UNIVERSITY OF SASKATCHEWAN

ATHLETICS & RECREATION FACILITIES MASTER PLAN

FINAL REPORT JUNE 2017

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1.0 INTRODUCTION

1.1 INTRODUCTION

Universities play a critical role in fostering physical, social and mental well-being for students, faculty, staff and even the wider community. The University of Saskatchewan's Athletics and Recreation Facilities Master Plan outlines a vision, key initiatives and capital investments for on-campus open spaces and athletics and recreational facilities for the long-term.

1.1.1 INTRODUCTION

The University of Saskatchewan is planning for the future development of recreational and athletics facilities on campus. These facilities include purpose built spaces like the Physical Activity Complex, Griffiths Stadium in PotashCorp Park and outdoor sports fields, as well as more informal outdoor social, gathering and recreational spaces, such as The Bowl and the Undergraduate Residence Quad.

Universities around North America are emerging as leaders in encouraging physical activity that is fun, creates social connection and is a part of every day life. Investment in innovative facilities and appealing spaces contributes to athlete development and promotes student and faculty recruitment. More broadly, there is also growing recognition that physical activity and the opportunity for social connection plays an important role in emotional well-being and mental health, issues that are gaining increasing attention on campuses around the world.

The role of this Athletics and Recreation Facilities Master Plan is to guide investments in open spaces, athletics facilities, circulation networks and social spaces over the long-term to create a strong and healthy university community.

This Master Plan document is divided into four chapters.

1.0 **INTRODUCTION:** Master Plan Introduction.

2.0 **ANALYSIS OF OPPORTUNITIES AND CONSTRAINTS:** A summary of existing plans, consultation findings, existing building conditions and precedent research.

3.0 **ATHLETICS AND RECREATION FACILITIES MASTER PLAN:** An overview of the Master Plan, As well as detailed recommendations, costing and phasing.

4.0 **IMPLEMENTATION:** A summary of implementation considerations, costing and phasing recommendations, and next steps.

1.1.2 STUDY TIMELINE

In the winter of 2014, background research and initial consultations were undertaken related to planning for recreation facilities in College Quarter. This research recognized several issues, including the impact of future redevelopment within College Quarter on existing recreational facilities and the potential to add new facilities. However, it was identified that a broader study considering campus-wide recreational uses would be beneficial. This broader study was initiated in early 2016.

Additional background research and analysis, on-campus consultation and a review of existing conditions was undertaken from February to June, 2016.

Development of the Master Plan and implementation recommendations took place between July and September, 2016.

Recommendations contained within this document will be implemented over a long period of time, with recommendations identified for immediate implementation (0 - 3 years), or implementation within the short-term (3 -10 years), medium-term (10 - 18 years), or long-term (18 - 25 years).

2.0 ANALYSIS OF OPPORTUNITIES AND CONSTRAINTS

2.1 EXISTING UNIVERSITY MASTER PLANS

Planning for new facilities on-campus is guided by a number of existing plans, including the Core Area Master Plan, Vision 2057: Land Use Planning and the College Quarter Master Plan. These plans are taken into account in the development of the Athletics and Recreation Master Plan.

Many key recommendations from existing campus plans have influenced the development of the Athletics and Recreation Facilities Master Plan.

1. Core Area Master Plan, 2003

The Core Area Master Plan identifies the importance of existing open spaces as an organizing framework for campus development, and recommends better integration of the north campus, the river edge and Meewasin Trail with the rest of campus.

The age of this document means that a great deal of evolution regarding campus needs and planning has taken place since its development, however many of its underlying principles and key concepts remain relevant. For example, in the north campus, this plan envisions retention of playing fields near the Education Building, with better connections to the Meewasin Trail and a new Quad creating a more formal public open space in this area.

The plan also recognizes the potential of College Quarter as an Athletics Precinct, with playing fields and a new Ice Facility. The plan for this area was further refined and updated though the College Quarter Master Plan.

2. Vision 2057: Land Use Planning, 2009

Vision 2057 recommends a strategy for future land use throughout campus, identifying Core Campus Lands, Core Agricultural Lands and Endowment Lands.

Most importantly for the Athletics and Recreation Facilities Master Plan, this document identifies a transition plan for agricultural uses within the southeastern quadrant of College Quarter, which the University is now undertaking. The consolidation of these agricultural uses within the Core Agricultural Lands creates the opportunity to redevelop College Quarter for a mix of uses including athletics and recreation.

3. College Quarter Master Plan, 2010

The College Quarter Master Plan identifies locations for new buildings as well as some recreational facilities, including the GreenWay and associated Quads. Redevelopment according to this master plan has impacts on existing and future recreation facilities in College Quarter. The Athletics and Recreation Facilities Master Plan recognizes these planned changes by seeking to identify new locations for displaced uses and supporting the implementation of the College Quarter Master Plan.

Changes taking place in College Quarter that are relevant to the Athletics and Recreation Master Plan include:

- Construction of the Undergraduate Residences replaced two outdoor grass fields (Field 1)
- The proposed Mixed-Use Village in the northwest corner of College Quarter will result in displacement of Fields 2, 3 and 4

Rendering of College Quarter, 2009

- The parcel of land to the east of the Stadium Parkade on the south side of College Drive is currently under redevelopment as a hotel, displacing what had been beach volleyball courts

The College Quarter Master Plan also identifies a potential future core campus building directly to the north of the Stadium Parkade connected to the parkade via a pedestrian bridge.

The impact of these changes on recreation facilities is addressed through the Athletics and Recreation Master Plan.

2.2 CONSULTATION SUMMARY

Consultation with students, faculty and staff provided information about facility usage, the perceived quality of existing facilities, and ideas about spaces or facilities that are missing from the current campus experience.

2.2.1 CONSULTATION EVENTS

Phase 1

In February and March 2014, initial consultations were undertaken specific to recreation facilities in College Quarter. This first phase of consultation included interviews with eight stakeholder groups, a public open house and an online survey.

Stakeholders interviewed in the first phase included the following groups:

- College of Kinesiology
- Campus Recreation
- Consumer Services
- University of Saskatchewan Students' Union (USSU)
- Graduate Student's Association
- Williams Building Users - USSU Daycare and Language Centre/Continuing Education
- City of Saskatoon, Recreation Department

The survey, available from February 18 to April 23, 2014, elicited 171 responses from students, faculty and staff, as well as members of neighbouring communities. Respondents were asked to comment on:

- The facilities they currently use in College Quarter
- Suggestions for improvements to existing facilities
- Suggestions for additional recreational spaces and activities in College Quarter
- Mechanisms to encourage activity at all times of the day and year

Phase 2

In March 2016, additional consultations took place related to athletics and recreation campus-wide. This second phase of consultation included stakeholder meetings, three Campus Visioning Stations and an online survey.

Meetings with key stakeholders, including the Steering Committee, the College of Kinesiology and Facilities Management, were held in March, May and August 2016.

Campus Visioning Stations were held on March 7 and 8, 2016 at the Physical Activity Complex, the Health Sciences Building and Place Riel. These Visioning Stations were facilitated by consultant team members and student volunteers and consisted of a table with materials located in a heavily trafficked public location. Participants stopped by for as long as they wanted to provide comments on the Athletics and Recreation Facilities Plan. Two posters were provided; one showing existing facilities and recreational spaces, and one showing ideas for potential new activities or spaces.

In total, approximately 125 people visited the Visioning Stations.

The Online Survey was available for completion from March 7 to April 1, 2016. In total, 240 students, faculty and staff completed the survey.

Campus Visioning Station, March, 2016

At both Visioning Stations and through the Online Survey, participants were asked to comment on:

- What spaces they currently use and like
- What spaces need improvement
- What new activities, facilities or spaces they would like to see on campus

2.2.2 SUMMARY OF FINDINGS

Findings in both consultation phases indicate that there is a wide variety of facilities and spaces that are well-used and appreciated by the campus community. However, responses identify issues with capacity and/or age of many facilities, as well as a desire for additional informal recreation and gathering spaces.

Key issues are grouped and summarized below.

