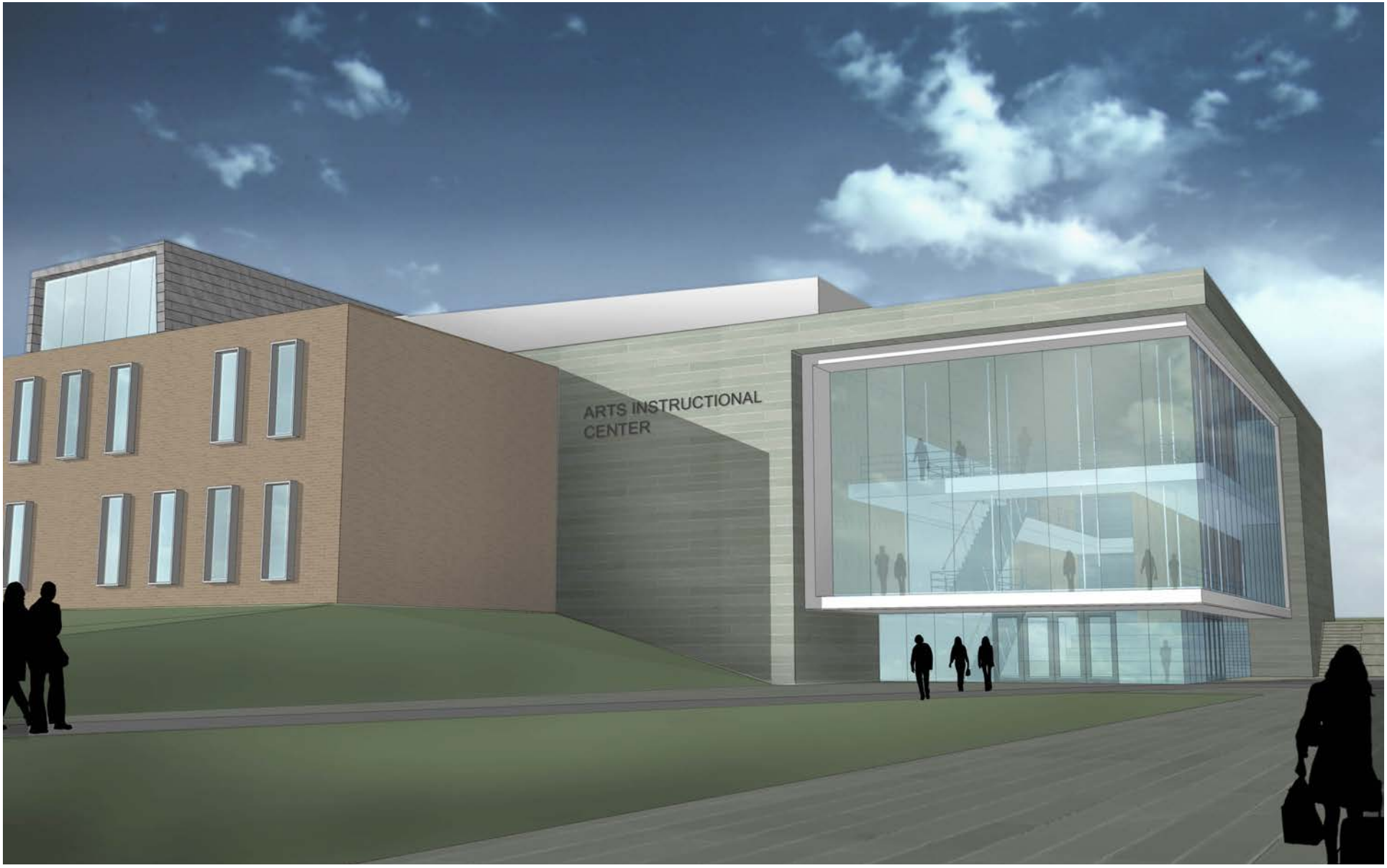
o If Building 4 is to be dedicated as a true Student Center for the campus, the existing Art and Music classrooms and labs will need to vacate the building in order to provide adequate space for Student Center activities.

Based on the above issues, a new Arts Instructional Center consisting of a multi-purpose performance venue, pre-function space, art labs, music labs, classrooms and offices was identified. Because a performance venue such as this will inherently become a community-centered facility, it is important that the AIC address the community as well as the overall campus in its positioning. With this criteria in mind, it was determined that the new facility will be located on the west side of campus on the plateau west of the proposed Health Sciences Center.

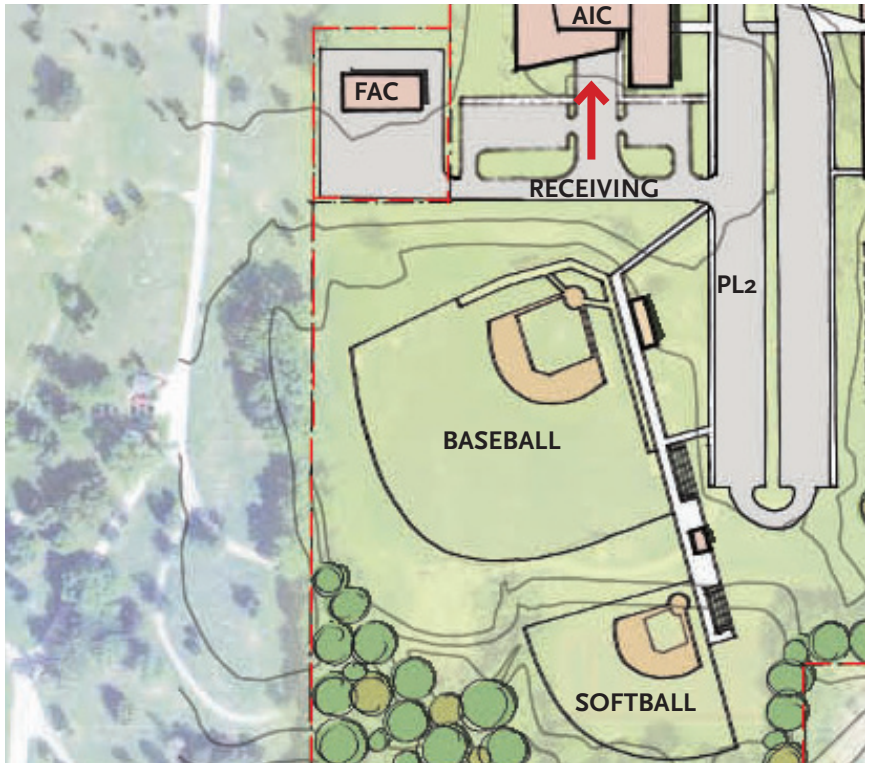
Placing the AIC on this plateau will not only give the building prominence on campus, but it will also allow the architecture to take advantage of the possibility of creating multiple levels to enter it from the higher elevation parking to its north as well as its lower elevation parking to its east. The pre-function space or lobby will be positioned at the building's north end facing 34th Avenue so it can be easily identified by the community. The north-south positioning of the lobby is also important so it can be viewed from the east side of campus between Building 3 and the HSC and serve as a beacon during major performances or events on campus.

The service side of the AIC which includes the loading/receiving area as well as potential outdoor art space and utility equipment should be positioned to the south and west sides of the facility to hide them from the general views from campus.





View of proposed AIC lobby



Facilities Building (FAC)
Due to the current lack of storage space for the campus, several portable storage containers have been purchased by the college and distributed on the grounds of the Quad Cities Campus. In an effort to eliminate these containers and to consolidate the storage into a more "permanent" structure on campus, a new Facilities Building has been proposed on the west side of the campus north of the baseball field. Due to the proximity of this building to the athletic fields, it was also discussed that grounds equipment that serves the athletic fields should also be stored at this location.

It is important to note that the property proposed for the location of the new Facilities Building is not currently owned by Black Hawk College, and in order for this structure to be constructed, the college will need to acquire this land from the adjoining property owner.

Classroom / Administration Addition to Building 1 (CL/AD)
As indicated in the Program Needs portion of this document, the current space utilization information analyzed as part of the planning process as well as the enrollment projections provided by the college did not reveal a significant need for additional classroom space on campus. However, the need for larger classrooms to more adequately accommodate larger numbers of students was identified as a need. In order to accommodate this need, additional space dedicated to general classrooms is required. Additionally, it was noted that the space currently housing the administrative offices and the Board Room for the campus could be better used by other student service

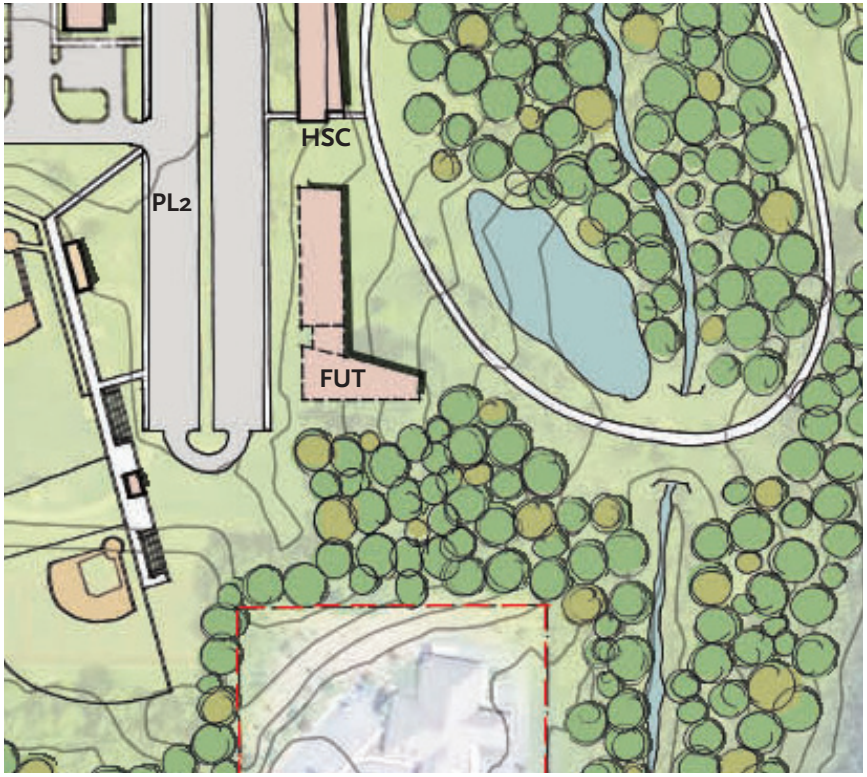
functions such as International Studies as well as other operational functions such as Marketing and Bookstore Receiving to create overall efficiencies for the college.

Based on the above issues as well as the desire to improve the image of the east side of Building 1 and to create a much stronger entry image for the students that park in Parking Lot 1, an addition consisting of new, larger classrooms, administrative offices, Foundation offices, and a new, larger Board Room is proposed along the east side of Building 1. The relocation of the administrative offices, Foundation offices, and Board Room to this side of the building will also make these functions much more accessible to the community-at-large. In addition to improving the entry image for students in alignment with the existing entrance to Building 1, a second entrance is proposed that will allow access directly up to the administrative offices, Foundation offices, and Board Room.

Future Building Site

In addition to the proposed facilities identified above, the Facilities Master Plan also identifies a future building site to accommodate future program needs that are unknown at this time. The purpose for identifying this site is for planning purposes only and to ensure that future work such as utility routing, roadways, and walkways respect these areas.

The area identified is located directly south of the proposed Health Sciences Center and is oriented in a way that best takes advantage of the views toward the ravine.



Building 1

First Floor
• Relocate International Studies / ESL to the second floor of Building 1 so these functions are adjacent to other student service functions
• Relocate three computer labs to areas adjacent to related program space (Math, English, and Business)
• Renovate / upgrade student Success Center to include additional tutoring space, academic computing space, and testing space
• Provide new handicap accessible elevator from first floor up to third floor / balcony level

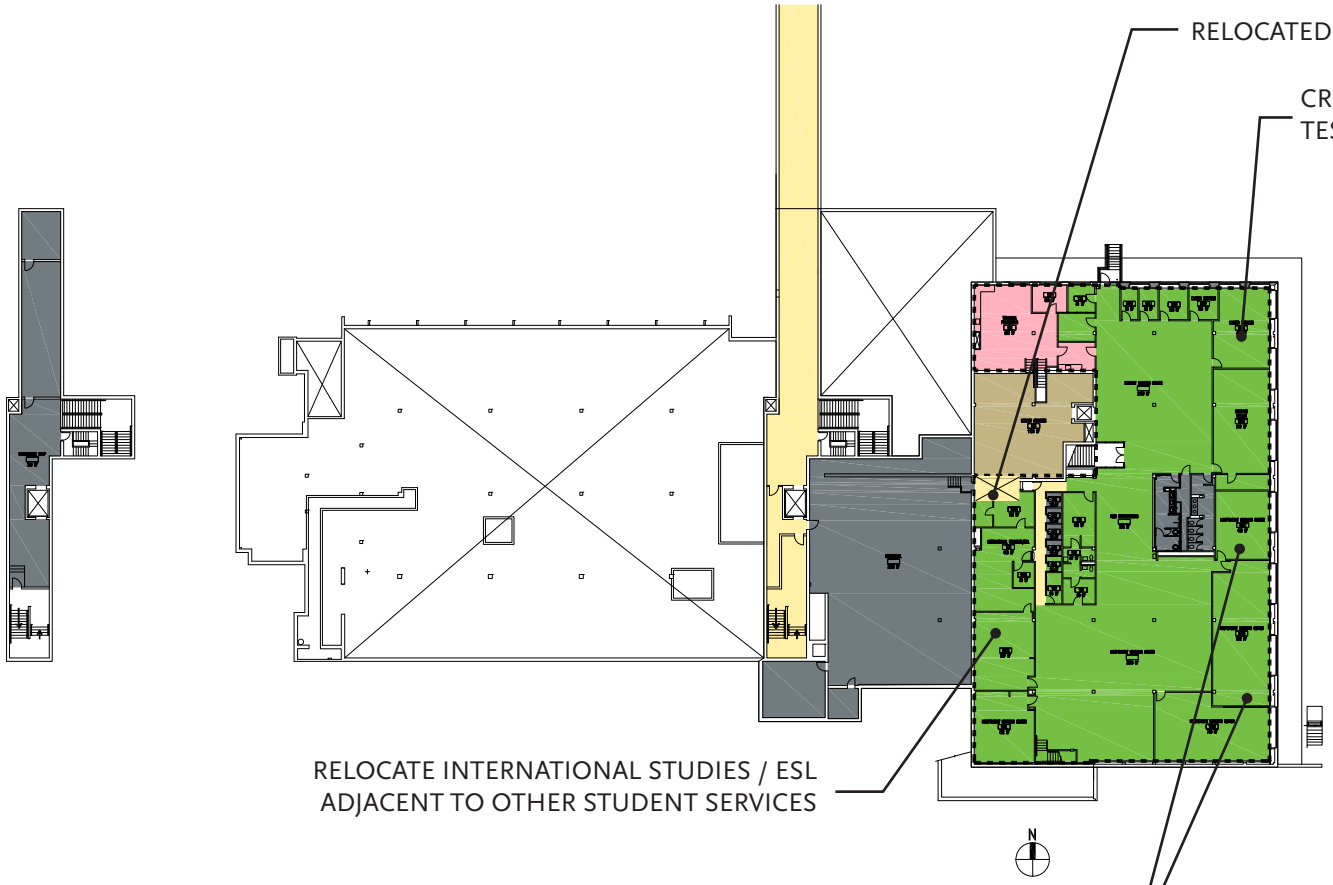
Second Floor
• Renovate / upgrade Library to provide additional open computer lab space, group study rooms, general study space, and office space – upgrade finishes and infrastructure throughout
• Relocate Marketing offices from the second floor of Building 3 to the area currently occupied by the Board Room and administrative offices so this function is adjacent to Student Services
• Relocate International Studies / ESL to the second floor of Building 1 so these functions are adjacent to other student service functions
• Create a new receiving area for the Bookstore at the west side where the existing administrative offices and Bookstore meet – provide a new exterior door
• Relocate Human Resources offices to the balcony level – relocate the Chief Financial Officer's office and other Finance offices into the vacated Human Resources offices

Third Floor
• Provide five new large classrooms within the proposed addition
• Create a new entry from grade leading to a new stair / elevator providing direct access to the administrative office, Foundation offices, and Board Room for the community-at-large
• Modify two existing classrooms to provide access to the new classrooms
• Upgrade the faculty office suite in the center of the plan
• Relocate the IT / IR offices from the balcony to the second floor of Building 3 where the old Bookstore was previously housed and where the Foundation and Marketing offices will be vacating