Issue #1:Capacity of Fit Centre and Education Building Gym

- Most frequent comments related to limited capacity of the Fit Centre and lack of equipment and space
- Challenges with capacity are compounded by use of this facility by Huskie athletes for training
- Participants noted that this perceived lack of capacity causes some to seek memberships at other facilities or to avoid using the Fit Centre
- Some participants identified that the high volume of users, and use by groups of athletes, makes the Fit Centre feel intimidating for some users
- Desire to see open/public access of the Education Building facility, rather than restricted use for those with personal trainers only, to provide an alternative to the PAC
- Strong desire for a larger or additional facility, either for athletes only or open to all to help reduce the pressure on the Fit Centre
- A number of respondents mentioned a desire for women's only times or spaces within the PAC

Issue #2: Capacity of Physical Activity Complex (PAC) Class Space, Studios and Gyms

- Many comments noted that classes and studio rooms are crowded and get booked up quickly
- Many people would like more variety of classes and flexibility of hours - mid-morning, mid-afternoon and evening would

help to fit into diverse schedules
- Very frequent mention of need for yoga space
- Conflicts identified between different sports sharing gym times or displacement of open gym time for Huskie team practices

Issue #3: Improvements to Other Sports Facilities

- General desire for more indoor facilities (eg. domed turf fields, additional open gym times/spaces, etc.) for use year-round by athletic programs, intramurals and drop-in use
- A number of comments on the need for a new competition-level track
- Frequent mention of need for upgrades and improvement at Rutherford Rink, or construction of a new ice facility
- Some mentions of need for improved ice surface at Curling Rink
- Upgrades needed to showers and change rooms in Education Building facility

Issue #4: Variety of Informal Recreational Spaces

- Desire for more opportunity for informal recreation like outdoor fitness stations, drop-in sports, skating, cross-country skiing, tobogganing, seating areas, etc.
- Strong desire expressed for outdoor skating (with College Quarter often mentioned as a location) and other outdoor winter activities (eg. cross-country skiing, tobogganing)
- Strong appreciation of existing passive green spaces
- Desire for support facilities for walking/cycling/jogging (eg. showers in buildings, bike lanes on and to campus, upgrade bicycle repair stations, covered bike storage, heated shelter for winter outdoor activities)
- Desire for better utilization of the Residence Quad in College Quarter (CQ) - suggestions included beach volleyball, winter skating, etc.
- Multiple mentions of a desire for beach volleyball courts
- Desire for improved maintenance and condition of outdoor grass fields
- Network of outdoor pathways highly valued for walking and cycling, and network of indoor tunnels and pathways is highly valued for recreation, especially in winter
- Desire for more information about recommended routes (along with distances) for recreational use on campus
- Desire for additional seating and gathering areas with tables and benches outdoors

Issue #5: Awareness, Management and Support

- Desire for dispersed recreational facilities in various locations, especially near residences and the Health Sciences area - many respondents noted that this would help more people access facilities
- Need to balance accessibility of facilities with ability to manage and staff locations
- Explore opportunities for shared support facilities and amenity buildings for recreational uses in College Quarter
- Desire for additional information about class times, organized leagues, 'learn-to' opportunities, spaces available for public/general usage, booking opportunities, etc.
- Cost of activities is a barrier to some, particularly mentioned by staff

2.3 EXISTING CONDITIONS

The University of Saskatchewan campus offers a wide range of recreational spaces, open spaces and athletics facilities for use by students, faculty and staff year-round. Though many spaces and facilities are in good condition, requiring routine ongoing maintenance, others require more serious consideration of their long-term use and programming.

2.3.1 FACILITY CONDITIONS ASSESSMENTS

The following sections summarize existing conditions for the following major athletics facilities on campus:

- Physical Activity Complex (PAC)
- Education Building
- Griffiths Stadium in PotashCorp Park Team House and West Stadium Stands
- Williams Building

The facility conditions assessments consisted of a review of information gathered from several sources.

1. Reviewed facility conditions assessments completed by Stantec Consultants for the:
    - Physical Activity Complex (2013)
    - Education Building (2012)
    - Griffiths Stadium in PotashCorp Park Team House and West Stadium Stands (2005)
    - Williams Building (2012)

    The Stantec facility conditions assessments were used as the base information for the facilities assessments, including backlog facilities conditions index numbers (FCI). FCI is a relative indicator of a facilities condition calculated by dividing the backlog deferred maintenance and repair cost by the assumed replacement value of the facility.
2. Toured and documented athletics facilities with University of Saskatchewan staff, including Facilities Management and the College of Kinesiology. Observations and documentation from the facilities tour was used to confirm and update information provided in the Stantec reports.
3. Reviewed Maintenance and Upgrades Report assembled by the College of Kinesiology for the Athletics and Recreation Overview Committee. The report provided athletics-specific information for items and costing not covered in the Stantec reports.
4. Reviewed athletics facilities deferred maintenance costs, provided by U of S Facilities Management. These numbers are used as the basis for facility deferred maintenance in the report.

At the time of this report, Rutherford Rink and the Curling Rink are planned to be demolished, as they have reached the end of their lifespan. A new Ice Facility has been approved for College Quarter to replace Rutherford Rink, including two ice pads, two full size basketball courts and ancillary services. A full description of programming and costs associated with this facility can be found in Section 3.2.

Legend

1. *Physical Activity Complex (PAC)*
2. *Education Building*
3. *Griffiths Stadium in PotashCorp Park - Teamhouse and West Stadium Stands*
4. *Williams Building*
5. *Rutherford Rink*
6. *Curling Rink*

2.3.3 PHYSICAL ACTIVITY COMPLEX (PAC)

The PAC building was built in 2003. An accessibility audit completed in 2004 and a building audit was completed in 2013.

Athletic Facilities

The PAC athletic facilities include three full gymnasiums (with three basketball, three volleyball or eight badminton courts), event seating for 2,426 spectators, an indoor non-competitive jog / walk track, a Jr Olympic salt water swimming pool, a 13,000 square foot fitness centre, a climbing wall, dance studio, squash / racquetball courts, gymnastics room, sport health clinic and change rooms with yearly / daily rent lockers.

Athletic Facilities Planned Upgrades

Ongoing maintenance and upgrades have kept these facilities in good shape. Repairs and upgrades recommended by College of Kinesiology to be completed by 2025 include:

- Repairing a persistent moisture issue with the hardwood floor in the gymnasium
- Replacing the pool bulkhead
- Replacing tri-gym bleachers
- Replace tri-gym mercury halide lights with LED fixtures
- Replace deck and over pool lights to directional LED lights
- Replace public entrance locks with auto locking system
- Repair water damage to racket ball / squash courts
- Upgrades to locker rooms

The minimum approximate total cost of these upgrades over the next ten years is $3,257,500. See Table 2.

Maintenance and Repairs

Ongoing building repairs and maintenance over the next 23 years (to 2039), as recommended in the Stantec Building Facilities Condition Report from 2013 include:

- Replace gym lighting
- Replace motor control centers
- Replace roof coverings
- Replace exterior building lighting
- Replace emergency power systems
- Replace ceramic tile flooring
- Replace wood flooring
- Replace interior fittings
- Replace hot water distribution
- Replace air handling equipment
- Replace exterior windows
- Replace sanitary waste system

The total approximate cost of recommended upgrades, maintenance and replacements over a 25 year span is $42,943,064 (2013 dollars). This total includes all elements of the building, including non-athletic facilities. See Table 3.

PAC Athletic Facility Usage

A tour of the PAC and interviews with the College of Kinesiology revealed that the PAC facilities are at or exceeding capacity.

- The tri-gym is fully scheduled and the use of the gym for writing exams occupies two of three gyms during exam periods and causes great disturbance as there is no replacement facility.
- The multipurpose room is used primarily as a gymnastics room. The multipurpose room is not rented to non-University users, as there is too much equipment that must remain in the room.
- The 200m indoor track is well used, however cannot be used during exams or varsity games.
- The saltwater Jr. Olympic pool is fully scheduled. The new UV sanitation system has been successful and enabled the University to extend the complete refresh of the pool water from every 2 years to potentially 5-8 years.
- The dance studio is well used, and can be used as a multi-purpose room.
- The climbing wall is in good condition and is well used.
- The fitness centre is overcrowded and lacks adequate space and natural light for the diverse activities supported.

Backlog Facilities Condition Index (FCI)

The Backlog FCI for this building is 0.37%. Estimated replacement value for this facility is between $62 million and $73 million.

2.3.4 EDUCATION BUILDING

The Education Building was built in 1970. There have been two building condition reports completed, in 2004 and 2012, and an accessibility audit completed in 2004.

Athletic Facilities

The Education Building athletic facilities include a full gymnasium, a small gymnasium, a squash court, a high performance centre (HPC), a salt water pool, 6 tennis courts and grass fields 9,10, and 11.

Athletic Facilities Planned Upgrades

Ongoing maintenance and upgrades have kept the athletic facilities in adequate to good shape. Repairs and upgrades recommended by College of Kinesiology to be completed by 2018 include:

- Replacing the ceiling mounted hoops in the gym with automated adjustable hoops
- Replacing the fixed windows in the HPC with operable windows to provide more air circulation from the gym
- Replacing HPC fluorescent ballast lights with LED fixtures
- Resurfacing of the tennis courts, and installing new net posts
- Replacing all above water and deck lights with directional LED fixtures
- Resurface squash court floor

The minimum approximate cost of the athletic facilities upgrades over the next two years (to 2018) is $182,500. See Table 2.

Maintenance and Repairs

Ongoing building repairs and maintenance over the next 25 years (to 2041), as recommended in the Stantec Building Facilities Condition Report from 2012 include:

- Replace the domestic water distribution
- Replace the domestic hot water distribution
- Replace sanitary waste system
- Replace air handling and air distribution equipment
- Replace resilient flooring, replace ceramic tile flooring
- Replace acoustic ceiling tile and panels
- Replace all lighting fixtures
- Replace LAN network
- Replace roof construction and coverings
- Replace exterior wall system (except for cladding)

The total cost of the recommended upgrades, maintenance and replacements over the 25 year span is just under $100,000,000 (2012 dollars).

This total includes all elements of the building, including non-athletic facilities. See Table 3.

Athletic Facility Usage

A tour of the Education Building and interviews with the College of Kinesiology revealed that the athletics facilities are at or exceeding capacity.

- The large gym is fully scheduled and the use of the gym for writing exams causes great disturbance as there is no replacement facility.
- The small gym is used primarily for wrestling, however, because it is also booked as a multi-purpose space (yoga, karate, social activities) the wrestling team must frequently remove and reset their mats and equipment at great inconvenience. Ideally, the wrestling team would have a dedicated space to leave their equipment set up, in which case the small gym could be used as a true multi-purpose athletics room.
- The squash court is fully booked, however not always for its intended use. The squash court is used for other activities such as karate and yoga, indicating that additional multi-purpose spaces are required.
- The high performance center has been a successful addition to the education building. Since it requires being accompanied by a trainer to gain access, its usage is likely lower than if the center were open to all students. Opening the space to more campus-wide usage would require a certified staff member to supervise.
- The pool is in good condition and is used regularly.

Backlog Facilities Condition Index (FCI)

The Backlog FCI for this building is 8.74%. Estimated replacement value for this facility, including non athletic spaces is between $91 million and $108 million.

2.3.5 GRIFFITHS STADIUM IN POTASHCORP PARK - WEST STADIUM STANDS AND TEAMHOUSE

The Griffiths Stadium Teamhouse was constructed in 1962. The Griffiths West Stadium Stands were constructed between 1967-1970. A full audit of the stands was completed in 2005.

Athletic Facilities

Griffiths Stadium in PotashCorp Park facilities include: artificial turf field (football), 400m all-weather track, event seating for 6,000, change rooms, washrooms, storage rooms and concessions.

The Graham Huskies Clubhouse, including a training centre, changerooms, office space and meeting rooms, was built in 2006 and expanded in 2011, and is excluded from this summary.

Athletic Facilities Planned Upgrades & New Initiatives

Griffiths Stadium in PotashCorp Park has a number of facilities that are in need of replacement or repair. Repairs and upgrades recommended by College of Kinesiology to be completed by 2025 include:

- Replacing the artificial turf field which is at the end of its lifecycle.
- The track is at the end of its life cycle. It should either be removed or replaced.
- The west stadium stands and associated amenity spaces need to be replaced.
- Stadium score clock and video screen need to be replaced.
- A larger events area for special events (Huskie Rally Alley) with adequate power for concerts is needed.
- There is a need for a new artificial turf field to replace fields 3 & 4 that is designed for both football and soccer, with lighting spectator seating, a sound system and press box.

The minimum approximate cost of the desired athletic facilities upgrades and new initiatives is $14,250,000. over the next ten years. See Table 2.

Deferred Maintenance and Repairs

Ongoing building repairs and maintenance over the next 19 years (to 2024), as recommended in the Stantec Building Facilities Condition Report from 2005 include:

- Replace domestic water distribution
- Replace roof coverings
- Replace center cast in place bleacher stands
- Replace lighting fixtures
- Replace sanitary waste systems
- Replace branch circuit panels
- Replace plumbing fixtures

The total cost of recommended upgrades, maintenance and replacements is $1,099,072 (2005 dollars) for the teamhouse over a 17 year span, and $2,284,675 (2005 dollars) for the west stadium stands over a 9 year span. As the backlog FCI is indicates, it is likely that this building will be replaced as opposed to maintained. See Table 3.

Griffiths Stadium Athletic Facility Usage

A tour of Griffiths Stadium in PotashCorp Park and interviews with the College of Kinesiology revealed that the Griffiths Stadium facility is very well used and is in need of major immediate upgrades.

- The artificial turf needs to be replaced, and there is an opportunity to make it a multisport artificial turf field (football and soccer).
- It has been recommended that the track that surrounds the field be removed, as it is beyond repair.
- The west stands and amenity spaces are well used, but at the end of their lifecycle.
- The Stadium Teamhouse (visitor's changerooms and concession) is old and requires many upgrades, though, functionally, it suits the current programming. The concession room is in need of major upgrades. While the Stadium Teamhouse is functional, it is debatable whether the cost of ongoing upgrades and maintenance might be better spent on a new facility.

Backlog Facilities Condition Index (FCI)

The Backlog FCI for the Teamhouse is 61.7%. Estimated replacement value for this facility is between $1.4 million and $1.6 million.

The Backlog FCI for the West Stands is 36.267%. Estimated replacement value for this facility is between $7.5 million and $8.0 million.

2.3.6 WILLIAMS BUILDING

The Williams building was built in 1932. The North Wing was added in 1976 and the gymnasium wing was added in 1986. The building was used in 1995 to house the College of Kinesiology during the construction of the PAC. An in-house building assessment was completed in 2004 and a building audit was completed in 2012.

Athletic Facilities

The Williams Building athletic facilities include a gymnasium and three dance studios. The facilities are not programmed by the College of Kinesiology.

Athletic Facilities Planned Upgrades

The athletic facilities in the Williams Building are in adequate condition, but like the rest of the building, require repair and upgrades. In its Maintenance and Upgrades Report, the College of Kinesiology did not identify any athletic facility repairs or upgrades. However, during a tour of the building with Facilities Management, several upgrades and repairs were noted by staff. For example, repairs to the dance studio floors are needed and repairs to the gym baseboards, walls, and ceiling are required. It was also noted that there are plans to join two of the dance studios together to form a larger studio. See Table 2.

Deferred Maintenance and Repairs

Ongoing building repairs and maintenance over the next 26 years (to 2038), as recommended in the Stantec Building Facilities Condition Report from 2012 include:

- Replace exterior walls
- Replace terrazzo flooring
- Replace hot water distribution
- Replace air distribution
- Replace fire alarm systems and sprinklers
- Replace lighting fixtures
- Replace resilient flooring

The total cost of recommended upgrades, maintenance and replacements over a 25 year span is $17,000,000 (2012 dollars). This includes athletic and non athletic facilities.

Williams Building Athletic Facility Usage

A tour of the Williams Building and interviews with the College of Kinesiology revealed that the Williams Building facilities, specifically the gym, could be used to alleviate some of the usage conflicts in the small gym in the Education Building. Specifically, if an agreement could be made to allow the Williams Building Gym to be used as a dedicated wrestling facility, the small gym in the Education Building could be used more easily as a multi-purpose room. Existing uses of this facility would have to be accommodated as well. See Table 3.

Backlog Facilities Condition Index (FCI)

The Backlog FCI for the Williams Building is 4.85%. Estimated replacement value for this facility is between $30 million and $40 million.

2.3.7 OUTDOOR SPACE CONDITIONS

The University of Saskatchewan sits on 1,865 acres in the centre of Saskatoon. This large land base includes academic and administration buildings, student residences, commercial developments on leased land and agricultural plots used for research and associated activities.

The campus is connected by a diverse range of outdoor spaces that connect destinations on campus to each other and to external destinations. The location of the campus in the centre of the City means that these outdoor spaces serve both campus users and the wider community.

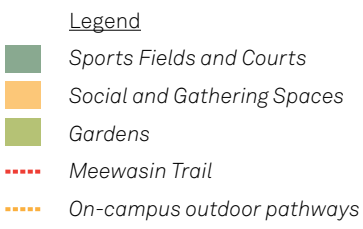
There are several types of outdoor spaces on campus:

- Sports Fields and Courts - includes soccer and football fields, a track and field throws area, tennis courts, and a baseball diamond. These spaces are used for informal or formal recreation and sports activities.
- Social and Gathering Spaces - includes the Bowl, the Engineering Quad, the Undergraduate Residence Quad and others. In general, these spaces are primarily unprogrammed, consisting of green space that is occasionally used for events.
- Gardens - includes the Sculpture Garden, Patterson Gardens Arboretum and two community gardens. These spaces are accessible to the public for walking and/or gardening.
- Recreational Trails and Pathways - includes the Meewasin Trail, the Greenway, sidewalks and paths throughout campus.
- Fragmented Open Spaces - there is a significant amount of fragmented open space, found between buildings and alongside roads and pathways, which is used primarily for moving through campus.

Outdoor Spaces on Campus

Numbers below correspond with numbers on the image opposite.