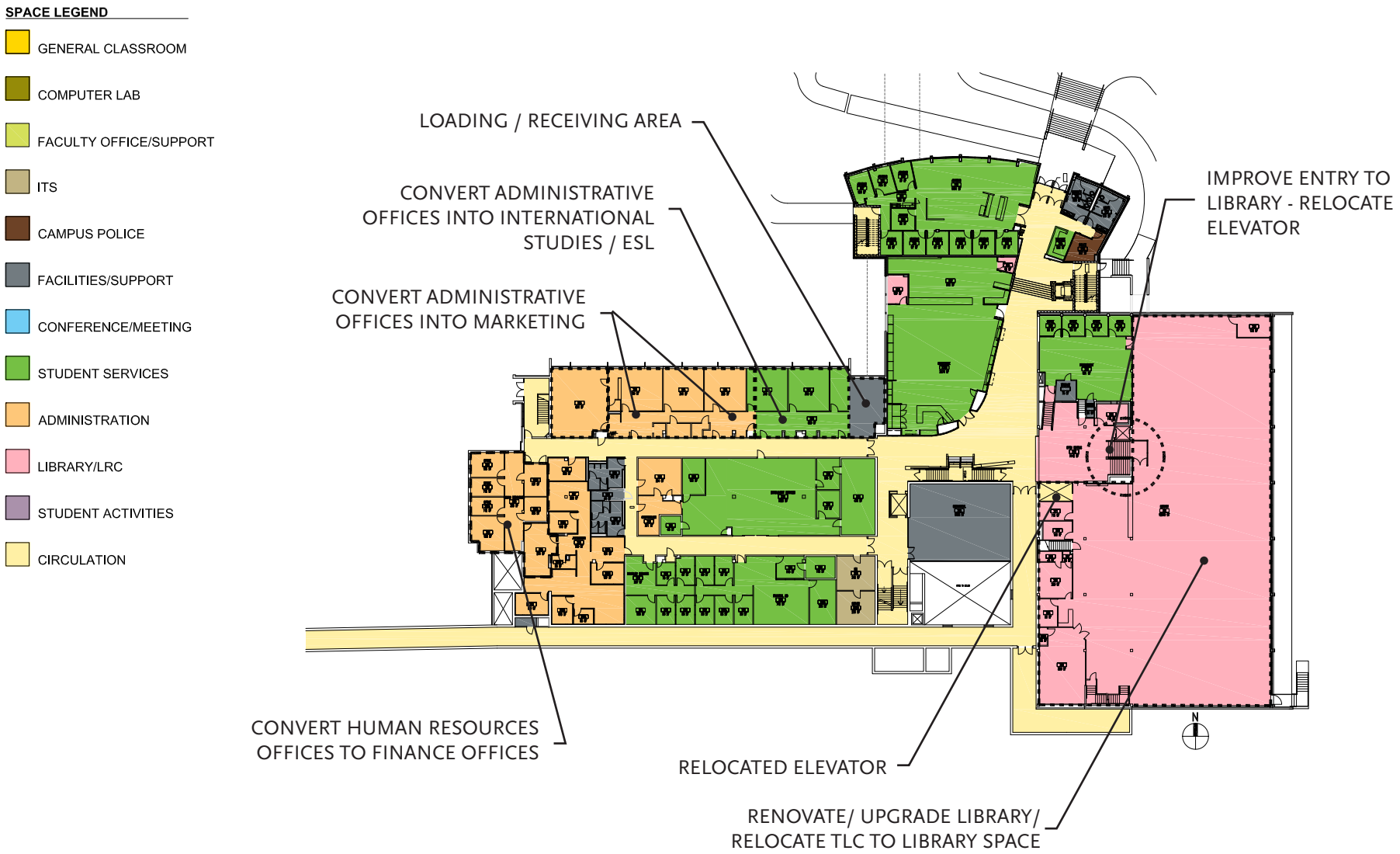
Fourth Floor
• Provide new administrative offices, Foundation offices, and Board Room large enough to comfortably accommodate community attendance
• Modify two existing classrooms to provide access to the new offices and Board Room
• Upgrade the faculty office suite in the center of the plan

SPACE LEGEND

- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- CAMPUS POLICE
- FACILITIES/SUPPORT
- CONFERENCE/MEETING
- STUDENT SERVICES
- ADMINISTRATION
- LIBRARY/LRC
- STUDENT ACTIVITIES
- CIRCULATION

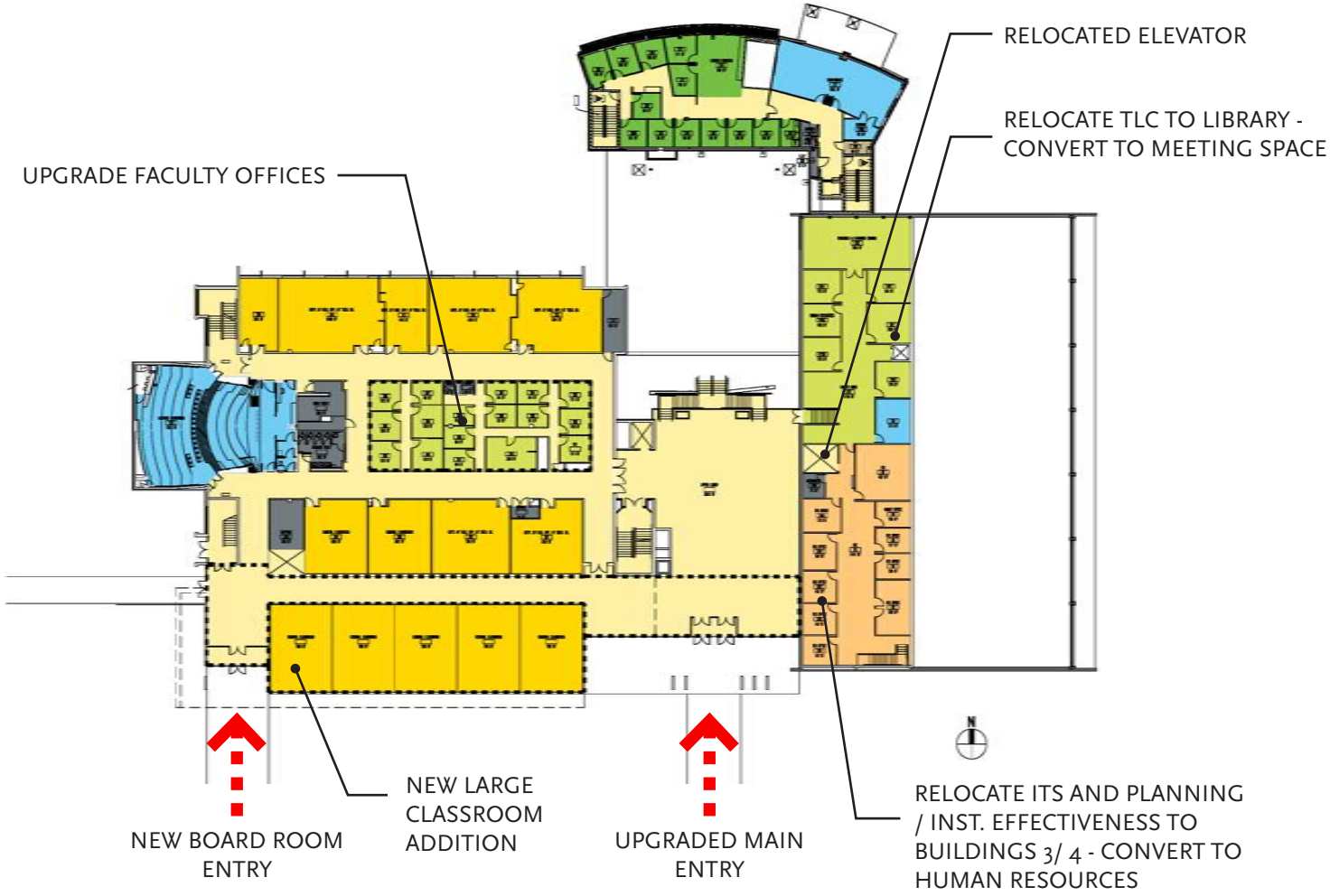


Building 1 - Second Floor Plan Proposed Renovations



SPACE LEGEND

- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- CAMPUS POLICE
- FACILITIES/SUPPORT
- CONFERENCE/MEETING
- STUDENT SERVICES
- ADMINISTRATION
- LIBRARY/LRC
- STUDENT ACTIVITIES
- CIRCULATION



Building 1 - Fourth Floor Plan Proposed Renovations

SPACE LEGEND

- GENERAL CLASSROOM
- COMPUTER LAB
- FACULTY OFFICE/SUPPORT
- ITS
- CAMPUS POLICE
- FACILITIES/SUPPORT
- CONFERENCE/MEETING
- STUDENT SERVICES
- ADMINISTRATION
- LIBRARY/LRC
- STUDENT ACTIVITIES
- CIRCULATION

Building 2

First Floor

- Relocate the IT Help Desk from the area that meanders behind the tiered lecture hall to the second floor of Building 3 where the old Bookstore was previously housed and where the Foundation and Marketing offices will be vacating. This relocation will consolidate all of the IT offices on campus in one location
- Relocate the Physics Lab and associated prep space from the first floor of Building 2 to the second floor of Building 2 to consolidate all science labs in one area on campus
- Provide new large classrooms within the vacated space on the first floor
- Upgrade the faculty office suite in the center of the plan
- Convert the small classroom at the northwest corner of the plan into student lounge space with a view toward the outdoor campus life space and the ravine

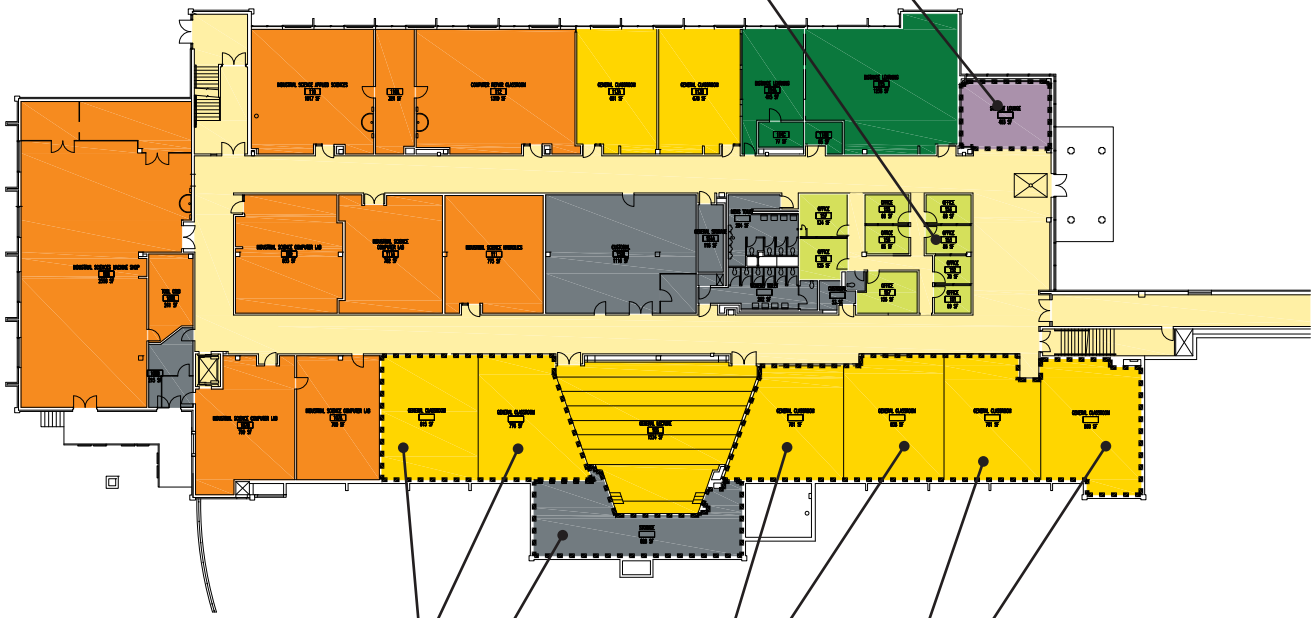
Second Floor

- Convert existing classroom space into new Physics Lab relocated from the first floor
- Upgrade all science lab space and associated prep/storage space
- Relocate Student Resource Lab from the south end of the plan to the northwest corner adjacent to the student lounge space
- Convert existing vacant space and relocated Student Resource Lab into general classroom space
- Upgrade the faculty office suite in the center of the plan
- Convert the small classroom at the northwest corner of the plan into student lounge space with a view toward the outdoor campus life space and the ravine

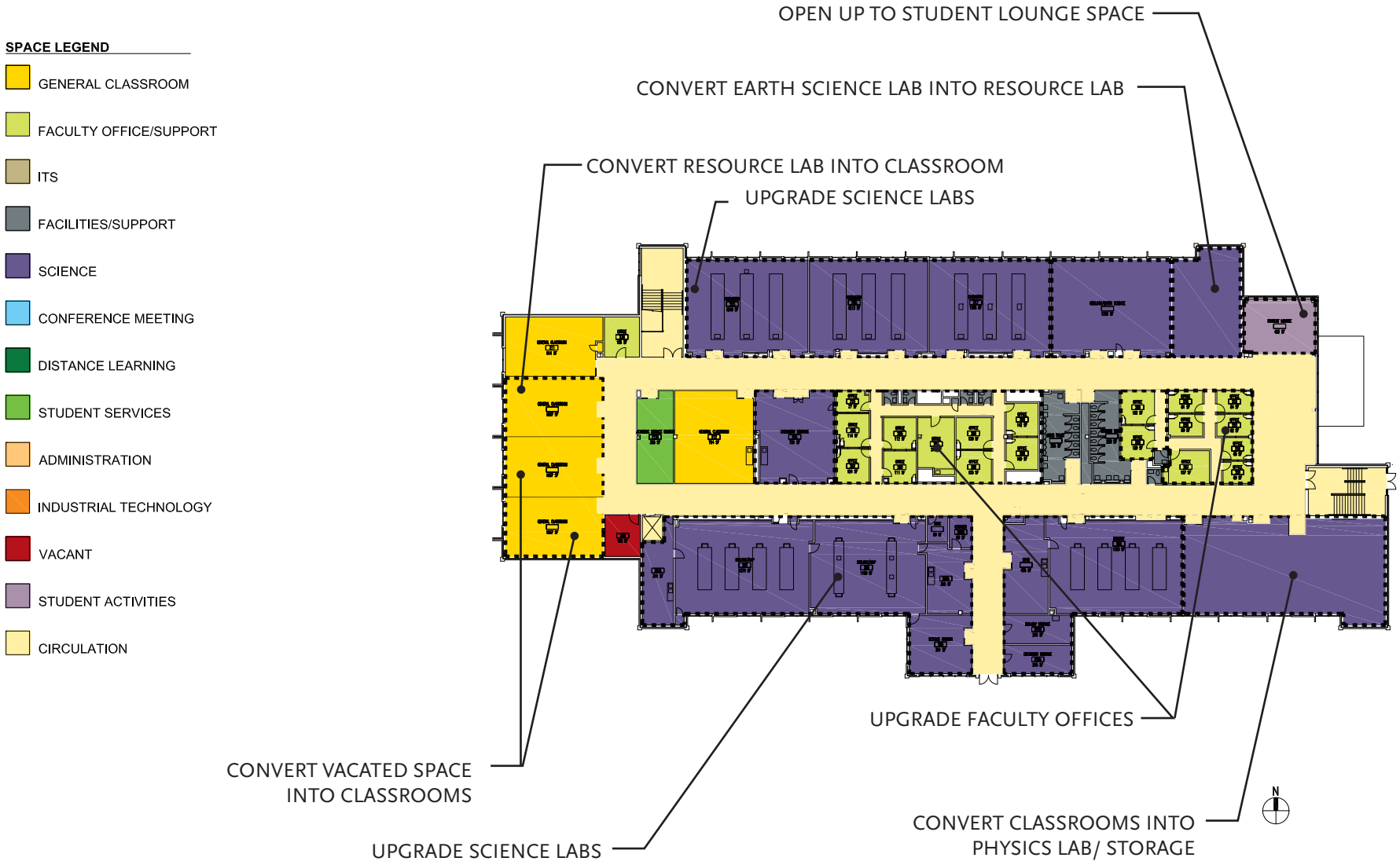
Building 2 - First Floor Plan Proposed Renovations

SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- SCIENCE
- CONFERENCE MEETING
- DISTANCE LEARNING
- STUDENT SERVICES
- ADMINISTRATION
- INDUSTRIAL TECHNOLOGY
- VACANT
- STUDENT ACTIVITIES
- CIRCULATION



Black Hawk College

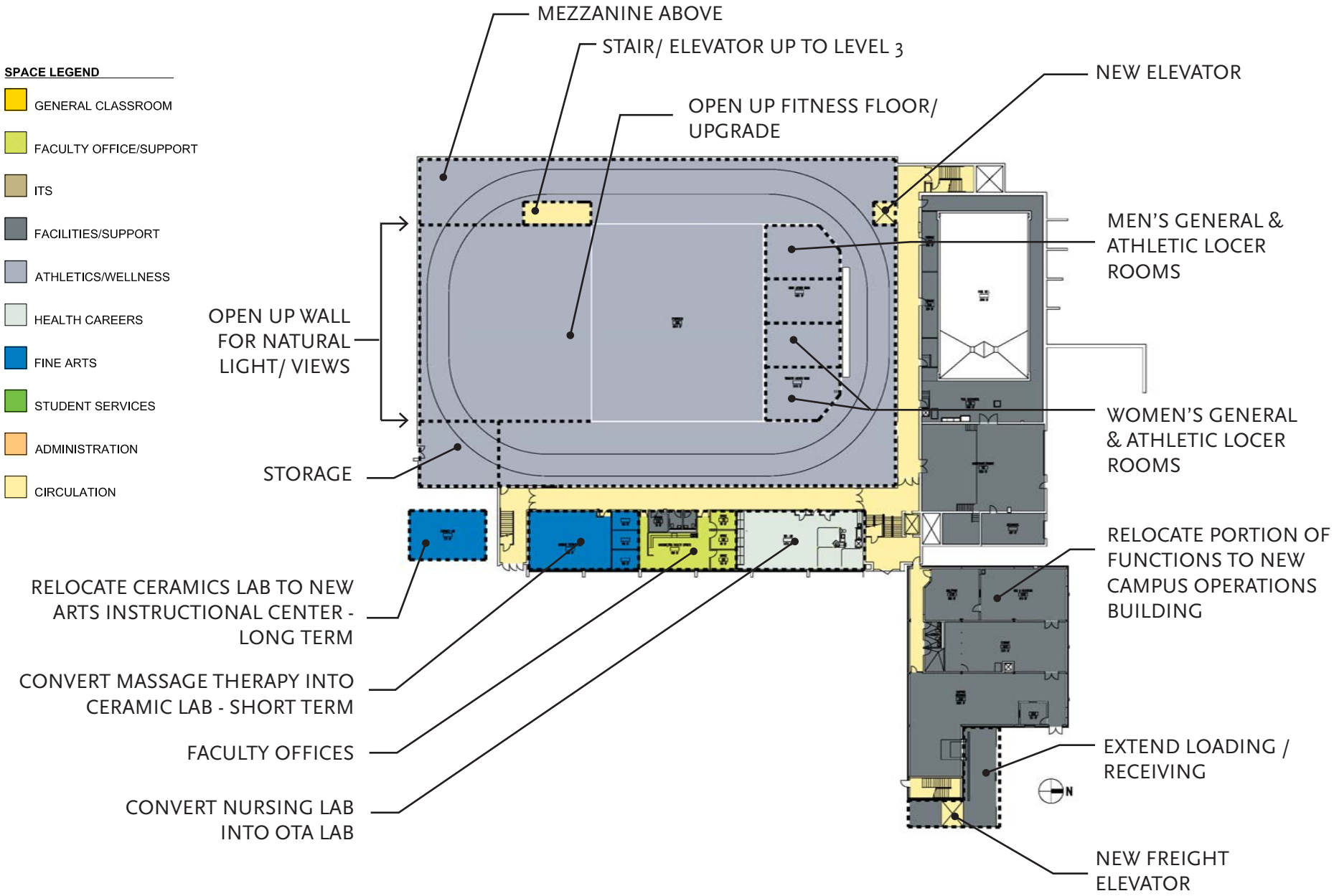

SPACE LEGEND
GENERAL CLASSROOM
FACULTY OFFICE/SUPPORT
ITS
FACILITIES/SUPPORT
SCIENCE
CONFERENCE MEETING
DISTANCE LEARNING
STUDENT SERVICES
ADMINISTRATION
INDUSTRIAL TECHNOLOGY
VACANT
STUDENT ACTIVITIES
CIRCULATION
OPEN UP TO STUDENT LOUNGE SPACE
CONVERT EARTH SCIENCE LAB INTO RESOURCE LAB
CONVERT RESOURCE LAB INTO CLASSROOM
UPGRADE SCIENCE LABS
UPGRADE FACULTY OFFICES
CONVERT VACATED SPACE INTO CLASSROOMS
UPGRADE SCIENCE LABS
CONVERT CLASSROOMS INTO PHYSICS LAB/ STORAGE
N

Building 3

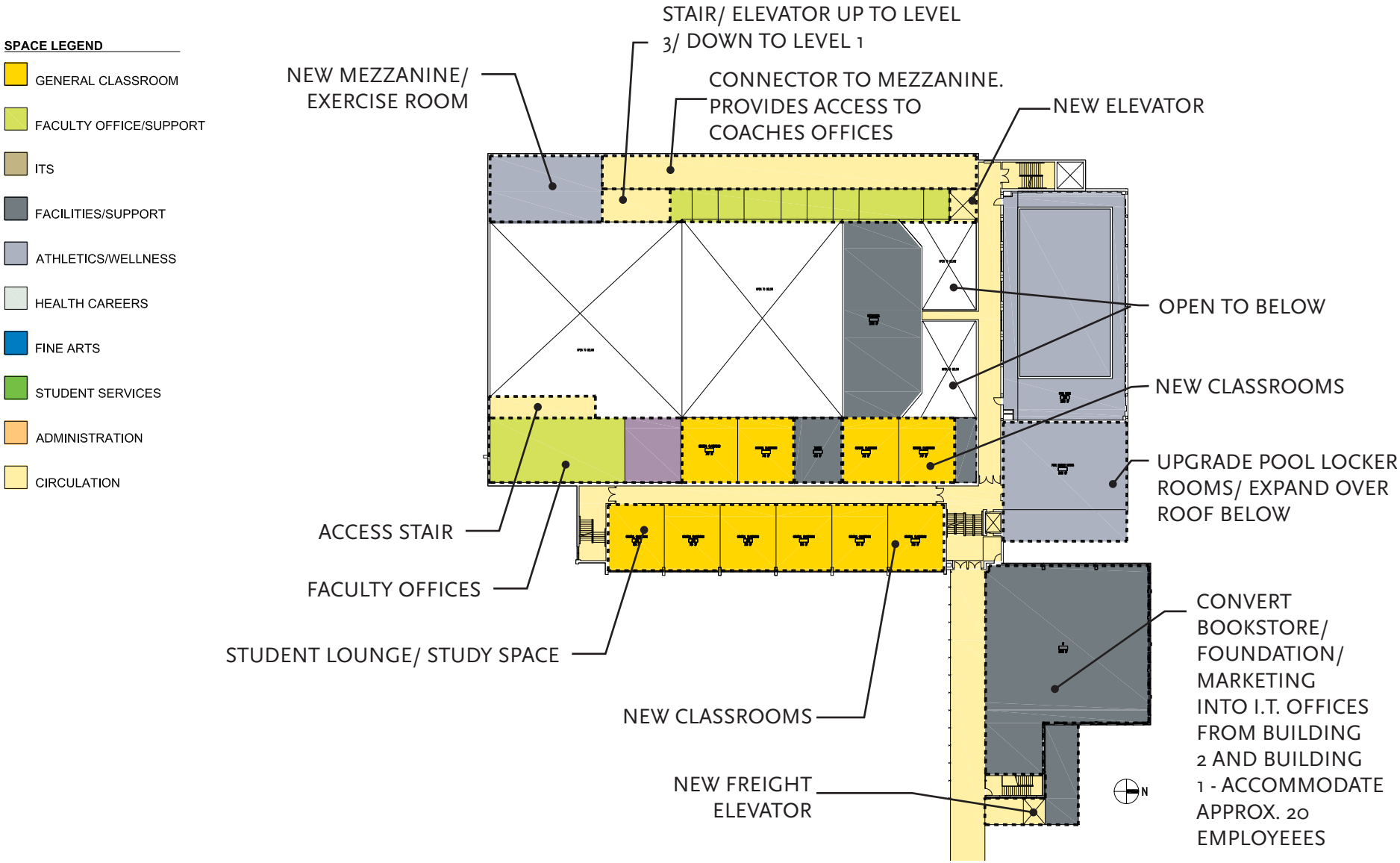
First Floor
• Remove the walls that currently surround the existing Fitness Center in order to open up this space and to make it more inviting for users
• Replace the existing south masonry wall with glazing to allow light into the Fitness Center and to allow views from the Fitness Center out to the proposed campus life space between Building 3 and the proposed Health Sciences Center
• Provide a new access stair from the Fitness Center floor
• Convert the existing oversized Women's Locker Room into a Men's General Locker Room, Men's Athletic Locker Room, Women's General Locker Room, and Women's Athletic Locker Room
• Upgrade running track area and batting cage area
• Relocate the Ceramics Lab from the temporary structure to the proposed new Arts Instructional Center
• Expand the Receiving Area in order to accommodate a new freight elevator leading directly up to the connecting link, providing access to the Student Center and the rest of the campus

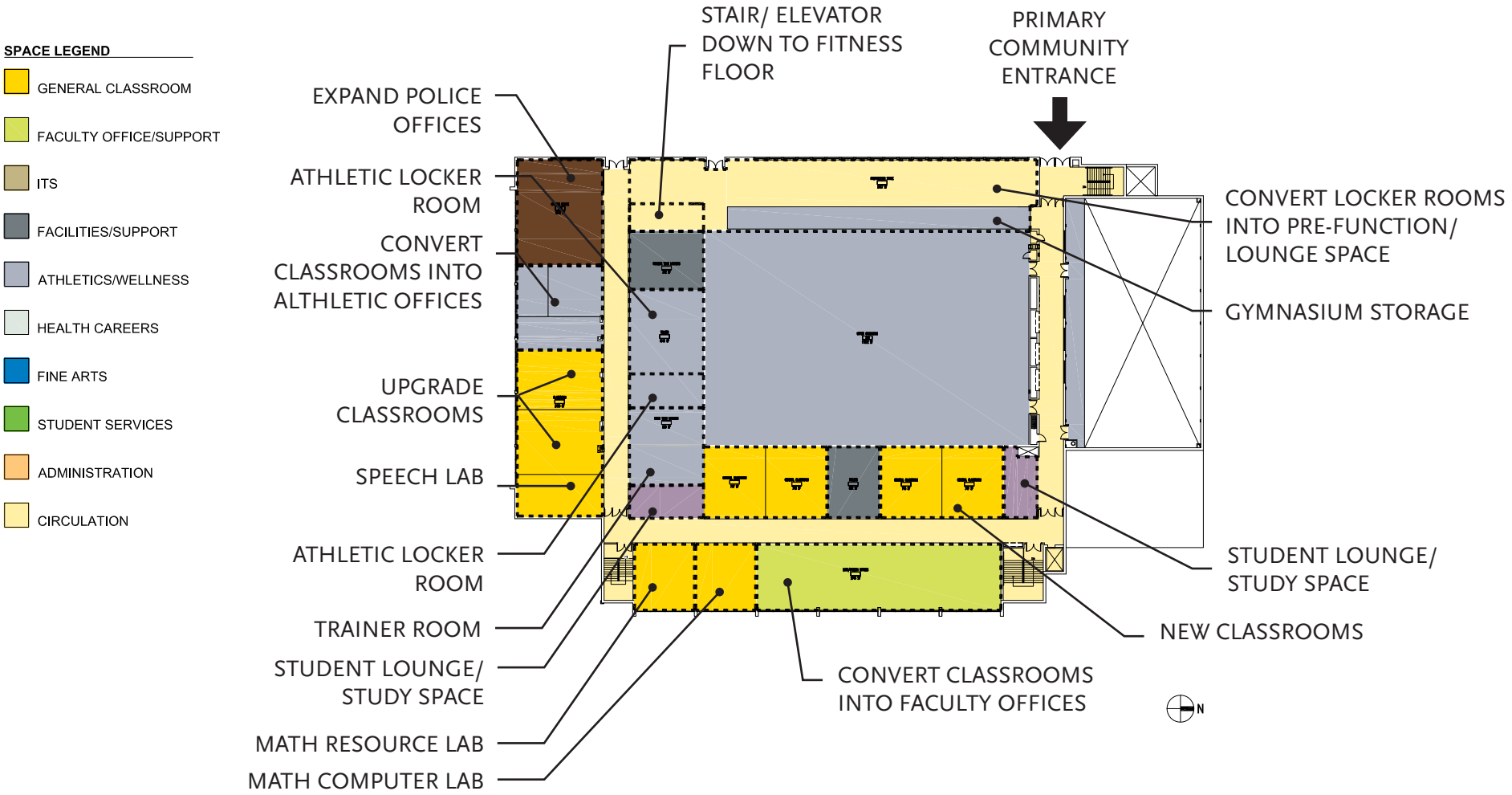
Second Floor
• Infill the east side of the two-story volume with large classroom space, student lounge space, faculty offices, and toilet rooms
• Renovate the small classrooms along the east side of the building into large classroom space
• Infill the west side of the two-story volume into a Dance/ Exercise Room and office space/meeting space to support fitness and athletics
• Renovate/expand the existing pool locker rooms – provide family locker room space

Third Floor
• Remove the existing Men's Athletic Locker Rooms and Athletic Offices for the west side of the building and open up this space as Pre-function/Lounge space directly outside of the Gymnasium
• Open up the west exterior wall to more glazing and upgrade entrances to the building in order to make this facility more inviting to the community-at-large
• Provide storage for athletic equipment between the Gymnasium and the Pre-function space
• Expand Police Offices at the southwest corner of the building
• Provide new Athletic Director's Office, Reception Area and Conference space adjacent to the Police Offices
• Provide Speech Classrooms and Speech Lab adjacent to the Athletic Director's Office
• Provide Men' and Women's Athletic Locker Rooms and Training Room directly south of the Gymnasium
• Relocate Faculty Offices from the area directly east of the Gymnasium to the area across the corridor
• Provide large Classroom space directly east of the Gymnasium and adjacent to the relocated Faculty Offices


SPACE LEGEND
GENERAL CLASSROOM
FACULTY OFFICE/SUPPORT
ITS
FACILITIES/SUPPORT
ATHLETICS/WELLNESS
HEALTH CAREERS
FINE ARTS
STUDENT SERVICES
ADMINISTRATION
CIRCULATION
MEZZANINE ABOVE
STAIR/ ELEVATOR UP TO LEVEL 3
OPEN UP FITNESS FLOOR/ UPGRADE
NEW ELEVATOR
MEN'S GENERAL & ATHLETIC LOCER ROOMS
OPEN UP WALL FOR NATURAL LIGHT/ VIEWS
WOMEN'S GENERAL & ATHLETIC LOCER ROOMS
STORAGE
RELOCATE PORTION OF FUNCTIONS TO NEW CAMPUS OPERATIONS BUILDING
RELOCATE CERAMICS LAB TO NEW ARTS INSTRUCTIONAL CENTER - LONG TERM
CONVERT MASSAGE THERAPY INTO CERAMIC LAB - SHORT TERM
FACULTY OFFICES
EXTEND LOADING / RECEIVING
CONVERT NURSING LAB INTO OTA LAB
N
NEW FREIGHT ELEVATOR

Building 3 - Second Floor Plan Proposed Renovations




SPACE LEGEND
GENERAL CLASSROOM
FACULTY OFFICE/SUPPORT
ITS
FACILITIES/SUPPORT
ATHLETICS/WELLNESS
HEALTH CAREERS
FINE ARTS
STUDENT SERVICES
ADMINISTRATION
CIRCULATION
STAIR/ ELEVATOR DOWN TO FITNESS FLOOR
PRIMARY COMMUNITY ENTRANCE
EXPAND POLICE OFFICES
ATHLETIC LOCKER ROOM
CONVERT CLASSROOMS INTO ALTHLETIC OFFICES
UPGRADE CLASSROOMS
SPEECH LAB
ATHLETIC LOCKER ROOM
TRAINER ROOM
STUDENT LOUNGE/ STUDY SPACE
MATH RESOURCE LAB
MATH COMPUTER LAB
CONVERT LOCKER ROOMS INTO PRE-FUNCTION/ LOUNGE SPACE
GYMNASIUM STORAGE
STUDENT LOUNGE/ STUDY SPACE
NEW CLASSROOMS
CONVERT CLASSROOMS INTO FACULTY OFFICES
N

Building 4

o Relocate Art and Music spaces into the proposed new Arts Instructional Center and convert Building 4 into a new Student Center consisting of the following:

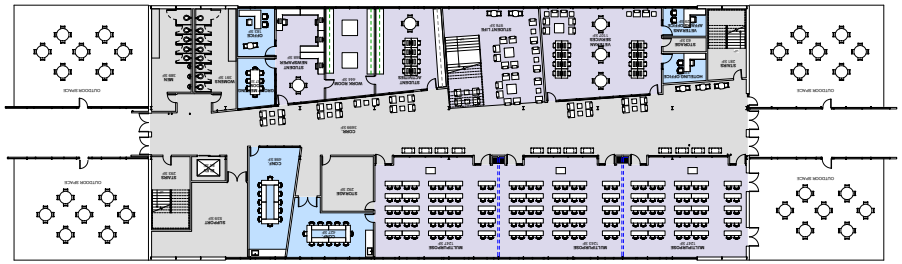
- Student, Faculty, and Staff Dining
- Foodservice Prep/Servery to accommodate a variety of options
- Student Lounge acoustically separated from adjacent spaces
- Game Room
- Clubs and Organizations Offices and Work Room
- College Newspaper Offices
- Veteran's Center
- Flexible Multi-Purpose/Conference Rooms
- Upgraded Outdoor Patio Space accessible from the Student Center

o In addition to providing the program space as indicated above, the passenger elevator and stair located at the east end of the building will be extended down to grade in order to accommodate pedestrian traffic, specifically student traffic from the Student Housing development.

o Lastly, it was discussed that it would be beneficial to open up the first floor to the second floor via a monumental stair in order to better connect the functions on both floors.