1. Turf Fields
   - 9 fields in total - seasonal use only
   - 1 field within Griffiths Stadium in PotashCorp Park
   - 3 fields near Education Gym
   - 2 competition fields in College Quarter
   - 3 fields in College Quarter to be relocated with redevelopment of the Mixed-Use Village
2. Tennis Courts
   - 6 courts
   - Seasonal use only
3. Throws and Jumps Area
4. Baseball Diamond
5. The Bowl & Nobel Plaza
6. Undergraduate Residence Quad
7. PotashCorp Plaza
8. Plaza / Skating Rink at Innovation Place
9. Palliser Garden
10. Community Gardens
11. Sculpture Garden
12. Patterson Gardens Arboretum

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2.4 PRECEDENT RESEARCH

Universities across North America are seeking to innovate in the design of recreational and social spaces to provide students, faculty and staff with a healthy and engaging campus experience.

2.4.1 ON-CAMPUS TRENDS AFFECTING RECREATIONAL SPACE NEEDS

A number of trends affecting post-secondary institutions across North America similarly impact planning for recreational space needs at the University of Saskatchewan.

Physical Space Allocation and Growth

The University of Saskatchewan provides a wide range of recreational and athletics facilities for its campus community, in excess of industry recommendations for space allocation.[1,2] Satisfaction with these facilities is also good, with surveys of both applicants and current students consistently reflecting positive attitudes about the quality of the University's athletic and recreational facilities.

Though the University has a higher than average amount of total athletics space per student, some key facilities restrict use to particular user groups or are only available during part of the year, limiting the actual amount of usable space available. In addition, students, faculty and staff report that capacity is limited in the most heavily used facilities, like the Fit Centre, which will intensify as the campus population grows if the amount of space available remains static.

As with many other Universities, some of the major athletics facilities are aging, with increasing deferred maintenance costs over time. As a result, the University will face decisions in the coming years about whether to continue to maintain older facilities or to replace them.

Demographic Trends

For many years, universities across Canada have been experiencing higher female student enrollment than male enrollment. For example, in 2015, 57% of the students at the University of Saskatchewan were female. At the same time, the student body has become increasingly culturally diverse. As a result, growing numbers of institutions, like the University of Calgary, University of Toronto, Ryerson University, and the University of Manitoba, have begun to offer women-only spaces, classes or gym times. Indeed, consultation on-campus at the University of Saskatchewan revealed a desire from some students for similar efforts, with a number of participants noting that they feel intimidated or uncomfortable using the gym when it is busy or heavily used by varsity athletic teams.

Footnotes

1 Inventory of Physical Facilities of Ontario Universities 2013-2014, Council of Ontario Universities, May 2015, http://cou.on.ca/wp-content/uploads/2015/05/COU-Inventory-of-Physical-Facilities-of-Ontario-Universities-2013-14.pdf

2 Space Standards Review: College, University College and Institute System, The RPG Partnership, June, 2000, http://www.aved.gov.bc.ca/cppm/documents/space.pdf

Indigenous Gathering Place at Capilano University, North Vancouver

Indigenous Place-Making

There are growing numbers of Indigenous students enrolling at post-secondary institutions across Canada. With the largest largest absolute and relative self-declared Indigenous student population in Canada, the University of Saskatchewan has articulated clear objectives to attract, retain and support Indigenous students on-campus. As a result, this is a critical time to take advantage of the opportunity to support this mission through the design of recreational spaces and programming.

The University of Saskatchewan is already a leader in some ways, offering fitness programs that draw on Indigenous cultural traditions, like the Pow-Fit class. Other universities and colleges are also seeking to reflect the culture and identity of their Indigenous, students, faculty and staff in the design of outdoor recreational and gathering spaces. These spaces can both increase the visibility of Indigenous culture on-campus and offer a place where the whole campus community can take part in cultural events and social activities.

Design Trends

Faced with aging facilities and increasing capacity constraints, many post-secondary institutions throughout North America are making significant investments in athletics and recreational spaces. This investment also reflects a growing recognition of the need to promote well-being on-campus in a holistic sense. Many universities are developing programs and facilities that support students, faculty and staff with mental and physical health, from exercise and healthy eating to efforts to foster social connectivity. The design of physical spaces to support this programming has become a priority for many campuses, with institutions making major investments in new athletics facilities, open spaces and circulation networks.

A common characteristic of many new indoor facilities is a design approach that emphasizes transparency and an abundance of natural light through expansive glazing. This provides users with both sunlight and views to the outdoors, but also allows visitors to see into the facility and experience the energy of the campus as a passer-by. These facilities often become emblematic of an institution's campus culture and are key to conveying a commitment to student life, healthy living and social engagement. It is not surprising that they become a key feature of recruitment and marketing materials and also influence university rankings.

Another key global trend that is transforming the fabric of post-secondary institutions is the injection of a network of highly visible, creatively conceived spaces that blur the lines between recreation, social engagement and collaboration. Courtyards and Quads that were formerly neutral, unprogrammed spaces are now becoming highly animated outdoor social spaces with areas for seating, studying and eating and games.

Some of these trends are described in the following sections through case studies of other institutions.

Top Row: Harvard University
Bottom Row: Mohawk College (left);
University of Toronto (right)

2.4.2 PRECEDENT INSTITUTION #1: HARVARD UNIVERSITY, CAMBRIDGE MASSACHUSETTS

In 2009, Harvard University launched its "Common Spaces" program. This program focuses on investment in indoor and outdoor social spaces that promote gathering as a way to enhance the vitality of campus life and promote a greater sense of community.

Through this program, Harvard Yard now features flexible seating with tables and chairs on an open lawn, which are used for studying, gathering, games and events.

The Plaza is a new flexible space created on a tunnel overpass. It offers new landscaping and seating consisting of multi-functional concrete walls and wooden benches, a performance space and evening lighting. The Plaza is used for events all year round, including food truck events, a farmer's market and concerts. In the winter, it hosts a winter skating rink, outdoor curling lanes on painted plywood and fire pits.

Food trucks and a concert in Harvard Yard

The Plaza (Stoss)

Clockwise From Top Left: Outdoor Curling; The Plaza; Harvard Yard; Harvard Skate (all from Harvard Campus Services flickr stream)

2.4.3 PRECEDENT INSTITUTION #2: MOHAWK COLLEGE, HAMILTON ONTARIO

The 64,000 square foot David Braley Athletic and Recreation Centre (DBARC) at Mohawk College was completed in 2007. It includes three gymnasiums, a fitness centre, multi-purpose studio and an indoor track. The facility also includes a juice bar, outdoor basketball and beach volleyball courts, and common areas for socializing. It reflects the College's commitment to sustainability by achieving LEED Gold Certification.

Outside the DBARC is the newly completed Mohawk Students' Association Plaza, which features sustainability enhancements like permeable paving and a landscaped berm. This flexible space hosts student events and extended recreational programming associated with the DBARC. Its intent is to promote a growing culture of health, wellness and sustainability on campus.

More recently, Mohawk College has completed the Hoop Dance Aboriginal Gathering Place, designed in collaboration with local Elders and Indigenous students at Mohawk College. The project incorporates a traditional garden of sage, sweetgrass, cedar and tobacco, an outdoor pavilion structure, a fire circle, seating platforms and a water feature - all using natural materials and based on Indigenous place-making practices.

The Hoop Dance will be used for outdoor teaching, ceremonies and performances, and can also be used by students, faculty and staff for gathering and socializing on a day-to-day basis.