SPACE LEGEND

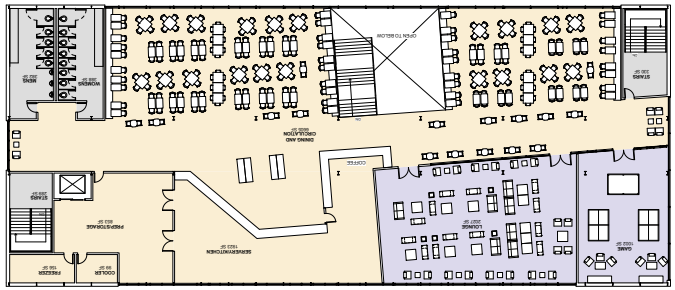
- GENERAL CLASSROOM
- FACULTY OFFICES
- FACILITIES/SUPPORT
- FINE ARTS - NEW
- CONFERENCE/MEETING
- VACANT
- STUDENT ACTIVITIES
- CIRCULATION



Building 4 - Second Floor Plan Proposed Renovations

SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICES
- FACILITIES/SUPPORT
- FINE ARTS - NEW
- CONFERENCE/MEETING
- VACANT
- STUDENT ACTIVITIES
- CIRCULATION



Campus Image

As indicated in the Planning Objectives, it is the college's desire to enhance the overall campus image when opportunities present themselves. As indicated throughout this document, not only are new structures and major renovations aligned with programmatic needs and with overall campus efficiencies in mind, but the enhancement of the campus image of the Quad Cities Campus was also taken into consideration. Examples of this include the following:

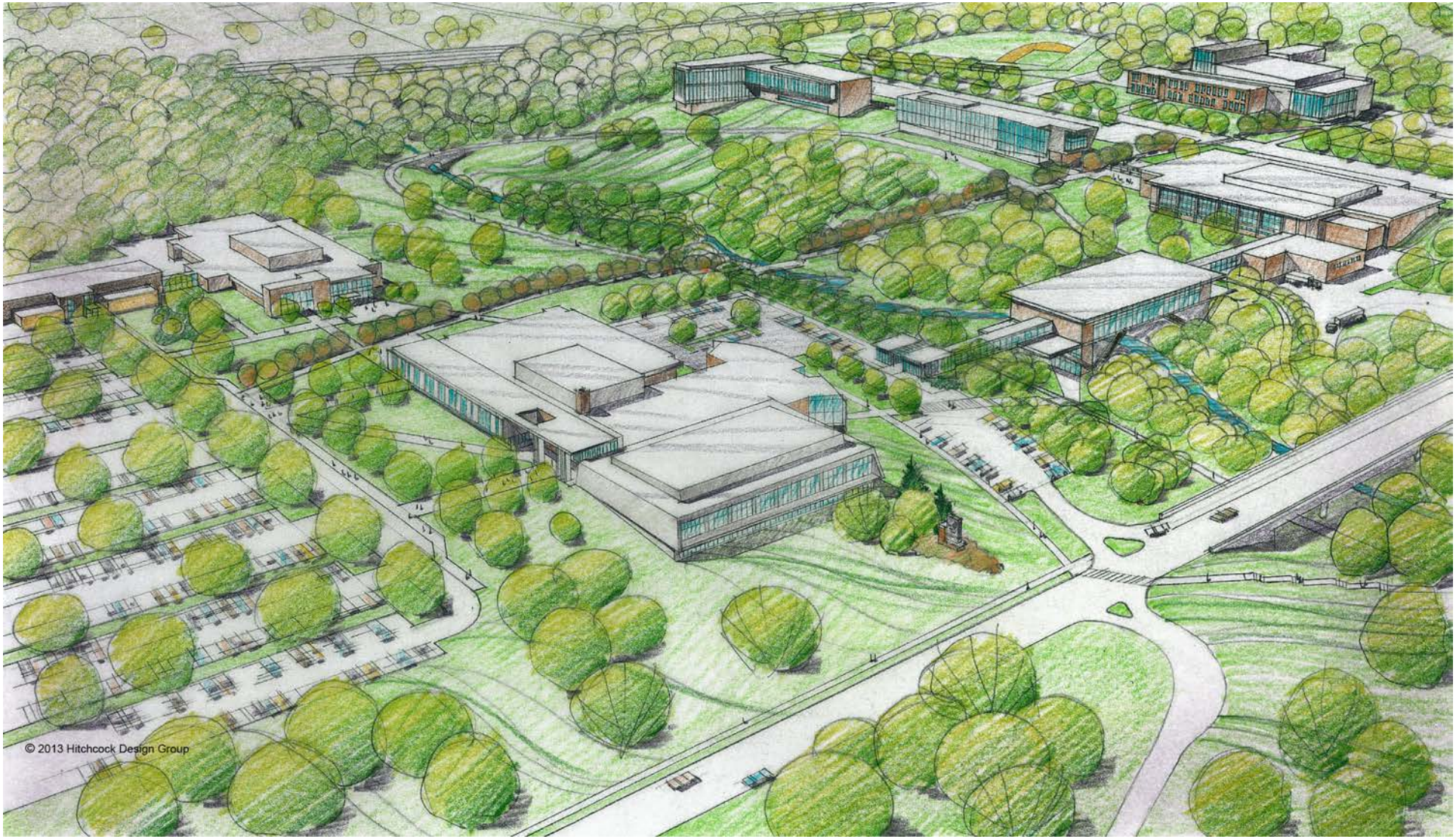
• The addition at the east edge of Building 1 provides for a new entry image for the many students that park in Parking Lot 1 on a daily basis as well as the community-at-large coming to the proposed new Board Room an Foundation Offices

• The proposed new Health Sciences Center at the west side of the campus will have the opportunity to begin to create a new, more contemporary image along the west side of the ravine

• Similar to the proposed new Health Sciences Center, the west façade of Building 3 is proposed to open up to a more glassy, transparent Pre-function space outside of the Gymnasium as well as upgrading the entrances to the building. Together with the new image of the HSC, the west side of the campus will have the opportunity to take on a new, fresher aesthetic

• As discussed previously, the proposed new Arts Instructional Center will serve not only as a teaching and learning facility for the campus, but it will also be a community-focused facility. As such, it will face 34th Avenue as well as the campus and is envisioned to be a beacon for the campus and the community. As a result, this proposed new facility will strengthen the overall image of the Quad Cities Campus as well as the college as a whole.

Quad Cities Campus - Campus Image



Natural Areas / Landscaping

The stream that bisects the campus in a north/south direction is really the defining natural element of the campus. Beyond its obvious role in storm water management, it provides untapped potential as a visual amenity. As described earlier, the Master Plan envisions selectively opening up view corridors through the woods leading from the campus buildings down to the stream. This should be done carefully, and in the following order:

- Invasive/non-native trees (e.g. buckthorn, Norway maple)
- Weak-wooded trees (e.g. willow, silver maple)
- Dead or declining trees (some of these should be left, if felled, for wildlife habitat)
- Second-tier trees (e.g. cottonwood)
- First-tier trees (e.g. oak)

Water quality should be tested, if it hasn't been already, in order to establish a baseline index. Then, future monitoring can document trends that will help understand the impact that various activities have on water quality. This monitoring can be done as the field laboratory part of a class, thereby producing real-world experiences for students while benefitting the maintenance of the campus.

As previously mentioned, the Quad Cities Campus is fortunate to have several mature stands of oak trees along its hillsides; these are significant assets and are valued by this Master Plan. They give character to the campus, stabilize the hillsides, and provide important wildlife habitat. These areas should be maintained, with special emphasis placed on clearing invasive undergrowth plants so that the seedlings of native plants can continue to grow and thrive. There are several methods to accomplish this. These include grazing by livestock (sheep, goats), controlled burning, and cutting/pulling/chemicals. One interesting idea that may gain some traction with the College – and that would supplement the current landscape maintenance approach – is to experiment with all three methods as a series of experimental trials with control and variable plots. These tests could provide academic opportunities to students and staff while simultaneously improving the local ecosystems. An added benefit to the College is that much of the maintenance manpower would come from faculty and staff. However, arrangements would need to be made for continued supervision and involvement over the summer months. As envisioned, these test plots would be initially located in the southeast corner of the campus but could expand to other areas as opportunities arose.

Within the Campus Image Landscape, smaller landscape areas associated with specific buildings, such as gardens or courtyards, need to be designed with maintenance in mind. Irrigation, the number and location of hose bibs, the mature size and pruning needs of plants, all need to be understood as being important parts of the campus landscape. Similarly, the construction budgets for landscape areas need to be adequate to allow improvements to the campus landscape over time. Native, drought-tolerant plants should be emphasized when constructing new planting areas.

Maintenance of all of the campus landscape areas is challenging due to the small numbers of available FTTE staff. This means that there is little capacity to expand the types of landscapes beyond the current "mow/snow-blow-go" model. In the years ahead, best management practices (BMPs) such as green roofs, bioswales, rain gardens, etc., will likely become a more important part of the designs for new buildings and their concomitant site designs. The College will need to train and likely expand its maintenance staff to derive maximum value from these landscape types and to ensure that they become long-term enhancements to the campus rather than once-trendy eyesores. To the extent possible, maintenance should be accomplished, at least in part, be partnering with professors and students. Watering, weeding, pruning, splitting perennials, mulching beds, and a host of other gardening activities can be undertaken by the larger campus community. It should also be noted that composting food scraps and yard waste (e.g. grass clippings, leaves) should become an important part of regular landscape maintenance to reduce reliance on chemicals and to improve plant and soil health

Campus Infrastructure

Site / Civil

Student Housing
The student housing development is proposed along the north side of the parking lot 4 access drive off of 34th Avenue. The proposed housing facility will set southwest of student housing constructed in the summer of 2013. A 10" PVC water main was run along the north side of the access drive to the 2013 student housing facility. Two tees were placed and capped along the access drive run of the water main for a future water service and also hydrants adjacent to the housing facility. The City of Moline / East Moline sanitary interceptor sewer runs along the west side of the draw just to the east of the proposed facility. A new sanitary lateral will need to be run and tied into an existing manhole along the City interceptor sewer. Gas and electric is not adjacent to the site and will need to be coordinated with MidAmerican Energy early on in the project. The site is pretty tight and finding room for storm water detention will be difficult without underground detention.

Health Sciences Center
The Health Sciences Center is being proposed along the sloped ground south of Building 3. Water pressure testing was performed by the City of Moline at the hydrant southwest of building 3. It appears the pressure and flows are sufficient to support the Health Sciences Center. The water service will connect to the existing 6" diameter water main and will run to the north side of the Health Sciences Center. Sanitary sewer was brought up to the southeast corner of building 3 during the construction of that facility. The sanitary sewer will be extended from the existing sanitary sewer manhole southeast of building 3. This will both serve the Health Science Center and be a future connection point for the new Arts Center to the West. Gas and electric services will be extending from the southeast corner of building 3 to the north side of the proposed Health Sciences Center. Storm sewer detention will be provided southeast of the Health Sciences Center East on the interior of the roadway loop. Storm sewer will be routed around the proposed building picking up the existing storm sewer from parking lot 2 and also picking up the new roof runoff for the Health Sciences Center. A bioswale is being proposed along the west side of the Health Sciences Center. The bioswale outlets to the south side of the Health Sciences Center via storm sewer, crosses Pyesa North, and continues southeast to the new detention basin. The excess excavations for the Health Science project shall be transported, placed, and compacted for the new softball field location. The new detention basin can be enlarged for the potential future building being shown south of the Health Sciences Center.

Art Instructional Center
The proposed Arts Instructional Center is to be located Southwest of Building 3 on the south side of the existing track area, south of 34th Avenue. The project will require reconstruction or the addition of a new roadway west of building 3, allowing access to the new Arts Center. A new parking lot will be constructed along the north side of the Arts Center to provide the parking support for the project. Pedestrian access accommodations will be accounted for to allow students, staff and visitors to access the new facility from the existing campus sidewalk system. Sanitary sewer will need to be extended to the new building from the north side of the Health Science Center west across parking lot 2, to the new facility. A new (approximate) 12" diameter water main will need to be extended from the south side of 34th Avenue Right of Way to the new Arts Center to accommodate the required flows and pressures. A future water service and sanitary lateral should also be considered for the new facilities building to the southwest of the Arts Center at the time of the new utility installations.

Storm water detention will be required for the Arts Center and parking lot. An existing storm sewer is located south of the baseball field. Depending upon space and future uses, storm water detention may be handled with a detention pond on the west or southwest corner of the baseball field with either a surface storm pipe outlet or tie into the existing storm sewer for the recently removed tennis courts. A new gas service will most likely need to be run from 34th Avenue. Truck and delivery access will need to be evaluated during the design verify turning movements and pavement thicknesses for the delivery vehicles.

Convert Building 4 to Student Center
Building 4 improvements will make it more accessible to pedestrian traffic and could include, but would not be limited to: sidewalks, landscaping, sanitary sewer service upgrades, storm sewer, and water service configuration. Existing utility services off of 34th Avenue would serve these upgrades.

Relocate Softball Field and Parking Lot
Remove Existing Tennis Courts – The first phase of the priority item is to remove the existing tennis courts along the south side of the campus and provide new softball amenities. The existing tennis courts have been removed to make room for the new softball field. The excess excavations from the Student Housing project have been stockpiled at this location. A grading plan is being proposed to spread and compact the excess excavations to begin shaping the softball field and to prepare the site to accept the excess excavations from the Health Sciences project. Project items include; a new softball field, field lighting, concrete pad for bleacher construction, electrical service with a service feed near the existing baseball field, and gas service fed from Building 3.

Remove Existing Softball Field – The second phase of this priority item involves demolishing the existing softball field and capping existing electrical service east of Building 2. In the place of the existing softball field, a concrete parking lot consisting with the inclusion of porous pavement is proposed to provide additional parking capacity. Ingress and egress access will be provided via additional roadway improvements. Sanitary and water service will be fed from appropriate mains lines along 70th Street to the east. Additional storm water detention will also be required.

Workforce Development Center
The Workforce Development Center is to be constructed near the existing softball field, east of Building 2. Pedestrian access will require the addition of sidewalks and entrance areas. Additional services for sanitary sewer and water will be supplied from mains along 70th Street to the east. Electrical and gas service is to be fed from Building 2. Storm water improvements will be needed to account for increases in impervious area and will be directed to detention constructed as part of the parking lot expansion related to removal of the existing softball field.

Convert Vehicular Circulation to Pedestrian Circulation
Conversion of the vehicular circulation road to a pedestrian circulation path will require significant pavement removal. This includes the existing vehicular circulation road, the loading dock north of Building 2, and the pavement connecting Buildings 1 and 2. Additional parking is to be added to the west of Building 1. A pedestrian crossing will connect Buildings 1 and 2. Reconfiguring of the receiving area north of Building 3 will add additional paving as well. A new entry and bridge will connect the east and west sides of the campus between Building 1 and 4. Additional stormwater sewerage will direct stormwater runoff to the proposed retention basin at the end of the existing vehicular circulation road.

Administration Addition to Building 1
The administrative addition to Building 1 will require additional sidewalk and entrances for pedestrian access. Existing water and sanitary lines servicing Buildng1 would need to be relocated as a result of this addition. Additional stormwater improvements to convey runoff from the additional impervious surfaces to regionally located detention will also be required. Gas and electrical service would be fed to the addition from existing locations to the east of the addition.

Renovate Building 3 on West Side
Additional sidewalks and entrances will be needed to allow appropriate pedestrian access as a result of this renovation.

New Facilities and Storage Building
The location of the new facilities storage building will require land acquisition for its proposed location. New parking lot and pavement will be required for lot ingress and egress. Sanitary, water, electrical, and gas service will be fed from the east, either from the existing parking area or the new Arts Instructional Building when available. Storm water will convey runoff to regionally located detention.
Buildings

Mechanical
The original Quad Cities Campus buildings are served from the original heating and cooling plants. The existing heating and cooling plants do not appear have sufficient capacity for connection of future buildings. Additionally, the piping sizes and infrastructure do not appear to have capacity to extend the systems if the chillers and/or boilers were increased in size. Depending on future building location and size, the capacity of the existing campus infrastructure would to be evaluated to determine available capacity.

Consistent with the recently constructed Sustainable Technologies Building and the proposed Health Sciences Center, KJWW recommends all proposed new buildings follow one of two approaches:

1. Stand-alone building systems
2. A new central heating and cooling plant located in a future building, sized for future expansion / connection to additional buildings.

Electrical Service and Distribution
The existing utility services are adequate for the current campus and are expandable at the medium voltage level. With each new building the utility company needs to be consulted to determine if any changes are needed at the primary level, and to also determine where the loop needs to be left open. It is recommended to continue with extension of the medium voltage loop to future buildings, similar to what is being planned for the new Health Sciences Center.

It is also recommended to plan for an interior location for the medium voltage gear, again similar to the new Health Sciences Center, to help control the environment and extend the life of the equipment. Each new building should also plan for an outdoor pad mounted transformer.

The existing distribution systems within each existing building are adequate for renovation needs. It is recommended that panels be added, when needed, in dedicated electrical closets and not to share space with other program functions.

Emergency Power
The Quad Cities Campus has a shortage of emergency power. Building 1 and building 2 are adequately supported. Building 3 and Building 4 are in need of a new generator. Provisions should be made for all

future buildings to either have a standalone generator accounted for in the budget, or to share with an adjacent building if the capacity is available. It is not recommended to extend emergency power great distances, due to the voltage drop at 480 volts. Currently the new Health Sciences Center design does not include a new generator, with the thought that the generator at building 3 will be replaced and sized large enough to accommodate building 3, building 4, and the new building. This separate generator project is recommended to be completed prior to the completion of the new Health Sciences Center.

Fire Alarm and Mass Notification
The existing fire alarm and mass notification system should be extended to all new buildings to keep the system consistent. The current EST system can be extended without limitations, as the only required connectivity between buildings is fiber.

Technology
A redundant pathway to support redundant service provider connectivity should be considered.

As new buildings get renovated multimode fibers within the building and between telecommunications rooms should be upgraded to 50 micron to support 10 gig-a-bit bandwidth.

New category 6 cables shall be installed in lieu of category 5 or 5e as buildings are scheduled for renovation.

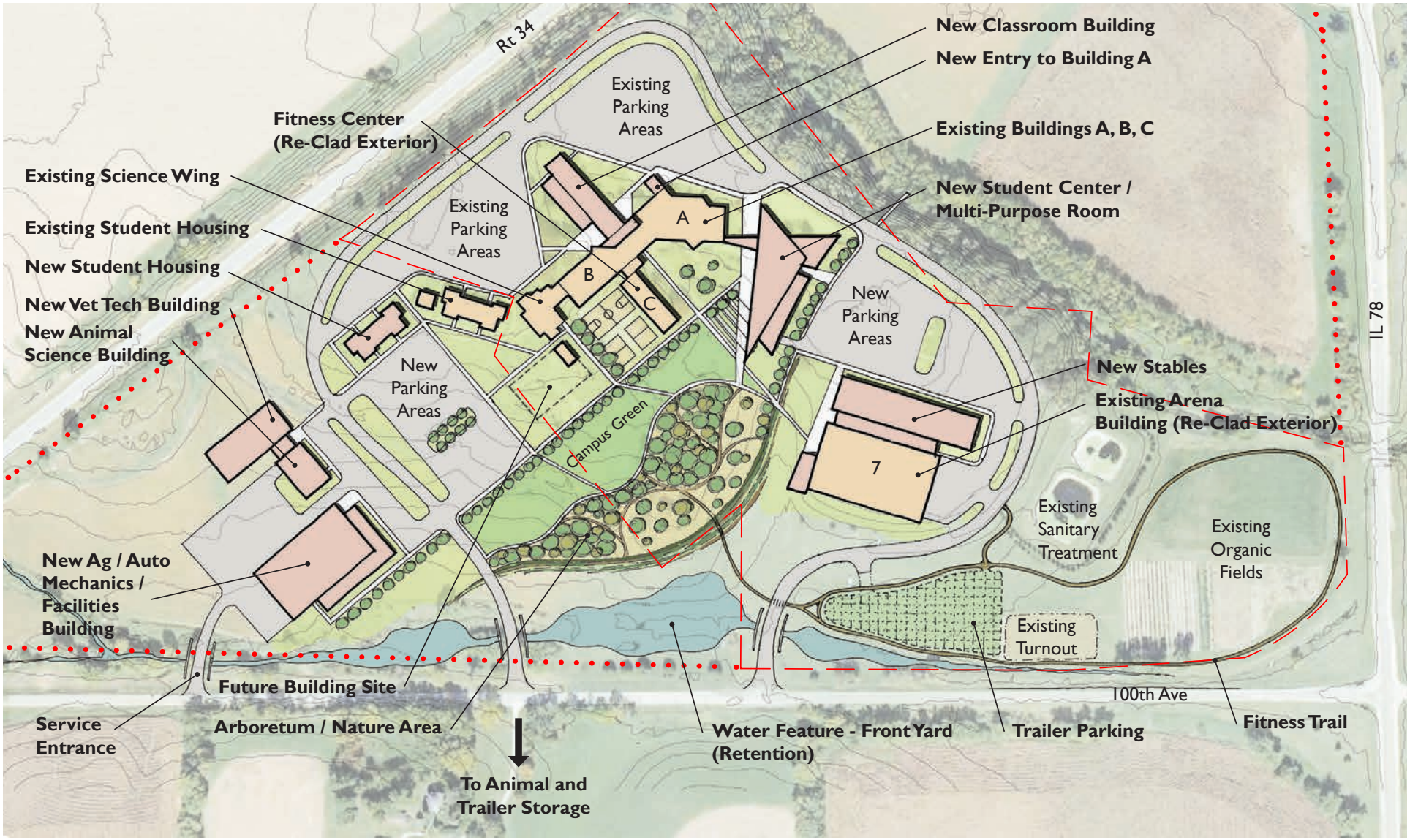
A campus wide security assessment is recommended. This assessment would review existing and future emergency phone locations, cameras, and card reader positions. The assessment should include recommendations of systems upgrades, device locations and potential areas of security threats.

Overall Campus Organization

The existing campus footprint at the East Campus is unique in that it is currently bound on the east and west by property owned by the East Campus Foundation. Additionally, there is property located south of 100th Avenue that can be made available to the college if desired. Based on the availability of this additional land surrounding the campus, there was significant flexibility available to the planning team in addressing the Planning Objectives for the East Campus.

Similar to the natural divide created by 34th Avenue at the Quad Cities Campus, 100th Avenue at the East Campus creates a natural divide between the north portion of the campus and potential land use to the south. As a result, it is desirable to limit student traffic between the two sides of campus for both safety and convenience reasons. Subsequently, it was decided that the area south of 100th Avenue will be used for non-academic program and will generally be dedicated to long-term student trailer storage (approximately 20 trailers), overflow parking for major events on campus, and as a large animal holding area associated with the Vet Tech Center / Animal Science Center (approximately 40 to 50 animals).

The area north of 100th Avenue will house the campus core and is generally organized in a ring road configuration with all facilities and associated parking located within the footprint of the ring road with the exception of the proposed new Vet Tech Center, Animal Science Center, Ag/Auto Mechanics Building, and Facilities Building. These facilities have either noise issues access issues, or outdoor storage issues that would be better suited slightly away from the campus core within the ring road. It is also important to note that there is an existing arboretum located in the center of the campus, and this area has been developed further to create a strong organizing element and focal point for the campus.


Rt 34
New Classroom Building
New Entry to Building A
Existing Buildings A, B, C
New Student Center / Multi-Purpose Room
Existing Parking Areas
Fitness Center (Re-Clad Exterior)
Existing Science Wing
Existing Student Housing
New Student Housing
New Vet Tech Building
New Animal Science Building
A
B
C
New Parking Areas
Campus Green
7
New Stables
Existing Arena Building (Re-Clad Exterior)
IL 78
Existing Sanitary Treatment
Existing Organic Fields
Existing Turnout
New Ag / Auto Mechanics / Facilities Building
Future Building Site
Arboretum / Nature Area
Service Entrance
To Animal and Trailer Storage
Water Feature - Front Yard (Retention)
Trailer Parking
100th Ave
Fitness Trail

Vehicular Circulation & Parking

One of the major concerns expressed during the planning process for the East Campus was the fact that there is only one means of entrance and egress to and from the campus off of 100th Avenue. This was expressed as a concern for safety reasons as well as overall efficiency related to vehicles moving on and off campus during peak times. Additionally, the fact that the primary entrance drive into campus actually flows through the heart of campus, intersecting with pedestrian circulation under the bridge that connects Buildings A and B was cited as a major area of concern. Lastly, because the existing entry drive forces vehicles to enter the campus without any clear view of a "front door" or major parking areas, the entry experience is somewhat disorienting, especially for first-time visitors to campus. As a result of these issues, several options were presented to the Advisory Task Force and Steering Committee ultimately resulting in a new "ring road" around the campus.

The proposed ring road maintains the existing entrance off of 100th Avenue and eases eastward around the Arena and the other existing structures on campus ultimately exiting back onto 100th Avenue.

In order for this new vehicular circulation route to be implemented, several adjustments to existing structures on campus as well as to the existing vehicular circulation system are required:

• Upon entry to the campus off of 100th Avenue, the existing main entry drive continues to the north and also tees off to the east around the existing stables. Since the drive heading north is proposed to be removed entirely, the transition from the main drive to the drive to the east will be eased to allow vehicles to naturally continue in this direction.

• Short-term trailer parking during events in the Arena currently occurs in the grassy area between 100th Avenue and the Arena. After evaluating other potential locations for this to occur on campus, it was concluded that this location works well due to its proximity to the Arena as well as the fact that it supports the animals that stage adjacent to the trailers. In order to prevent this area from being destroyed over time due to continuous vehicular traffic on it, the master plan proposed that this area be upgraded with a "grasscrete" product that will stabilize the soil while till allowing grass to grow within it.

• Currently, the orientation and configuration of the existing stables do not allow for the vehicular drive at this location to smoothly flow around them. Additionally, the existing configuration does not allow for adequate parking and service space between the drive and the structure for deliveries or temporary storage. As a result, it is important for the stables to be reconfigured and re-oriented as shown on the master plan in order to provide adequate clearances in this area.

• The master plan for the East Campus identifies a new entrance into the Arena in Building 7 as well as a new Student Center to the northwest of Building 7. A portion of the Student Center is proposed to be allocated to a multi-purpose facility to accommodate large campus gatherings as well as community events. Because the events occurring in the Arena as well as the multi-purpose facility will generate the potential need for a large amount of parking, a new parking lot has been identified between the two facilities to accommodate functions in either location. In order for this parking lot to be implemented, the existing temporary buildings (Buildings 1 – 4) will need to be demolished.

• Although the existing entrance drive that traverses under the bridge between Buildings A and B is proposed to be eliminated as part of the master plan, the two primary parking lots north of Buildings A and B will remain intact. Access to these lots will of course need to be re-oriented to the ring road.

• As the ring road approaches the west side of the campus, it will extends far enough to allow additional parking to be provided adjacent to the existing student housing development as well as a future housing development and associated parking area.

• Because the existing entry drive under the bridge between Buildings A and B will be removed, access for service vehicles heading to the lower level of Building B. the receiving/loading area at the lower level of Building B, and vehicle access/staging for the Ag/Auto Mechanics Lab will need to be relocated.

• The master plan identifies two proposed facilities outside of the ring road on the west side of the campus; a new Vet Tech/Animal Science Center and a new Ag/Auto Mechanics Lab along with a new Facilities Building. One of the reasons that these proposed facilities are located in this area is because there will be numerous service-type vehicles coming to these facilities and it was requested to provide easy access for these vehicles in an attempt to keep them off the ring road as much as possible. Some of these service vehicles include trailers hauling large animals to the Vet Tech Center, tractors and combines coming to the Ag Mechanics Lab, and general delivery truck coming to the receiving area associated with the Facilities Building.

• General student, faculty, and staff parking is also proposed east and west of the ring road to support the proposed Vet Tech/Animal Science Center and Ag/Auto Mechanics Lab.

• The second entrance/exit off of 100th Avenue is proposed to align with the existing drive leading into the area south of 100th Avenue that may become available to the college. This alignment will support traffic flow from the area south of 100th Avenue to the campus facilities to the north of 100th Avenue.

Pedestrian Circulation

As the East Campus evolves and expands over time, it is important that the pedestrian circulation system around it and through it be modified to support an efficient and enjoyable pathway for students, faculty, and staff. This is especially important to support the students who will be living in the existing and potentially expanded student housing development.

The master plan identifies a network of pedestrian pathways that attempts to logically connect building entrances both on the exterior as well as on the interior where feasible. A major organizing walkway is proposed from the new Ag/Auto Mechanics Facility running northeast and terminating at the new Student Center. This walkway serves as the primary thoroughfare through campus and organizes the majority of campus structures along its northwest edge in a simple, rectilinear fashion. Along the southeast edge of this thoroughfare is the Campus Green anchored by the existing arboretum with a more organic walkway system traversing throughout it.

Connecting to the primary thoroughfare are walkways leading to major entrances to buildings on campus. The cross-walk to the northeast connects the entrance to the proposed new Classroom Building, the proposed new Student Center, and the proposed new entrance to the Arena and serves to anchor this portion of the campus.

The existing entrance to Building 7 is located on the south face of the building and is in a poor location relative to the parking that serves the facility. Additionally, the main entrance does not serve the students coming to this building on a daily basis due to its location. As part of the master plan, it is proposed that a new entrance for the building be located at the southwest corner of the building. As a result, a new walkway will be created from the proposed new parking area north of the building to the new entry.

The proposed new Classroom Building located between Buildings A and B will be a two-story structure. Due to the existing grading within this area, the primary entrance from the southeast will be at the first floor level, and the primary entrance at the northwest will be at the second floor level.

Lastly, a fitness trail has been proposed to be installed on campus and will be located at the southeast corner of the property. The trail will wind around the short-term trailer parking area, the existing turnout area, and the organic fields and is proposed to connect to the Campus Green as well as the rest of the campus walkway system in order to encourage students, faculty, and staff to use the trail. A path is also indicated from the trail leading up to the east side of the Arena to accommodate animals and participants parking in the short-term trailer parking area up to the Arena.

Campus Life Space

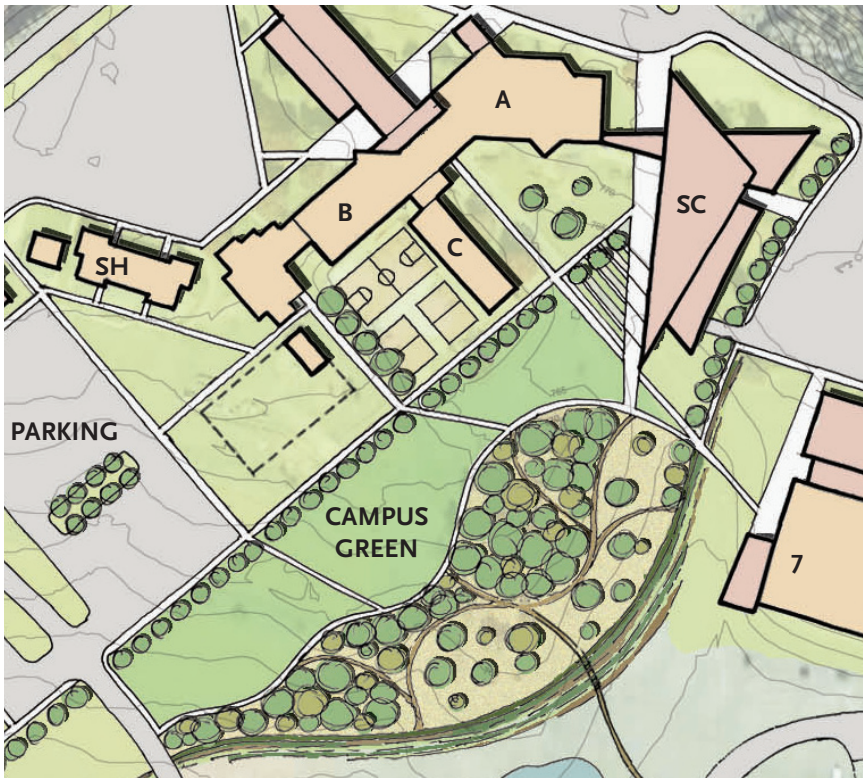
The existing overall land use and general organization of the East Campus does not currently incorporate much campus life space for use by students, faculty, and staff. With the exception of the courtyard developed between the temporary buildings (Buildings 1 – 4), there is little outdoor space for informal or formal gatherings.

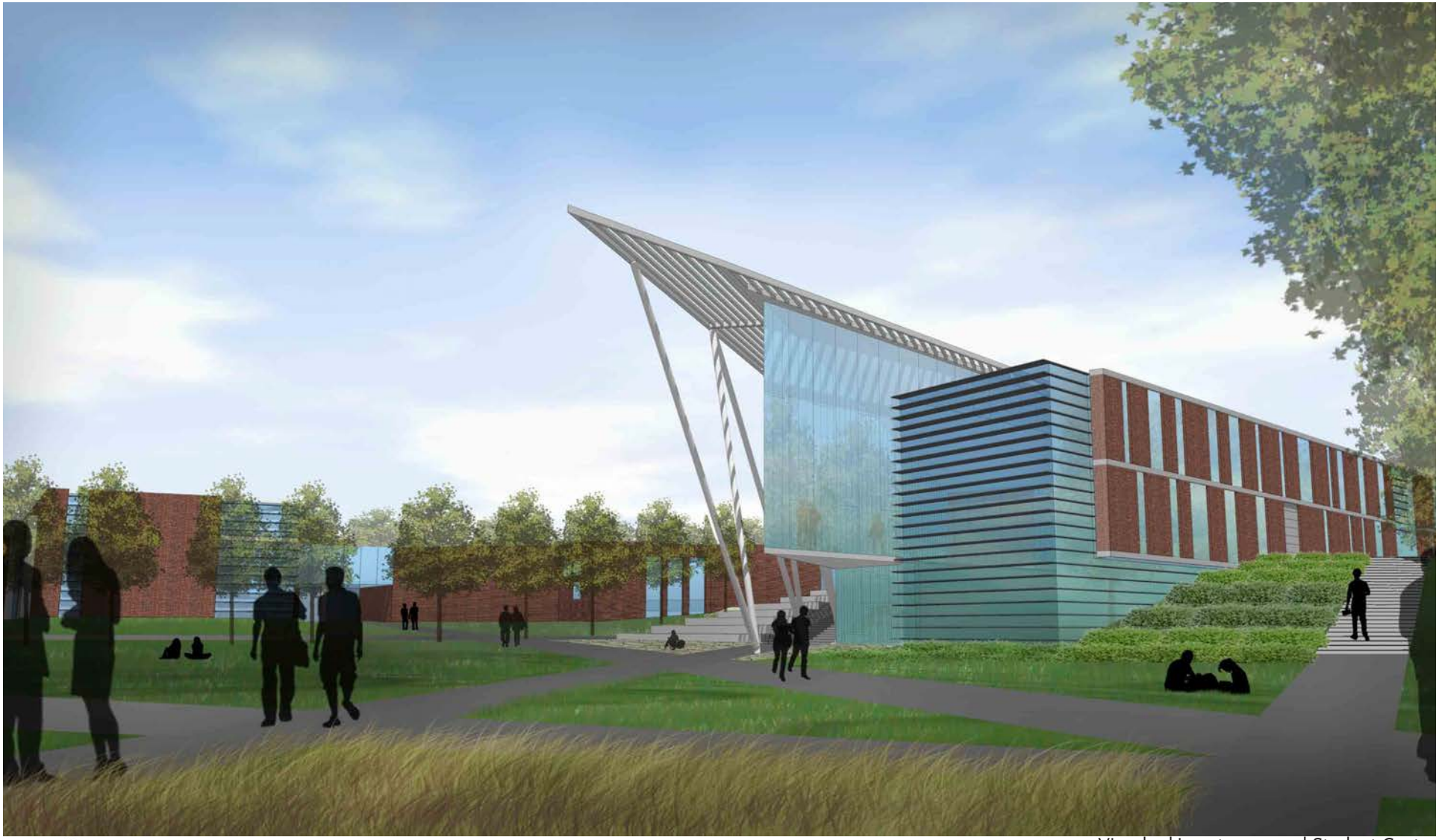
In keeping with the Planning Objectives and in an effort to strengthen the overall campus environment, the Facilities Master Plan addresses this issue in several ways:

• The proposed Campus Green located in the heart of the campus not only serves as the primary organizing element for the campus, but it also serves as an opportunity to create a focal point for informal campus life space. As a small preserve area, there are opportunities for meandering pathways, a formalized arboretum identifying various species of trees and plants, and possible shelter areas.

• The organization of the footprint of the proposed new Student Center is intentional. Its north-south orientation creates one edge of a three-sided courtyard. Building A and Building C create the other two edges. Because this proposed courtyard area is bounded by student life space such as student lounges and dining in the Student Center as well as the fitness center proposed to be relocated into Building C, this courtyard becomes a natural outdoor extension for student life space. Due to the grading within this area, a series of tiered plateaus can be developed to create a seating zone for outdoor presentations or for outdoor dining.

• The existing paved area between Buildings B and C currently serves as the primary service area for the campus. As the master plan is implemented, however, these service functions will be relocated to other areas of campus, freeing up this existing area for other functions. As part of the re-allocation of Building C into a new fitness center for the campus, the building exterior will be upgraded to include glassy infills where the existing overhead doors are currently located. As a result, views will be created from the fitness center at the southwest edge of Building C onto the outdoor open space. This visual connection can be enhanced by providing landscaping and/or outdoor activity space such as basketball or volleyball courts.