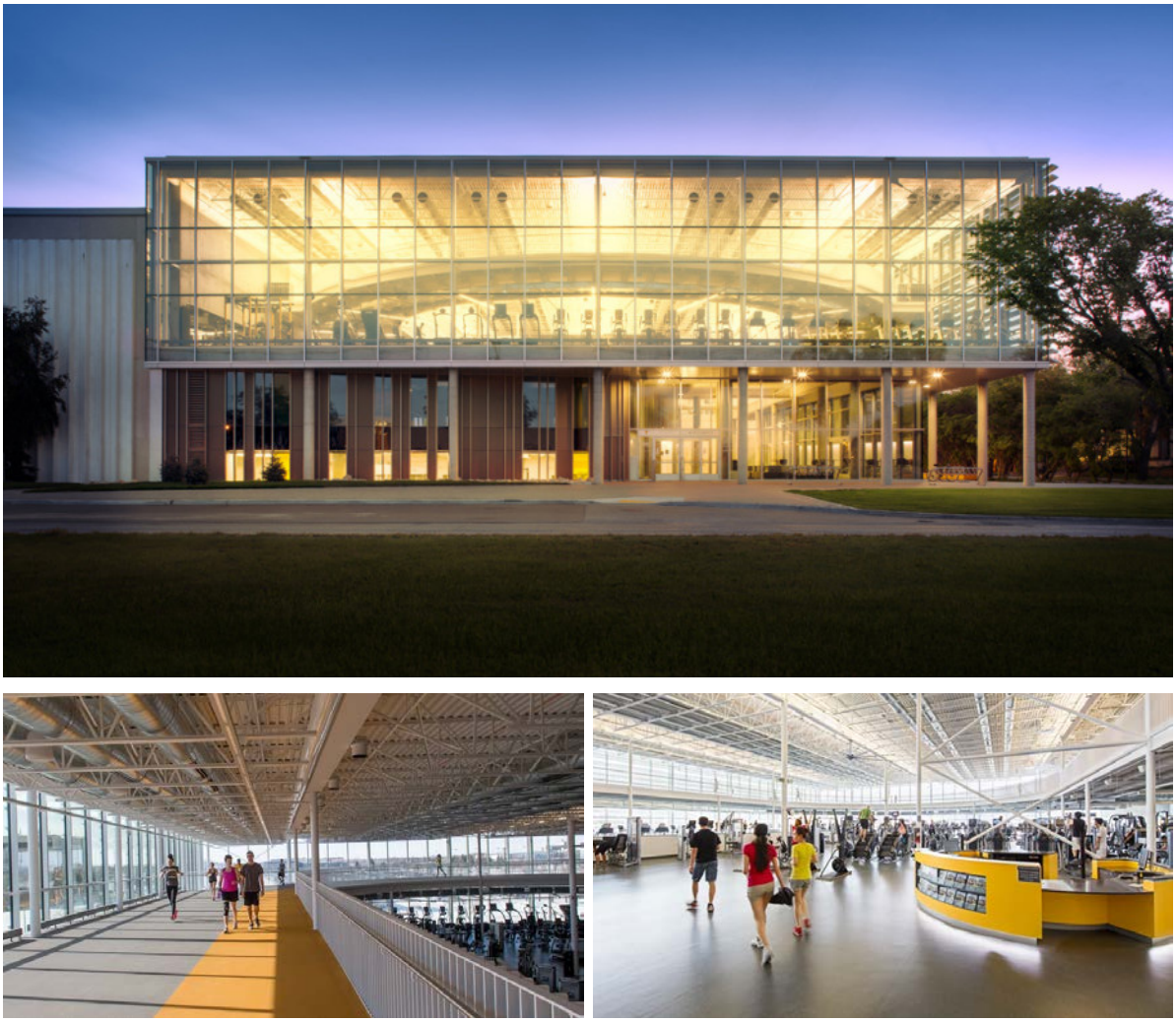
Hoop Dance Aboriginal Gathering Space
(Brook McIlroy)

David Braley Athletic and Recreation Centre (Perkins+Will)

Clockwise from top left: DBARC (Perkins+Will); MSA Plaza (Mohawk Matters); Events in MSA Plaza; Farmer's Market in MSA Plaza

2.4.4 PRECEDENT INSTITUTION #3: UNIVERSITY OF MANITOBA, WINNIPEG MANITOBA

The 9,300 square metre Active Living Centre at the University of Manitoba was completed in 2015. The building is an extension of the existing Frank Kennedy Recreation Centre, providing additional fitness and gym space for a growing student population. The facility focuses on transparency and engagement of the community in active, healthy living and well-being. Its highly visible location and award-winning design have also served to increase its prominence among the wider Winnipeg community.



Active Living Centre (all from Cibinel Architecture Ltd)

2.4.5 PRECEDENT INSTITUTION #4: OHIO STATE UNIVERSITY, COLUMBUS OHIO

Ohio State University, with a student population of approximately 65,000, boasts seven recreation and fitness facilities located throughout campus. These include the 45,000 square metre Recreation and Physical Activity Centre with two pools, an extensive weight and cardio area, gymnasium space, a track, golf and racquet sports courts; the 8,000 square metre Adventure Recreation Centre with two indoor turf fields, basketball and volleyball courts and batting cages; and the Outdoor Adventure Centre, featuring a prominent 400 square metre climbing centre, among other amenities.

Recreational facilities are spread out throughout the campus, providing more convenient access for all students to a wide range of recreation opportunities and experiences.

In part due to the variety and quality of facilities, as well as the relatively high square footage of recreational space per capita, Ohio State is consistently ranked among the top fittest colleges in the United States by various sources (eg. The Active Times, Men's Fitness, etc.).

From Top: Recreation and Physical Activity Centre (Moody Nolan Ltd); Adventure Recreation Centre; and Outdoor Adventure Centre

3.0 ATHLETICS AND RECREATION FACILITIES MASTER PLAN

3.1 OVERVIEW

The Athletics and Recreation Facilities Master Plan increases the capacity and diversity of recreational space, while distributing facilities throughout campus to make recreational amenities more accessible to all students, faculty and staff.

The Athletics and Recreation Facilities Master Plan focuses on the creation of three recreational hubs - in the central campus (around the PAC), in the south campus (College Quarter) and in the north campus (centered around the Education Building).

These areas will accommodate increased fitness, gymnasium and studio space, as well as outdoor athletics fields and recreational trails.

The Master Plan also integrates a strategy for outdoor gathering and social spaces that focuses on increasing flexibility of use, providing space for informal recreation and fostering social connections.

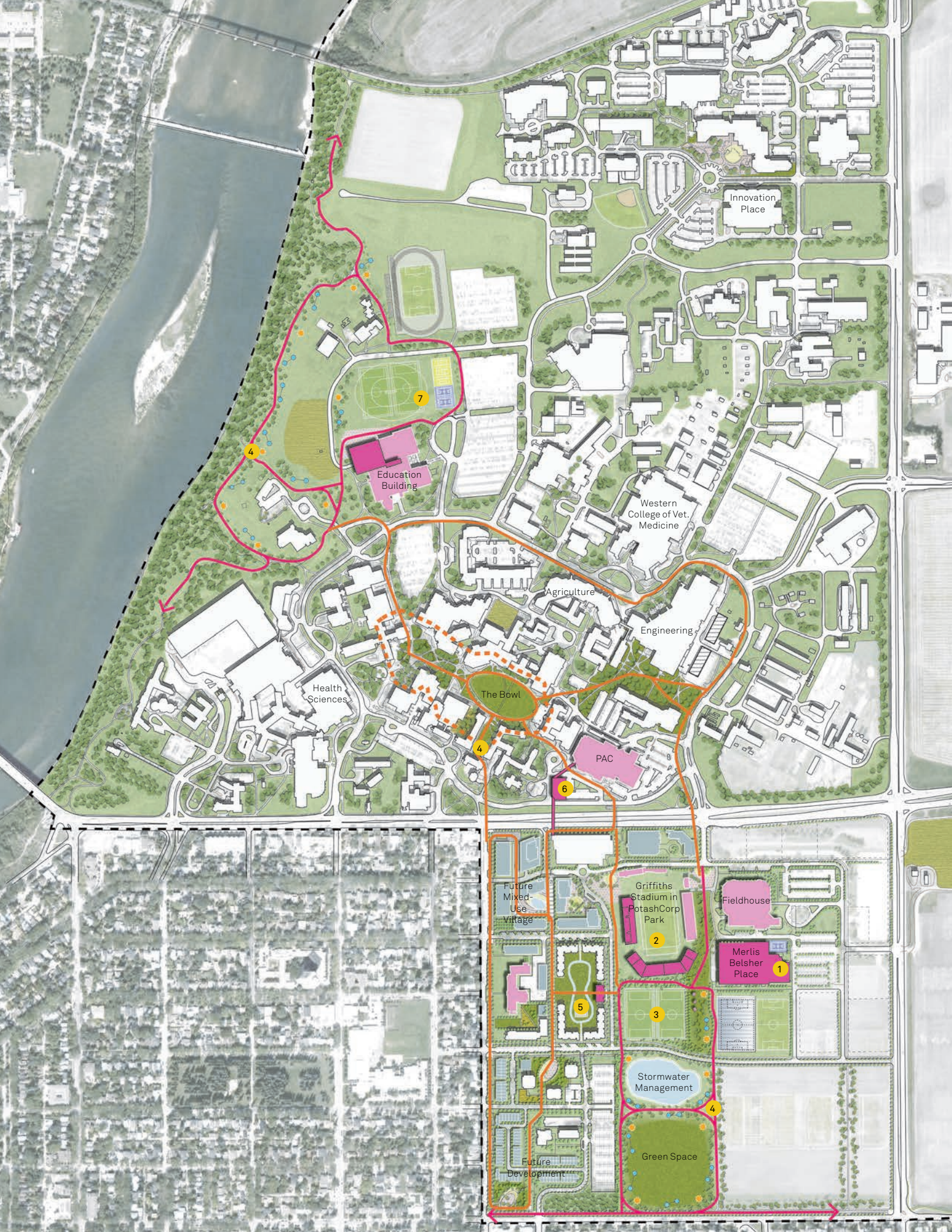
Each of the following key recommendations in the Master Plan is described in further detail in sections 3.2 to 3.9. Each recommendation is accompanied by a phasing plan and high level cost estimate to assist with implementation.

The phasing plan is organized as follows:

- Immediate recommendations - to be completed within 0-2 years
- Short-Term recommendations - to be completed within 3-10 years
- Medium-Term recommendations - to be completed within 11-17 years
- Long-Term recommendations - to be completed within 18-25 years

MASTER PLAN RECOMMENDATIONS

1. Construction of Merlis Belsher Place - Ice Facility in College Quarter
2. Enhancements to Griffiths Stadium in PotashCorp Park
3. New Outdoor Sports Facilities in College Quarter
4. Enhancements to Recreational Trails
5. Enhancements to Undergraduate Residence Quad
6. Physical Activity Centre (PAC) Expansion
7. Improvements to Education Fields and Building
8. Campus Life Activity Generators


Innovation Place
Education Building
Western College of Vet. Medicine
Agriculture
Engineering
Health Sciences
The Bowl
PAC
Future Mixed-Use Village
Griffiths Stadium in PotashCorp Park
Fieldhouse
Merlis Belsher Place
Stormwater Management
Green Space
Future Development
1
2
3
4
5
6
7

3.2 MERLIS BELSHER PLACE - ICE FACILITY IN COLLEGE QUARTER

A new Ice Facility with indoor gyms offers the opportunity to replace Rutherford Rink and reinforce the north east precinct of College Quarter as an athletics hub for the south campus.

A new Ice Facility in College Quarter, Merlis Belsher Place, has been approved by the University's Board of Governors and is currently in design development. The existing Rutherford Rink, built in 1929, has reached the end of its lifespan, and the University plans to remove the building. Construction of a new Ice Facility allows for the achievement of several objectives, including a new hockey and skating facility with improved spectator experience; new facilities for basketball; and provision of shared support facilities for outdoor recreational activities in College Quarter. This location also offers adequate parking for events, including bus parking.

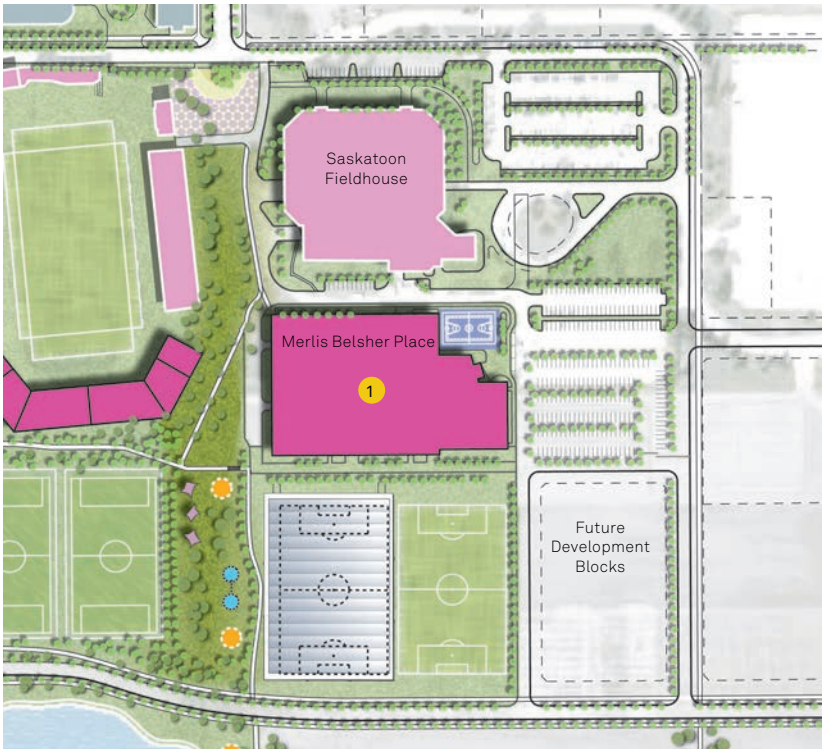
Though Merlis Belsher Place does not include curling, the University has decided to remove the Curling Rink without replacement because it relies upon the Ice Plant within Rutherford Rink and it has also reached the end of its lifespan.

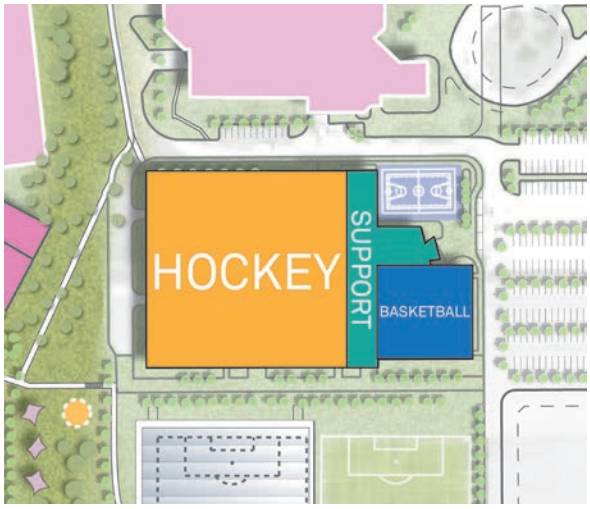
KEY INITIATIVES

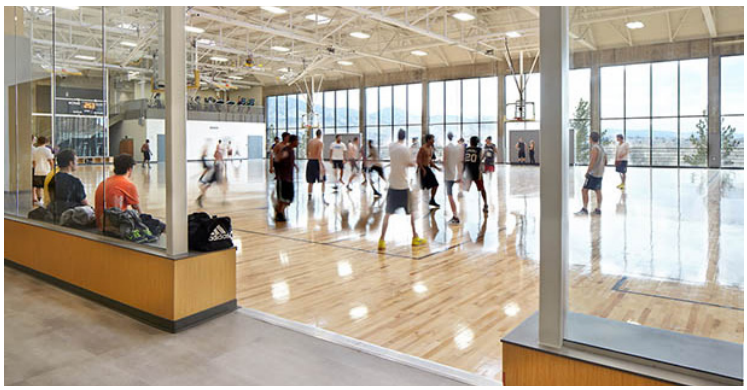
- Merlis Belsher Place - new 11,500 square metre multi-sport facility including:
  - Two ice surfaces and two full-size basketball courts
  - Potential spectator seating in main rink for 3,500
  - Sport science research facilities
  - Workout space for Huskie athletes
  - Ability to host approximately 4,000 at Convocation
- Outdoor plaza with multi-sport court at eastern entrance
- Support services like changerooms and washrooms can also be used by soccer and other outdoor sports in CQ
- Removal of Rutherford Rink and the Curling Rink

INITIATIVE

1. Construction of Merlis Belsher Place
   Phase: Immediate
   Cost Estimate: Not included in this scope (approximately $43 million)







Top Left: Diagram of Arena Building; Top Right: Pegula Ice Arena, Penn State; Bottom: University of Colorado Boulder

3.3 ENHANCEMENTS TO GRIFFITHS STADIUM IN POTASHCORP PARK

Enhancements to Griffiths Stadium in PotashCorp Park will support an upgraded playing surface for both football and soccer and an improved spectator experience.

Griffiths Stadium in PotashCorp Park is one of the most heavily used outdoor athletics facilities on campus, hosting football games throughout the season that can each attract up to 6,000 fans. However, significant elements, including the turf field, the track and the west stands, are in need of replacement. The Stadium Teamhouse also requires significant upgrades.

Replacing the turf field offers the opportunity to provide a better playing surface and accommodate both football and soccer. This initiative would also include removal of the track (with an opportunity for relocation to the north campus - see Section 3.8), allowing the field to be shifted closer to the east stands. New west stands can then be built closer to the field, with the longer-term opportunity for a set of new south stands that can integrate concessions, washrooms, and visitor changerooms, replacing the existing Teamhouse.

With a new road south from the Parkade along the western edge of Griffiths Stadium, there is an opportunity to expand and rejuvenate the PotashCorp Park Plaza.

There is also an opportunity for a new Indigenous Circle Plaza to the east of the stadium, with a gathering structure, hardscaping and electrical supply. This area can be used for events and gatherings celebrating Indigenous culture on campus, as well as hosting pre-game concerts and events, shifting some of the focus of football events away from the future Mixed-Use Village. This shift will require an additional new entrance to the Stadium on the northeastern side.

These upgrades will provide a better playing and spectator experience for both soccer and football.