View looking at proposed Student Center

Building Organization and Spatial Definition

The Facilities Master Plan for the East Campus identifies issues associated with the location of proposed future facilities on campus as well as major renovations. It is important to note that these issues help to define ultimate spatial relationships between functions on campus as well as the relationship of these functions to the campus as a whole. The final location and actual design of the facilities must ultimately serve specific programmatic and aesthetic goals for the project. Following is a summary of the proposed new construction and major renovations throughout campus:

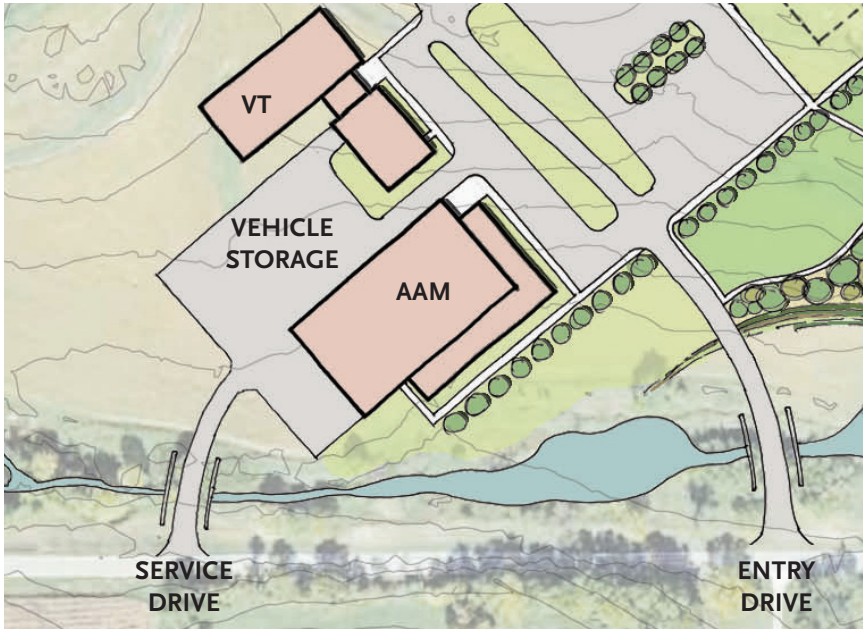
Proposed New Construction

New Vet Tech / Animal Science Building (VT)
In order to support and grow the Agricultural Sciences program at the East Campus, the college is in the process of developing new curricula to include a Veterinary Technician program. While there are only a handful of these programs offered at community colleges throughout the state of Illinois, the East Campus is unique in that it proposes to include large animals in the overall curriculum. The proposed new facility will include three major components, including a livestock arena where animals can be displayed and viewed, a working area where procedures can be conducted on the large animals, and the Vet Tech Center which will include classrooms, labs, and offices. A preliminary space summary for the proposed facility is as follows:

Livestock Arena (60' x 80')	4,800 sf
Working Area (30' x 40')	1,200 sf
Toilets / Support	2,000 sf
Vet Tech Center	20,000 sf
Total Gross Area	**28,000 sf**

During the development of the master plan for the East Campus, several locations were examined for the footprint of the new Vet Tech / Animal Science Building. Ultimately, it was decided that this facility should be located in an area that establishes some separation between it and the other academic facilities on campus due to the noise and odors that will be generated from the animals. It was also decided during the planning process that the storage of the animals would actually occur in an area south of 100th Avenue and the animals would be transported back and forth between the storage area and the Vet Tech / Animal Science Building as needed.

Based on the above criteria, it was decided that the new facility would be located outside of the proposed new ring road on the west side of the campus.



New Ag/Auto Mechanics & Facilities Building (AAM)
Based on discussions with the Agricultural and Automotive Mechanics faculty, it was stated that the existing lab space currently located in Building C does not accommodate adequate space for these two programs. It was stated that the Automotive Mechanics program requires ten (10) bays with lifts, a bay with a chassis dyno, and an alignment bay to adequately offer and grow the program. Additionally, specific lab space for automotive engines is required.

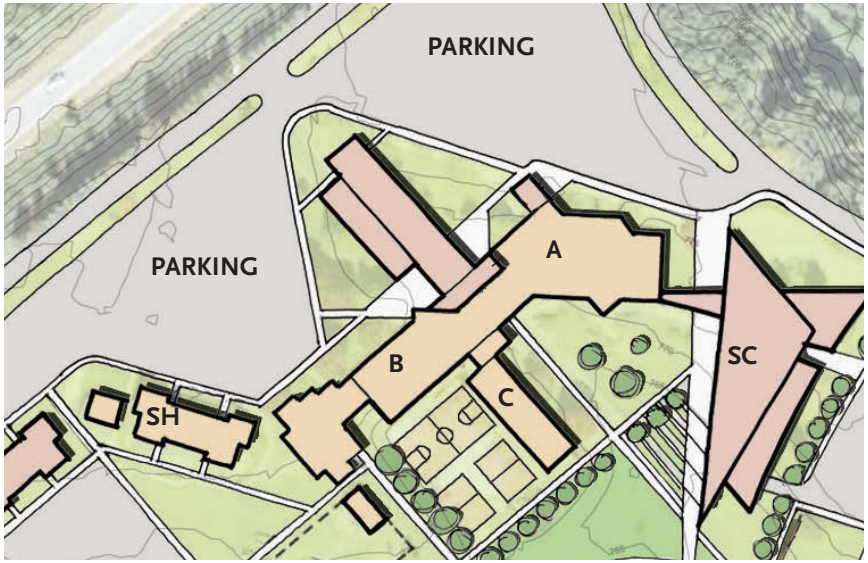
It was stated that lab space for Agricultural Mechanics will require the same amount of space that currently exists in the lab space in Building C. This space will be used simultaneously with the Automotive Mechanics lab space, therefore, the lab space between the two programs cannot be shared in order to deliver both programs to students as requested. Classrooms, office space and storage, however, can be shared.

Additionally, since the master plan identifies facilities growth, and eliminates access to Building C, the master plan has identified a proposed new Facilities Building for the campus. Based on the type of outdoor storage needs that will be required for the Ag/Auto Mechanics Labs, it was determined that there would be some overall campus efficiencies if the Facilities Building was linked to the Ag/Auto Mechanics Building.

A preliminary space summary for the proposed facility is as follows:

Automotive Mechanics Lab	9,000 sf
(10) Lift Bays	
Chassis Dyno	
Alignment Bay	
Ag Mechanics Lab	6,000 sf
Engine Lab	1,800 sf
Equipment Storage	2,000 sf
Tool Crib	800 sf
Classrooms	1,600 sf
Office Space	400 sf
Facilities Shops / Receiving	6,000 sf
Total Net Area	*29,400 sf*
Total Gross Area	**38,000 sf**

Since all of the above program needs will require easy access from municipal access ways and the outdoor storage needs for these programs often require screening to visually separate them from the rest of the campus, it was determined that the most suitable location for this facility occur at the southwest portion of the campus, west of the proposed new ring road and adjacent to the proposed new entry west of the existing entry. A potential new access point off of 100th Avenue is also shown specifically for deliveries and large vehicles such as combines so that this traffic remains separated from the other campus traffic.



New Classroom Building (CB)

As indicated previously, the master plan recommends demolition of the existing "temporary" buildings (Buildings 1 – 4) in order to provide more suitable, "permanent" teaching and learning spaces on campus. Before these existing buildings can be demolished, new facilities to replace, upgrade, and expand the existing space must first be accommodated on campus. The proposed new Classroom Building will provide much of this needed space. A preliminary space summary for the proposed facility is as follows:

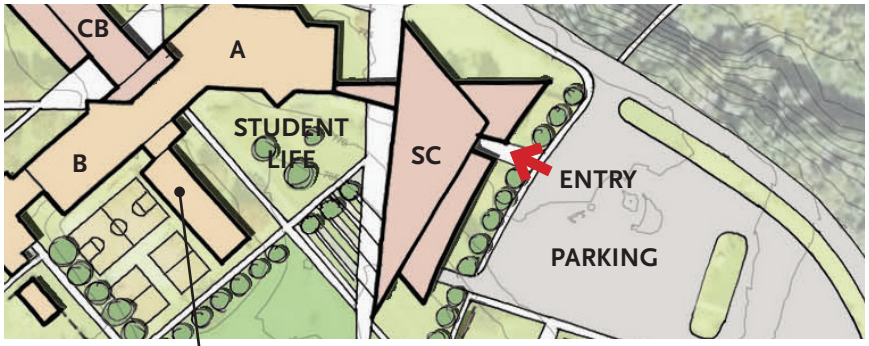
Classrooms	7,500 sf
(3) Classrooms @ 1,000 sf	
(3) Classrooms @ 1,500 sf	
Computer Labs	7,200 sf
(6) Computer Labs @ 1,200 sf	
IT Offices	1,000 sf
Art Studios	2,500 sf
Office Space	400 sf
Toilets	1,200 sf
Student Lounge Space	2,000 sf
Total Net Area	*21,800 sf*
Total Gross Area	**40,600 sf**

The new facility is proposed to be located adjacent to the other classrooms on campus which are currently housed within Buildings A and B. Once the entry drive that goes under the bridge between Buildings A and B is removed, this area becomes a natural location for the new entrance to the new Classroom Building at the first floor level since this new lobby also feeds directly into Buildings A and B. As the new building extends under the bridge and to the north, it will become a two-story structure to accommodate the required space needs identified above. The natural terrain within this area also allows the north end of the proposed structure to be accessed at its second floor level from the adjacent parking lots.

New Student Center (SC)
In an effort to create a true Student Center at the East Campus, it was requested that student services functions and student life / activities functions on campus be consolidated into a single facility. Currently, these functions are spread throughout various buildings on campus, which makes it difficult and inefficient for students, especially new students, to navigate throughout these areas. Additionally, there is a lack of acoustical separation between some functions such as Advising and the Student Lounge which makes it difficult to adequately conduct business. In addition to the above functions there are some functions that currently exist in the "temporary" buildings which would be better suited in a proposed new Student Center such as the campus's Administrative Offices, the Campus Police Offices, and the U of I Extension Site.

Lastly, it was stated throughout the focus group meetings that the campus severely lacks a large meeting space for on-campus functions. As a result, a flexible, multi-purpose room was identified as a space need that should be located within the proposed new Student Center.

A preliminary space summary for the proposed facility is as follows:



Admissions / Enrollment Management	3,000 sf
Recruitment	400 sf
Advising	800 sf
Testing	1,000 sf
Disability Services	300 sf
Administrative Offices	2,500 sf
Campus Police	1,000 sf
Foodservice	6,000 sf
Student Lounge	3,000 sf
Game Room	1,200 sf
U of I Extension Site	1,500 sf
Multi-Purpose Room	7,500 sf
Total Net Area	*28,200 sf*
Total Gross Area	**48,000 sf**

During the planning process, there were several options explored as the potential site to accommodate the proposed new Student Center. Ultimately, it was decided that the new facility should be located between Building A and the Arena / Stables for the following reasons:

- The new "front door" building will be visible to visitors entering the campus from the east entrance off of 100th Avenue
- The new building will have the opportunity to physically connect to Building A
- As a stand-alone, new building, spaces such as dining and student lounge space can be easily separated from other spaces that require a more quiet environment
- With the selective clearing of some of the trees to the northeast of the proposed new building, the building can be seen from the intersection of Route 34 and IL 78 by the community and passers-by
- The building will be adjacent to the shared parking lot north of the Arena so that functions within the Multi-Purpose Room can also use this parking area
- The building location will anchor the Campus Green to the northeast

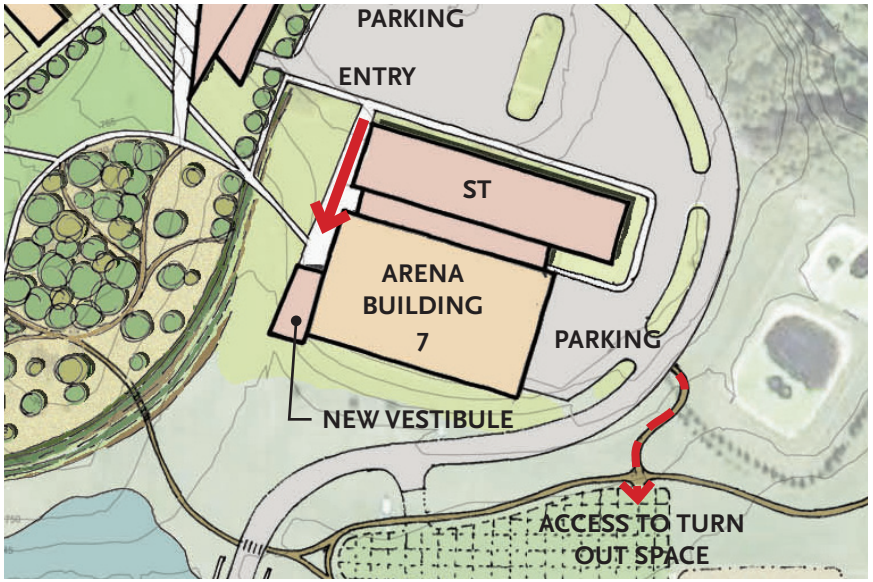
View of proposed Student Center

New Stables (ST)
As previously stated, the existing stables currently housed within Buildings 5 and 6 will be in need of replacement in the future due to the ongoing maintenance costs associated with the current construction type for the facilities. Additionally, the size of the individual stables was cited as a concern as they are not appropriately sized to accommodate the long-term well-being of the horses housed within them. Additional support facilities such as hay storage and tack rooms were also identified as a need within facilities.

A preliminary space summary for the proposed facility is as follows:

Stables	
(80) 12' x 12' Stables	11,520 sf
Aisles (10' wide)	5,500 sf
Tack Rooms	
(5) @ 500 sf	2,500 sf
Hay Storage	1,000 sf
Wash Rack	400 sf
Classroom	800 sf
Warm-Up Arena	5,000 sf
Total Gross Area	**26,720 sf**

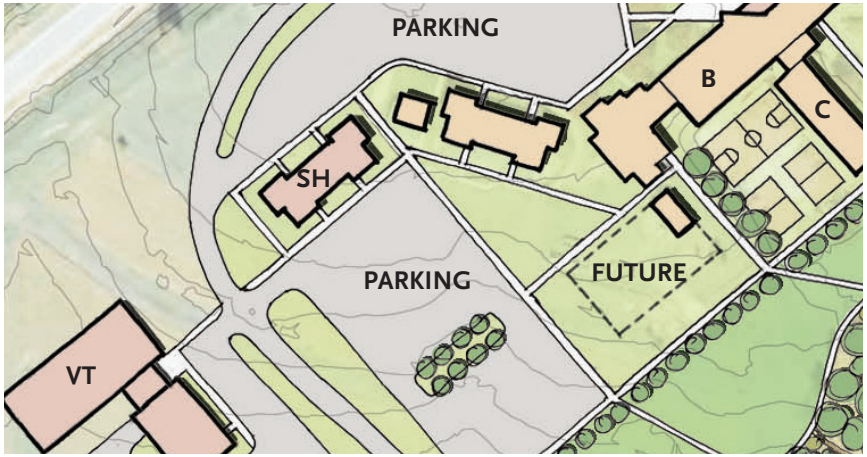
There is no question that the new stables will need to be constructed immediately adjacent to the Arena in Building 7, however, in an effort to create additional parking and to accommodate the overall ring road configuration around campus, the proposed new stables will be oriented in an east-west direction and connected to the Arena along its north edge. In addition to accommodating a new parking area to the north of the stables, the new construction will create an opportunity to develop a new north "face" for the facility. As part of the upgrades associated with this potential project, a new entrance to the Arena is proposed at the southwest corner of the building. As indicated previously, the existing main entrance to the Arena is currently located on the south face of the building, and parking is not easily accessible to this entry. The proposed new entry will be linked to the proposed parking lot north of the stables and to the other campus facilities by pedestrian walkways.



New Student Housing (SH)
As new programs are developed on campus, specifically the Veterinary Technician program, the East Campus will need to accommodate additional students. Because this new program will be quite unique in the state, it is likely that students may, in fact, come to Black Hawk College from other districts throughout Illinois and perhaps throughout the country to enroll in this program, similar to the college's nationally recognized equine program. The existing student housing development is generally full each semester, and any additional housing needs would require additional facilities.

In order to strengthen the student community on campus, the proposed new student housing development is located adjacent to the existing development and parking for students living within the new development is immediately adjacent to the facilities.

Similar to the proposed new student housing development at the Quad Cities Campus, it is also important to note that any new student housing on campus will need to managed by and built on property owned by an entity other than Black Hawk College.



Future Building Site
In addition to the proposed facilities identified above, the Facilities Master Plan also identifies a future building site to accommodate future program needs that are unknown at this time. The purpose for identifying this site is for planning purposes only and to ensure that future work such as utility routing, roadways, and walkways respect these areas.

The area identified is located directly south of the recently constructed Science Wing and is oriented in a way that allows the north-south corridor in the Science Wing to connect directly into the future building.