KEY INITIATIVES

- Remove track and replace artificial turf field in a location shifted slightly to the east
- New field should accommodate both competition football and soccer field
- Replace west stands
- Add new stands at the south end of field - can incorporate concessions, washrooms and change rooms for visiting teams
- Remove the existing Stadium Teamhouse
- Expand PotashCorp Park Plaza to accommodate some pre-game activity
- New Indigenous Circle Plaza to the east of Griffiths Stadium to accommodate events celebrating Indigenous culture on campus and pre-game activities

INITIATIVE

1. Replace Field
   Phase: Immediate
   Cost Estimate: $3.25 million

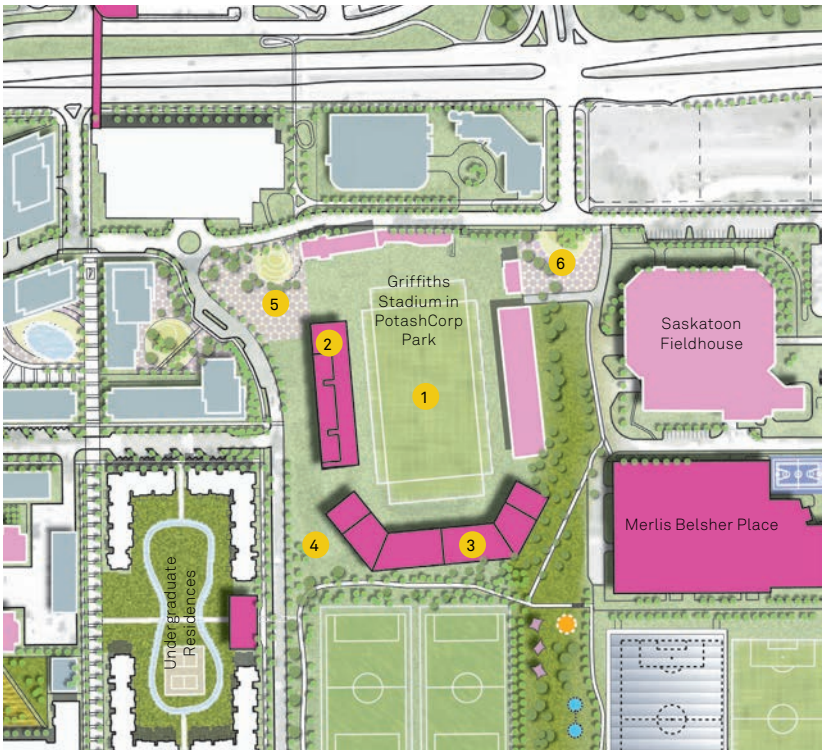
2. Replace West Stands
   Phase: Short-Term
   Cost Estimate: $13 million

3. Demolition of Stadium Teamhouse
   Phase: Medium-Term
   Cost Estimate: $52,000

4. Expand PotashCorp Plaza
   Phase: Medium-Term
   Cost Estimate: $390,000

5. Indigenous Circle Plaza
   Phase: Medium-Term
   Cost Estimate: $975,000

6. New South Stands
   Phase: Long-Term
   Cost Estimate: $23.4 million



Left: Field with football and soccer markings; Right: Plaza / event space

3.4 NEW OUTDOOR SPORTS FACILITIES IN COLLEGE QUARTER

In addition to a new Ice Facility and enhancements to Griffiths Stadium in PotashCorp Park, the athletics hub within College Quarter will include a cluster of outdoor fields and courts, as well as support facilities.

Implementation of the Master Plan for College Quarter has resulted in displacement of Field 1 for the Undergraduate Residence building, and calls for the future displacement of Fields 2, 3 and 4 for the Mixed-Use Village. Development of two new artificial turf fields south of the Ice Facility will replace the capacity of these four grass fields. The new turf fields will include lighting to extend the potential hours of play, and one field can accommodate a dome in the winter, allowing for ongoing use throughout the year.

At the same time, Fields 7 and 8, south of Griffiths Stadium in PotashCorp Park, will remain natural grass, to be used by the University soccer program and the community for soccer tournaments.

Between the turf fields and the grass fields is space for a shade canopy and seating that can be used by game spectators, players or trail users.

The two competition grass fields and the new artificial turf fields may need to be fenced to manage their use and maintain their quality. Further to the south, however, a large grass open space will be created as a dry stormwater management facility. Though it serves a stormwater function, this area can be used by students, faculty and staff as well as the wider community for pick-up sports and other activities.

KEY INITIATIVES

- Ongoing maintenance of Fields 7 & 8 as competition soccer fields (natural grass)
- Construct two new artificial turf fields south of the new arena
- Create Open green space between the grass and turf fields with tree planting, seating and a shade canopy
- Create large green space as dry stormwater management facility

IMPLEMENTATION CONSIDERATIONS

- Prepare arrangement to use the Ice Facility changerooms and washrooms for soccer games and tournaments

INITIATIVE

1. New Artificial Turf Fields (Replaces Field 2, 3 & 4)
   Phase: Immediate
   Cost Estimate: $5.2 million

2. Winter Dome (Over one field)
   Phase: Short-Term
   Cost Estimate: $2.6 million

3. Seating and Shade Canopy
   Phase: Short-Term
   Cost Estimate: $78,000

4. Create Green Space (south of Stormwater Pond)
   Phase: Medium-Term
   Cost not included in this scope

Left: Canopy and seating;
Right: Domed soccer field

3.5 ENHANCEMENTS TO RECREATIONAL TRAILS

There are many pedestrian and cycling trails winding through campus. Formalized loops for recreational use will be enhanced to create both natural and urban experiences, as well as an indoor option.

It is recommended that four main recreational loops are prioritized for enhancement.

The Green Tracks

There are two Green Tracks, which are loops that are located within natural settings, may consist of a mix of granular and asphalt surfaces, and are heavily treed. Though some portions of the Green Tracks exist, some new pathways are required to complete these loops.

The Green Tracks can be used for training by athletics teams, as they are located away from the main campus pedestrian routes, and they are adjacent to the North and South campus athletics hubs, which provide access to amenities like washrooms, changerooms and water filling stations.

The Green Tracks can integrate outdoor fitness stations and Frisbee Golf stations along their length. They can also be used for winter recreation, including cross-country skiing and snowshoeing. They should have additional wayfinding signage, and potentially maps and distance markers to guide users.

The North Loop is approximately 2 kilometres in length, while the South loop is approximately 1.5 kilometres in length.

The Campus Tracks

The Campus Tracks consist of one outdoor and one indoor route for summer and winter use. These are busier routes, merging with daily campus traffic, so would be used primarily for jogging (outdoor) and walking (indoor). These loops generally follow existing pathways, but some minor enhancements are recommended.

- Outdoor Loop: This route consists of several overlapping loops, with a total distance of approximately 5 kilometres, each of which emanates from the Bowl. It uses existing and planned (eg. the GreenWay) pedestrian routes, however, some additional wayfinding signage, pathway widening and improved pedestrian crossings may be required. An additional pedestrian crossing over College Drive is recommended with a bridge from the Stadium Parkade to the PAC to connect the north and south components of this route.
- Indoor Loop: The Indoor Loop makes use of existing tunnels and bridges to create a 1 kilometre long route for use during winter and inclement weather. Though it is not appropriate for jogging, subtle route markers like floor painting, distance markers or signs, as well as published maps, will help walkers to navigate this route and track distance traveled.

KEY INITIATIVES

- Completion of the Green Track North and South Loops, including additional tree planting
- Installation of Fitness Stations and Frisbee Golf stations along Green Track Loops
- Completion of the southern portion of the GreenWay and the pedestrian crossing enhancements for the Campus Tracks
- Develop and install a recognizable family of signage on all loops

Top: Fitness Stations; Bottom Left: Trail Signage; Bottom Right: Frisbee Golf Station

IMPLEMENTATION CONSIDERATIONS

- The Green Track North Loop will require coordination with the Meewasin Valley Authority to identify appropriate locations for fitness stations and frisbee golf
- The Green Track South Loop should be coordinated with future redevelopment of the southeast corner of College Quarter
- Create an online and app version of a route map showing access points, distances and locations of fitness/frisbee stations and other amenities

INITIATIVE

1. Enhancements to Campus Tracks
   Phase: Immediate
   Cost Estimate: $195,000

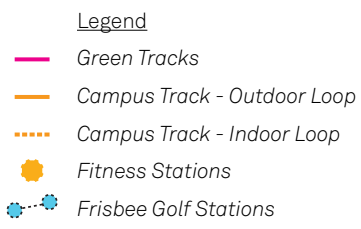
2. Complete Green Track North Loop Trail
   Phase: Medium-Term
   Cost Estimate: $175,500