Proposed Renovations

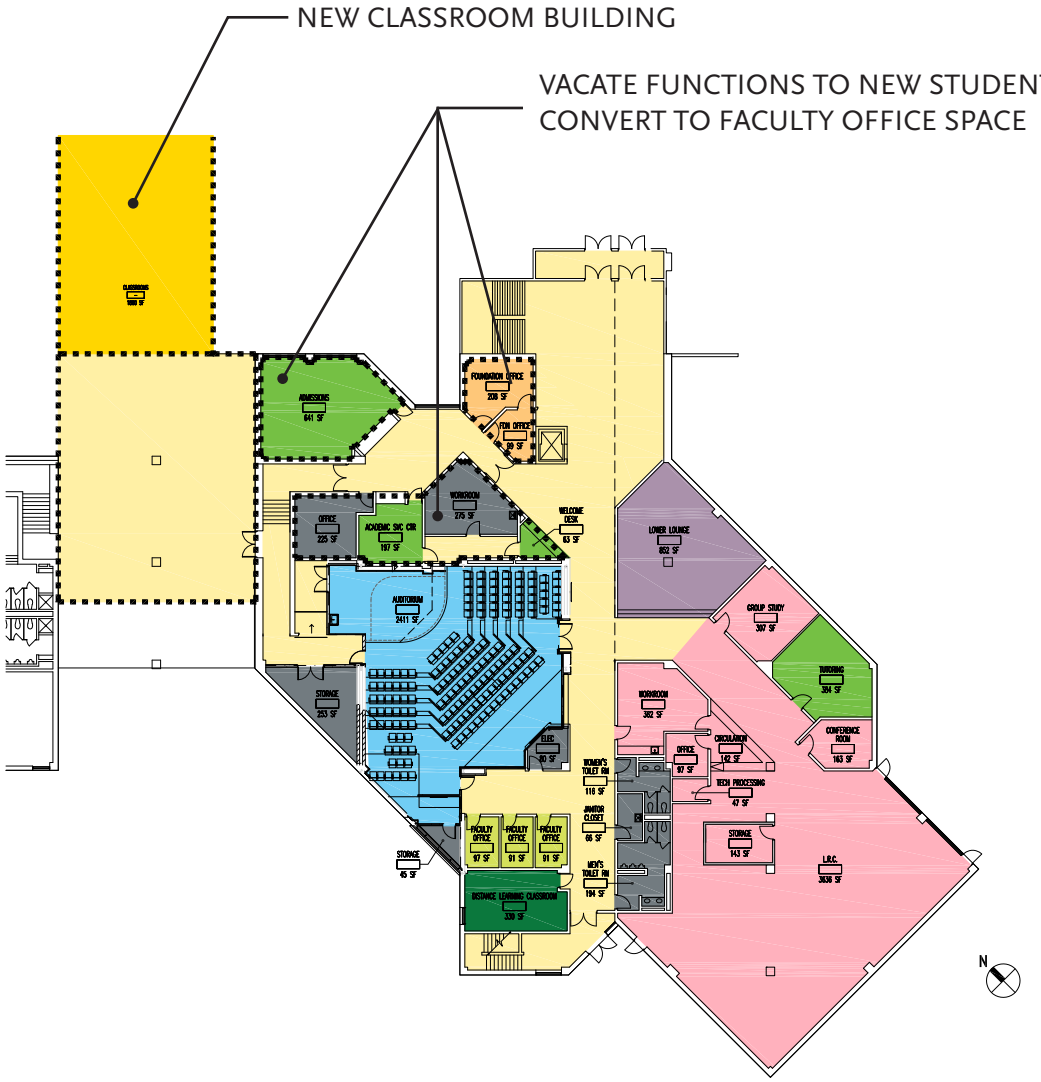
Building A

First Floor
• Renovate and upgrade the main entrance at the north side of the building to improve handicap accessibility
• Provide new office space in vacated student services office space. Student services space to be relocated to proposed new Student Center
• Create a new entrance between Buildings A and B into the proposed new Classroom Building

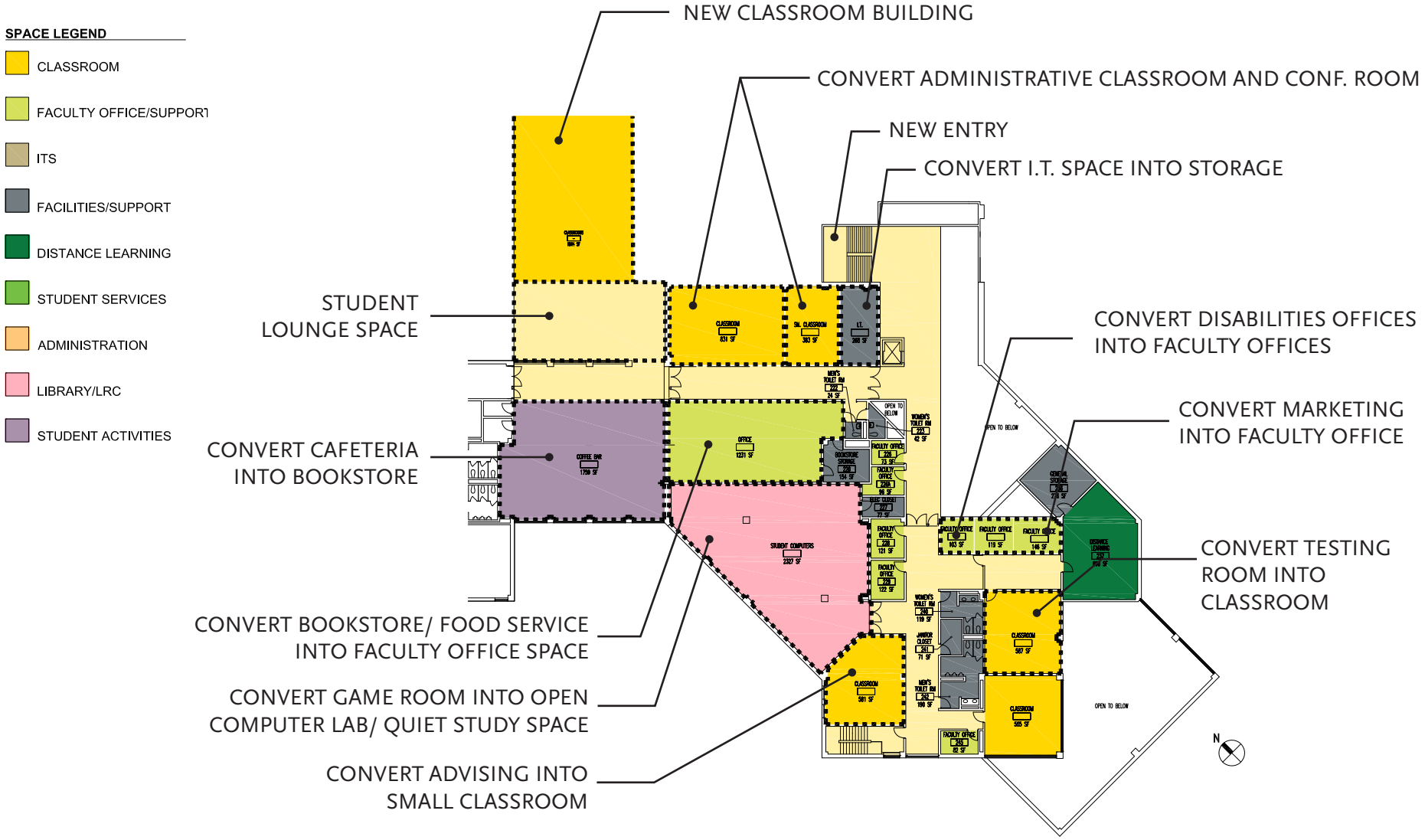
Second Floor
• Convert existing student services space (Testing Center, Advising, Disability Services) into classrooms and offices
• Convert existing student lounge space into quiet study space and academic computing space
• Convert existing bookstore and foodservice area into office space. Relocate bookstore into existing dining space and relocate foodservice into proposed new Student Center.
• Convert existing Administrative office space into classroom space. Relocate administrative offices to proposed new Student Center
• Convert existing dining space into new bookstore in order to create additional space and to locate the bookstore in a "prime", convenient location for students. Relocate dining space into proposed new Student Center.
• Create lounge space directly north of the proposed new bookstore similar to the model created at the Quad Cities Campus

SPACE LEGEND

- CLASSROOM
- FACULTY OFFICE/SUPPORT
- ITS
- FACILITIES/SUPPORT
- DISTANCE LEARNING
- STUDENT SERVICES
- ADMINISTRATION
- LIBRARY/LRC
- STUDENT ACTIVITIES



Building A - Second Floor Plan Proposed Renovations



Building B

First Floor

• Re-organize existing facilities space to accommodate overall campus growth. Relocate facilities office space and shop space to the proposed new Facilities Building.

Second Floor

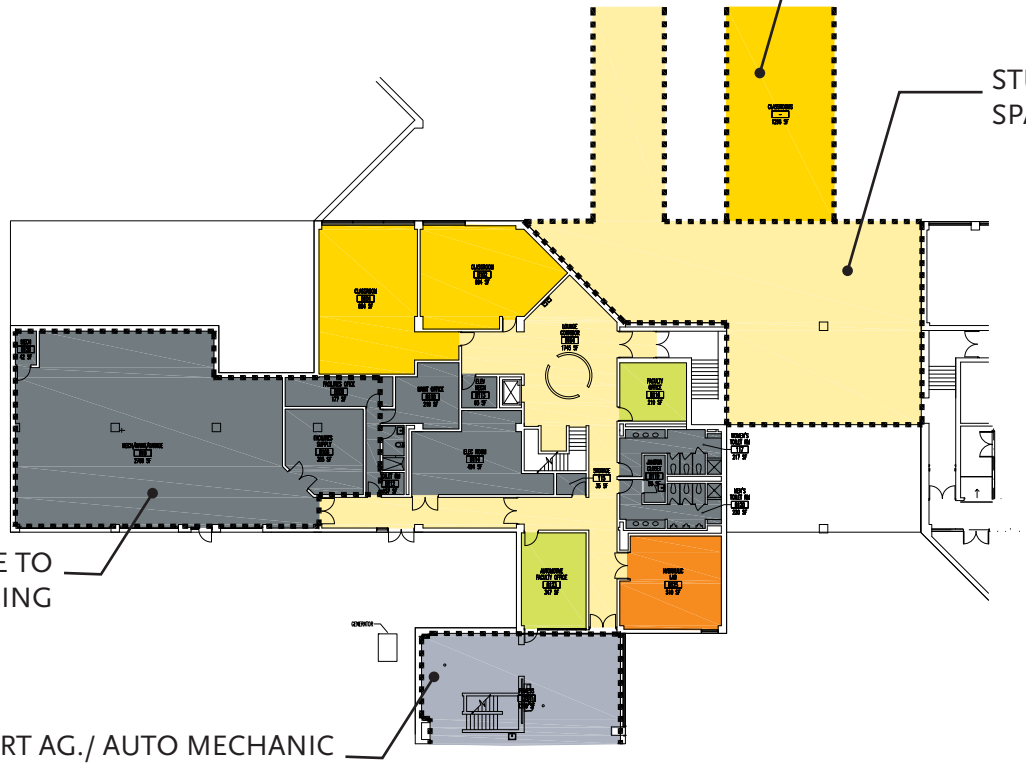
• Upgrade (2) existing science labs to support the Agricultural Program

• Convert (2) existing science labs into (2) classrooms with a movable partition

Building B - First Floor Plan Proposed Renovations

SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- FACILITIES/SUPPORT
- SCIENCE
- DISTANCE LEARNING
- STUDENT SERVICES
- INDUSTRIAL TECHNOLOGY
- VACANT
- STUDENT ACTIVITIES
- CIRCULATION



NEW CLASSROOM BUILDING

STUDENT LOUNGE SPACE

RELOCATE SHOP SPACE AND OFFICE TO NEW FACILITIES BUILDING

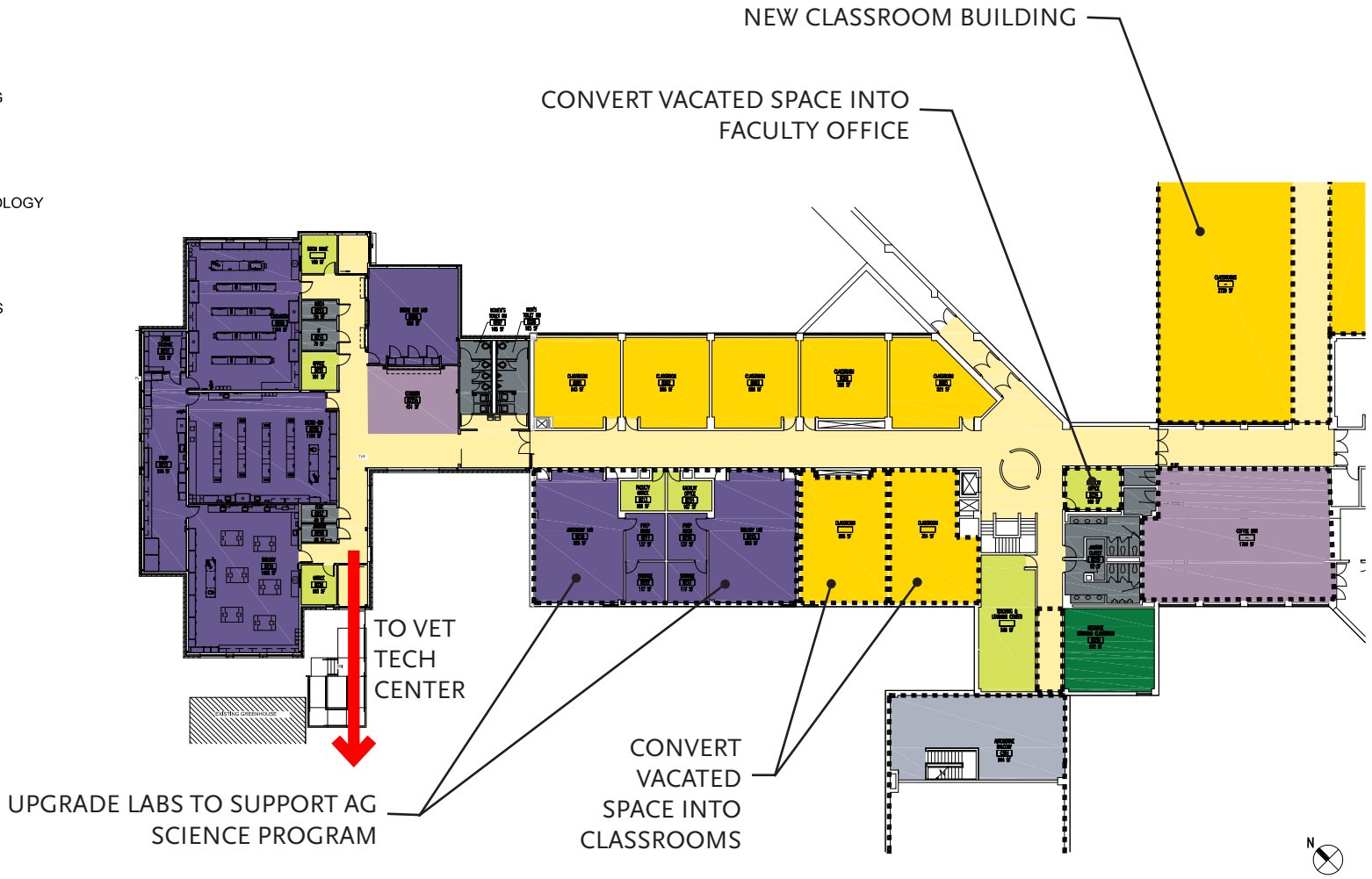
CONVERT AG./ AUTO MECHANIC INTO FITNESS SPACE

N

Black Hawk College

SPACE LEGEND

- GENERAL CLASSROOM
- FACULTY OFFICE/SUPPORT
- FACILITIES/SUPPORT
- SCIENCE
- DISTANCE LEARNING
- STUDENT SERVICES
- INDUSTRIAL TECHNOLOGY
- VACANT
- STUDENT ACTIVITIES
- CIRCULATION



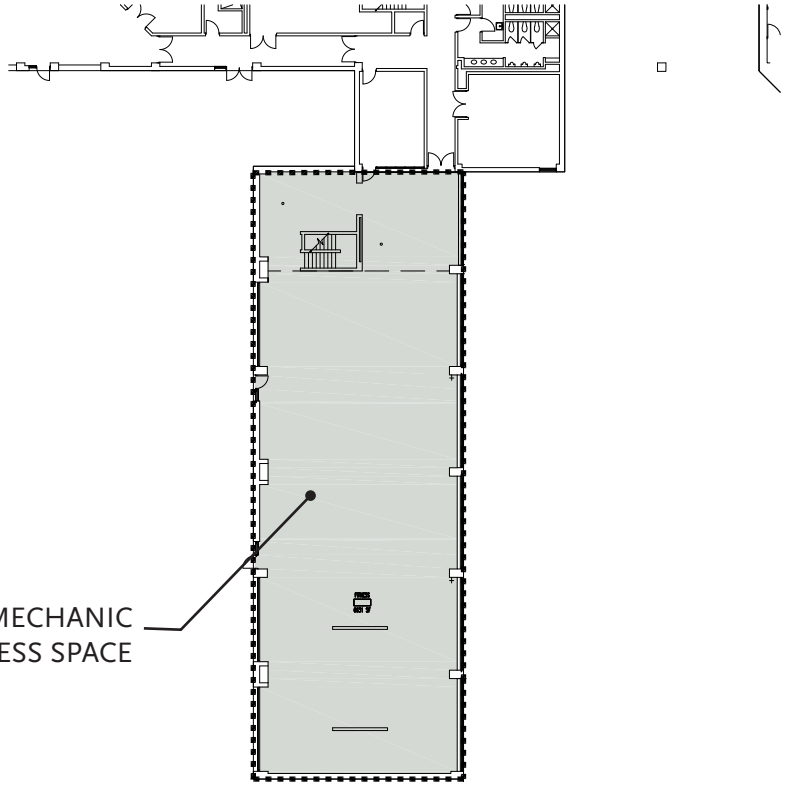
Building C

- Convert existing Ag / Auto Mechanics Lab into a proposed new Fitness Center for the campus. The new facility will include:
    - Fitness Floor
    - Exercise / Dance Room
    - Locker Rooms
- Upgrade the exterior skin to create visibility into and out of the proposed facility. Upgrades to include the replacement of overhead doors with glazing and the installation of new glazing in some locations where face brick currently exists.

SPACE LEGEND

INDUSTRIAL TECHNOLOGY

FITNESS



Community Education Center (CEC)

The existing Welding Lab at the east campus is currently located in Building 3, one of the "temporary" buildings on campus. The existing space is woefully inadequate to provide proper training for students, and the confined space limitations present numerous safety concerns.

After numerous discussions, it was decided that a new Welding Lab will be provided at the Community Education Center in Kewanee in lieu of keeping the program at the East Campus in order to provide additional accessibility for the community.

In addition to providing space for welding, the proposed new facility will also house a Flex Lab for use in a variety of manufacturing training programs. A preliminary space summary for the proposed facility is as follows:

Welding Lab	6,000 sf
(40) Welding Booths	
Flex Lab	2,500 sf
Storage	1,000 sf
Office Space	500 sf
Classrooms	1,200 sf
Student Space	1,000 sf
Total Net Area	*12,200 sf*
Total Gross Area	**14,000 sf**

The proposed location for the new Welding / Manufacturing Lab is along the east side of the existing parking lot at the CEC. It was determined that the existing parking capacity will be adequate for the proposed new facility, however, the area identified for the building currently accommodates the required detention for the existing structure and paved areas. As a result, a new, expanded detention area will need to be created for the additional structure on site.


PROPOSED
WELDING/
MANUFACTURING
LAB

Campus Image

As indicated in the Planning Objectives, it is the college's desire to enhance the overall campus image when opportunities present themselves. As indicated throughout this document, not only are new structures and major renovations aligned with programmatic needs and with overall campus efficiencies in mind, but the enhancement of the campus image of the East Campus was also taken into consideration. Examples of this include the following:

• The positioning of the proposed new Student Center in alignment with the east entrance off of 100th Avenue provides a clearly defined "front door" presence for the campus and establishes a student-focused image for students, faculty, staff, and visitors to campus. This positioning also allows for a similar image to be conveyed to passers-by along Route 34.

• The creation of new stables and a new entrance to the Arena (Building 7) provides an opportunity to develop a new image from the campus core as well as along IL 78. During the development of these potential projects, the south face of Building 7 which faces the east entrance has the potential to be re-clad to modify the image of the campus as well.

• Once Building C is re-purposed from the Ag/Auto Mechanics Lab into a potential new Fitness Center for the campus, the exterior of this building will be re-clad as well by providing additional glazing. These improvements will create a higher level of transparency for the facility to highlight the activity within it as well as to allow users of the facility to overlook the campus as a whole.

• Care must be taken during the development of the proposed new Ag/Auto Mechanics Building and Facilities Building to ensure that this prominent structure located adjacent to the west entrance off of 100th Avenue appropriately "hides" the equipment and materials that will be stored around the facility. It is also important that the façade of the building that faces the west entrance conveys an appropriate image for the campus.

• The Campus Green located in the heart of the campus creates a unifying element for the campus, while at the same time, developing a strong sense of place for students, faculty, and staff traversing from building to building on campus.

• With the potential development of additional parking and structures on campus, additional detention space will be required. Based on the existing topography on campus, the master plan proposes that this area occur along 100th Avenue. With this in mind, this area has the potential to be developed into an enhanced "front yard" for the campus consisting of water features and native vegetation.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Natural Areas / Landscaping

The East Campus Master Plan envisions a landscape that maintains the perimeter image while significantly upgrading the interior image. The surrounding Foundation land uses – primarily agricultural fields – should continue to be used in this manner. The garden plots in the southeast portion of campus are also an appropriate use going forward. The low lying lands along N 100th Avenue should also be maintained as a buffer and storm water overflow zone. However, the opportunity to integrate the stream bed with the entry features is an important one. The Master Plan envisions a larger pond, or series of ponds, that will improve water quality water storage capacity. This pond environment should be designed to visually flow into the interior campus landscape.

As the campus is developed with new buildings, the landscape should go through a similar transformation. The Arboretum should be expanded, both in terms of the area dedicated to it and to the diversity of plants within it. Given the agricultural training mission of the institution, such an amenity has the potential to significantly expand and improve the instructional opportunities on campus.

One of the most significant challenges related to "first impressions" facing the campus is the exposed south façade of Building 7. Placed prominently at the crest of a hill, the blank utilitarian walls of the building should be softened and screened by groves of shade trees. These groves should be extensions of the arboretum in the central portion of campus,

The Master Plan also envisions new pedestrian walkways to provide stronger links throughout campus. It will be important to use shade trees along these paths to reinforce the prominence of the paths and to also provide shade to pedestrians.

Finally, care should be exercised when working along the north edge of campus. The woods there help to stabilize the steep banks down to the north and should be preserved to the extent possible when locating buildings or roads. Pedestrian access from the higher campus elevation down to the north stream bed will afford recreational and pedagogical value to the school's faculty, staff, and students.

Site / Civil

New Welding Lab at Community Education Center (CEC)
Sanitary sewer lateral and water services will be extended from the City system which is located within the City Right of Way South and East of the proposed facility location. Parking will be provided with the building addition to support the additional programming for the facility. An existing detention pond exists east of the entrance to the CEC. A new detention pond or an expansion of the existing pond will be required for the additional impervious surface of the addition and parking lot.

Extend Ring Road and Parking Lot
A new road surrounding the entire exterior of the campus is being proposed. Part of this route will require a new west entrance. The entire length of the road will have curb and gutter on each side. A parking lot containing porous pavement will also be included with this priority. New storm sewer will be needed to convey storm water to the proposed detention, per Illinois DOT standards, and infiltration features.

Vet Tech Building Parking Lot and Utilities
The proposed Vet Tech Building will be located on the northwest corner of the campus, at the northwest corner of the proposed ring road. Dedicated parking for the Vet Tech Clinic will require new paving for a parking lot. Included in this paving will be porous pavement for improved green measures. A sanitary lift station and well will be needed and utilized in this location to support the sanitary and water requirements for this new facility. The sanitary sewer will then be pumped to the south side of the existing student housing facility where a new 10" diameter sanitary sewer will convey the sanitary sewer to the existing treatment facility. These additions will be required to expand services for the entirety of the proposed expansion. Electric and gas service will be fed from the area around the existing student housing building. Storm water will be routed to the previously noted proposed detention area between the existing entrance and proposed west entrance.

New Student Housing
The proposed student housing will be located southwest of the existing Prairie Pointe Apartments. Existing parking will be utilized for this addition. It is anticipated that the sanitary sewer will tie into the new 10" diameter interceptor sewer that terminates at the south side of the existing student housing facility. The water will need to be studied further with this development to see if the existing well can support it or the new well from the Vet Tech Clinic. Gas service can be fed from the existing line running from Route 34 to the existing Prairie Pointe Apartment complex. Electrical service near the existing apartments will also serve this expansion.

Agricultural and Auto Mechanics Parking and Utilities
The new Agricultural and Auto Mechanics building and parking area will be located on the southwest corner of campus near the new Vet Tech Clinic. Improvements will require a 45,000 square foot parking area with 9,000 square foot of porous pavement for green measures. Storm sewer additions will route runoff the proposed detention basin. Sanitary sewer will be routed to the lift station installed as part of the Vet Tech Clinic project. An oil or grease interceptor will likely be needed as part of the addition to prevent migration of oil and byproducts to the existing sanitary sewer system. The water service will need to be evaluated to see if the existing well can support the addition. Sanitary and water service upgrades will also be required. Gas and electric service is available from main service lines from the east.

Convert Building C into Fitness Center
The existing Agriculture Building will be converted to be used as a fitness center on campus. The existing aces drive approaching south of Building C will be removed. Emergency access will be provided with a 20 foot wide isle off of the additional ring road addition from priority 2. Additional sidewalks and entrances will also be added. Electric and gas service will also need to be upgraded.

New Classroom Building
The new Classroom Building will be added to the north side of existing Buildings A and B. Additional access drive pavement removal will be required. The existing parking lots around this new addition will also be replaced. New sidewalks and entry areas will need to be added as well. New connections for sanitary service, water service, electrical service, gas service will likely be necessary. Storm water will be conveyed to a location to support infiltration and filtering practices.

New Stables and Parking – Existing Building Demolition
The new stables will be in the same location as the existing. As such, the existing stables and temporary buildings will be demolished. New parking areas with the inclusion of porous pavement will be added. Upgrades to existing water service, sanitary service, electric and gas services will also be required. Additional storm water structures will be needed to convey storm water to the proposed detention basin.

New Student Center
The new Student Center is being proposed between Building A and the new stables. New and existing parking areas will service this building. New paving for sidewalks and entrances will be needed. New lines for water, sanitary, electrical, and gas services will also be required.

Arboretum with Sidewalks
Additional green measures porous pavement will be utilized to offset additions of impervious area. Hitchcock to provide design information.

Buildings

Mechanical:
The original East Campus buildings are served by stand-alone gas fired heating / DX cooling and electric heating / DX cooling RTU's. The East Campus does not incorporate a central heating or cooling plants. Consistent with the Science Labs addition, KJWW recommends all new buildings follow one of two approaches:
1. Stand-alone building systems
2. A new central heating and cooling plant located in a future building, sized for future expansion / connection to additional buildings.

Electrical Service and Distribution
The existing utility service is adequate for the current campus, but expansion is problematic due to the location of the existing main electrical gear. It is recommended that for each new building that the utility service is extended at the medium voltage level and a new dedicated pad mounted transformer be provided, rather than existing power from building B as has previously been done.

The existing distribution systems within each existing building are adequate for renovation needs. It is recommended that panels be added, when needed, in dedicated electrical closets and not to share space with other program functions.

Emergency Power
The existing generator located outside of building B is adequate for the needs of the main existing buildings. Expansion for new buildings is not possible, so provisions should be made for additional generators when emergency power is required or desired.

Fire Alarm and Mass Notification
The existing fire alarm and mass notification system should be extended to all new buildings to keep the system consistent. The current EST system can be extended without limitations, as the only required connectivity between buildings is fiber.

Technology
A redundant pathway to support redundant service provider connectivity should be considered.

As new buildings get renovated multimode fibers within the building and between telecommunications rooms should be upgraded to 50 micron to support 10 gig-a-bit bandwidth.

A campus wide security assessment is recommended. This assessment would review existing and future emergency phone locations, cameras, and card reader positions. The assessment should include recommendations of systems upgrades, device locations and potential areas of security threats.


Black
Hawk College

Implementation Plan

In order to assist the college with the financial planning issues associated with the implementation of the Facilities Master Plan, the following cost summary was developed. The summary is organized into three (3) sets of priorities, and it is important to recognize that since the project scope has not been completely defined as part of this planning process, the project costs identified represent rough orders of magnitude only and are based on 2013 estimated construction costs. These project costs include all anticipated hard construction costs, contingencies, architectural/engineering fees, and furnishings/equipment costs.

Within each of the priority groupings, the projects have been prioritized with respect to the other projects within the same grouping. These priorities are based on the programmatic needs identified by the college as well as the overall logistics required to implement the individual projects. For example, the new Arts Instructional Center will need to be constructed at the Quad Cities Campus prior to the development of Building 4 into the Student Center so that the existing art and music spaces within Building 4 have somewhere to go prior to moving them out.

As time goes on and projects are implemented beyond 2013, it will be important to include an escalation factor to reflect current costs at that time.

Quad Cities Campus

Priority A (Projects Previously Funded)		Estimated Cost
A1	Phase 1 Student Housing	By Developer
A2	New Health Sciences Center	$15,000,000
A3	Library Renovations, including New Elevator	$ 2,616,000
A4	Relocate IT Help Desk from Building 2 to Old Bookstore	$ 402,400

Priority B (Short-Term: 2 to 7 years)		Estimated Cost
B1	Renovate Building 3: Athletics, Fitness, Classrooms, Offices	$17,546,000
B2	Relocate Softball Field / Expand East Parking Lot	$ 1,440,000
B3	New Workforce Development Center	$19,300,000
B4	Renovate Building 2: Classrooms, Science Labs, Offices	$ 7,952,000

Priority C (On-Going Priorities)		Estimated Cost
C1	Convert Vehicular Circulation to Pedestrian Circulation	$ 2,010,000
C2	New Arts Instructional Center	$30,500,000
C3	Convert Building 4 into Student Center	$ 8,072,800
C4	New Classroom / Administration Addition to Building 1	$ 6,701,800
C5	Relocate Marketing / International Studies	$ 688,000
C6	Relocate IT from Balcony to Vacated Marketing / Foundation	$ 358,400
C7	Relocate HR to Balcony / Upgrade Finance Offices	$ 652,000
C8	Renovate Student Success Center	$ 1,663,200
C9	New Facilities / Storage Building	$ 2,620,000
C10	Phase 2 Student Housing	By Developer

Quad Cities Campus

Priority	Project	Sitework	New Construction		Renovations		Estimated Construction Cost	Contingency & Fees @ 20%	Furnishings & Equipment	Total Estimated Project Cost
		Cost	Area (SF)	Cost/SF	Area (SF)	Cost/SF				
A1	New Phase 1 Student Housing	By Developer								
A2	New Health Sciences Center	$875,000	47,500	$236			$12,085,000	$2,417,000	$500,000	$15,002,000
A3	Library Renovations (including new elevator)				16,800	$100	$1,680,000	$336,000	$600,000	$2,616,000
A4	Relocate IT Help Desk from Building 2 to old Bookstore				3,150	$80	$252,000	$50,400	$100,000	$402,400
B1	Renovate Building 3: Athletics, Fitness, Classrooms, Offices, & Police	$100,000	14,300	$250	58,500	$180	$14,205,000	$2,841,000	$500,000	$17,546,000
B2	Relocate Softball Field & Expand East Parking Lot	$1,200,000					$1,200,000	$240,000		$1,440,000
B3	New Workforce Development Center	$1,263,700	39,700	$336.00			$14,602,900	$2,920,600	$1,762,900	$19,286,400
B4	Renovate Building 2: Classrooms, Science Labs, & Offices				32,300	$200	$6,460,000	$1,292,000	$200,000	$7,952,000
C1	Convert Vehicular Circulation to Pedestrian Circulation / Loading Dock*	$1,000,000	1,500	$450			$1,675,000	$335,000		$2,010,000
C2	New Arts Instructional Center	$1,600,000	60,000	$390	0	$0	$25,000,000	$5,000,000	$500,000	$30,500,000
C3	Convert Building 4 into Student Center	$150,000			33,300	$180	$6,144,000	$1,228,800	$700,000	$8,072,800
C4	New Classroom / Administration Addition to Building 1	$400,000	15,700	$295	2,200	$100	$5,251,500	$1,050,300	$400,000	$6,701,800
C5	Relocate Marketing and International Studies Offices	$50,000			4,400	$100	$490,000	$98,000	$100,000	$688,000
C6	Relocate IT Offices from Balcony to Vacated Marketing / Foundation				2,900	$80	$232,000	$46,400	$80,000	$358,400
C7	Relocate Human Resources to Balcony / Expand Finance Offices				4,600	$100	$460,000	$92,000	$100,000	$652,000
C8	Renovate Student Success Center				14,200	$80	$1,136,000	$227,200	$300,000	$1,663,200
C9	New Facilities / Storage Building	$300,000	10,000	$180			$2,100,000	$420,000	$100,000	$2,620,000
C10	Phase 2 Student Housing	By Developer								

East Campus

Priority A (Projects Previously Funded)		Estimated Cost
A1	New Welding Lab at the CEC	$ 4,080,000

Priority B (Short-Term: 2 to 7 years)		Estimated Cost
B1	Ring Road Extension and West Parking Areas	$ 1,440,000
B2	New Vet Tech Center / Animal Science Center	$ 9,092,000
B3	New Student Housing	By Developer
B4	New Ag / Auto Mechanics / Facilities Building	$10,220,000
B5	Convert Ag / Auto Mechanics Building into Fitness Center	$ 2,740,000

Priority C (On-Going Priorities)		Estimated Cost
C1	New Classroom Building	$15,080,000
C2	Demo Temp. Buildings / New Stables / East Parking Areas	$ 7,948,000
C3	New Student Center	$17,077,000
C4	New Entry at Building A	$ 1,072,800
C5	Development of Campus Green	$ 1,440,000

East Campus

Priority	Project	Sitework	New Construction		Renovations		Estimated Construction Cost	Contingency & Fees @ 20%	Furnishings & Equipment	Total Estimated Project Cost
		Cost	Area (SF)	Cost/SF	Area (SF)	Cost/SF				
A1	New Welding Lab at the Community Education Center (CEC)	$350,000	14,000	$200			$3,150,000	$630,000	$300,000	$4,080,000
B1	Ring Road Extension and West Parking Areas	$1,200,000					$1,200,000	$240,000		$1,440,000
B2	New Vet Tech Center / Animal Science Building	$1,000,000	28,000	$220			$7,160,000	$1,432,000	$500,000	$9,092,000
B3	New Student Housing	By Developer								
B4	New Ag/Auto Mechanics Building and Facilities Building	$500,000	38,000	$200			$8,100,000	$1,620,000	$500,000	$10,220,000
B5	Convert Ag/Auto Mechanics Building into New Fitness Center	$300,000			10,000	$190	$2,200,000	$440,000	$100,000	$2,740,000
C1	New Classroom Building	$1,000,000	40,600	$250	6,000	$125	$11,900,000	$2,380,000	$800,000	$15,080,000
C2	Demolish Temporary Buildings / New Stables / New East Parking Area	$1,200,000	28,000	$180	1	$300,000	$6,540,000	$1,308,000	$100,000	$7,948,000
C3	New Student Center	$800,000	48,000	$250	8,500	$85	$13,522,500	$2,704,500	$850,000	$17,077,000
C4	New Entry at Building A	$200,000	1,200	$495	1,000	$100	$894,000	$178,800		$1,072,800
C5	Development of the Campus Green	$1,200,000					$1,200,000	$240,000		$1,440,000

DEMONICA KEMPER ARCHITECTS

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