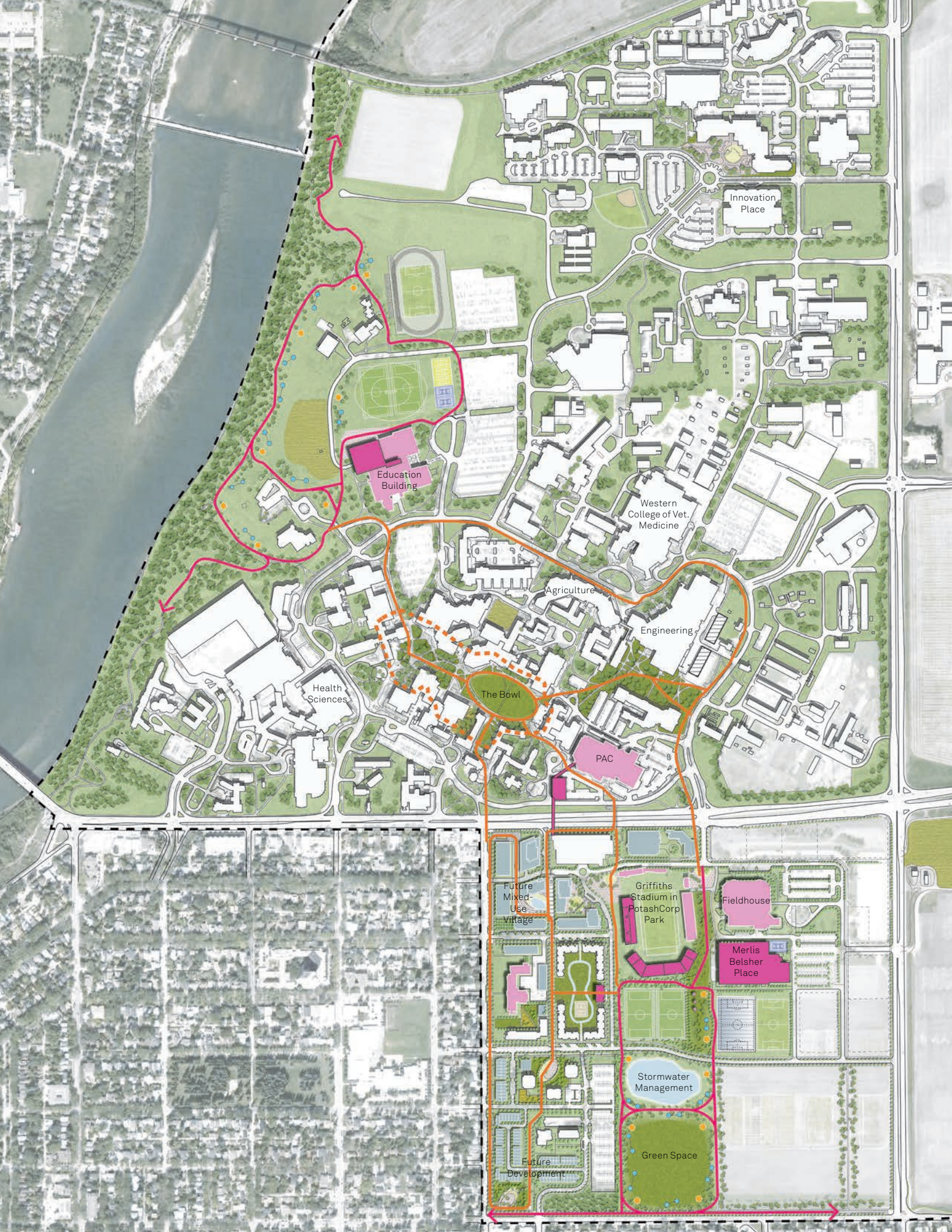
3. Complete Green Track South Loop Trail
   Phase: Medium-Term
   Cost Estimate: $351,000

4. Fitness Stations
   Phase: Medium-Term
   Cost Estimate: $65,000

5. Frisbee Golf
   Phase: Medium-Term
   Cost Estimate: $13,000

6. Signage for all Loops
   Phase: Medium-Term
   Cost Estimate: $65,000




Innovation Place
Education Building
Western College of Vet. Medicine
Agriculture
Engineering
Health Sciences
The Bowl
PAC
Future Mixed-Use Village
Griffiths Stadium in PotashCorp Park
Fieldhouse
Merlis Belsher Place
Stormwater Management
Green Space
Future Development

3.6 ENHANCEMENTS TO UNDERGRADUATE RESIDENCE QUAD

The Undergraduate Residence Quad can become a flexible and popular recreational amenity for students living in College Quarter, as well as other members of the campus community and surrounding neighbourhoods, at all times of the year.

The Undergraduate Residence Quad is a major amenity for students living in College Quarter and should provide a space that encourages activity and socializing throughout the year, while also being cognizant of the need for privacy for the residents at certain times of the day or year. Currently, this Quad functions as a stormwater management facility, which will no longer be needed with development of a new facility further to the south. This relocation will free up the space within the Undergraduate Residence Quad to be used as a more flexible gathering, social and recreational space.

In the winter, a 300 metre skating trail can loop around the inner courtyard, with gathering areas in the middle with a fire pit and seating. In summer, this loop can be used for jogging, with connections to the broader recreational trail system. In summer, the interior of the loop will include both a grassy area and a sand area with 2 beach volleyball courts. The grassy area inside the loop can be used for pick-up sports, like frisbee or badminton, as well as being populated by tables and chairs that students can use for studying, eating, and gathering.

A dining pavilion on the east side of the Quad can act as a cafeteria for students living in College Quarter, as well as a publicly accessible cafe. A potential location for this amenity was identified in the College Quarter Master Plan on the west side of the Undergraduate Residences. However, with the expected intensification of recreational uses to the east, a location on the east side of the Quad is recommended to both provide a privacy buffer for the students living in residence and to serve users of the sports fields.

The community gardens that are currently in this location can be relocated to the quad outside the Graduate Students' Residence and/or south of Wollaston Hall. Anticipating redevelopment of the area around Wollaston Hall, space is identified to the south of the residence where ample sunlight will remain available.

KEY INITIATIVES

- Relocate stormwater management pond to the southeast and landscape to create a naturalized amenity
- Create a 300 metre skating track inside the Undergraduate Residence Quad
- Create 2 beach volleyball courts
- Introduce flexible seating for spring, summer and fall months with fire pit and seating in the winter
- New one-storey, 550 square metre dining pavilion on the east side of the Quad
- Relocate existing community gardens to quad near Graduate Students' Residence and/or south of Wollaston Hall

INITIATIVE

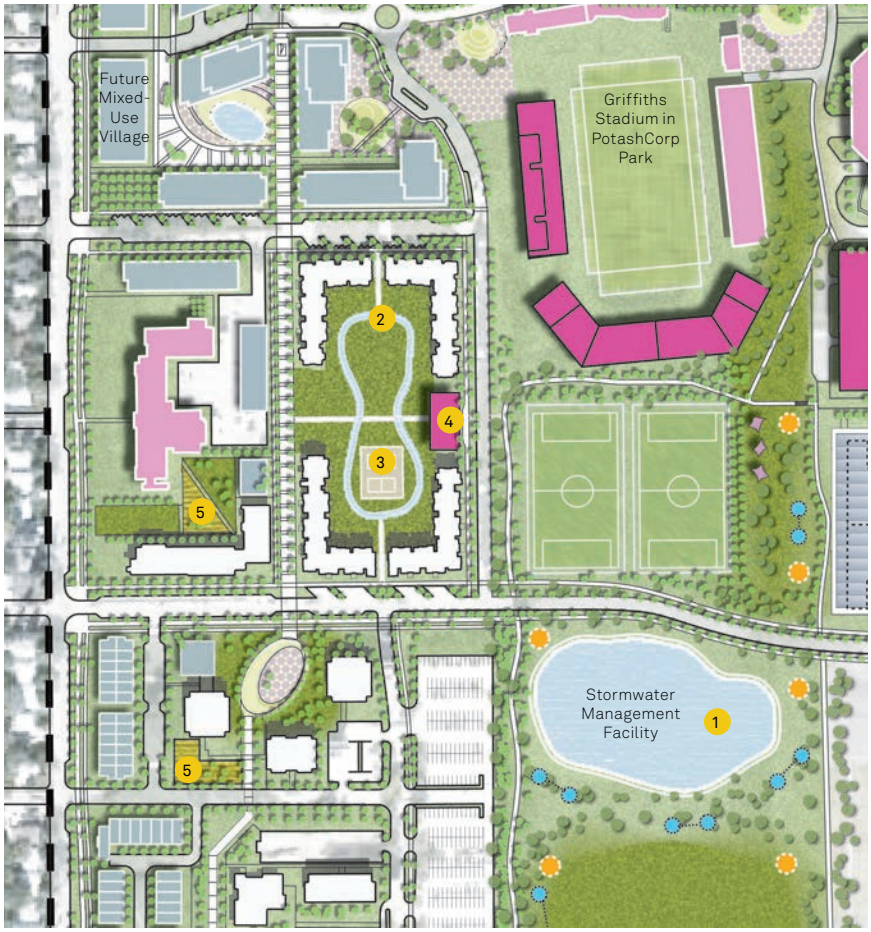
1. Create new Stormwater Management Facility
   Phase: Immediate
   Cost not included in this scope

2. Skating Trail
   Phase: Medium-Term
   Cost Estimate: $1.3 million

3. Beach Volleyball Courts (2)
   Phase: Medium-Term
   Cost Estimate: $117,000

4. Relocate Community Gardens
   Phase: Medium-Term
   Cost Estimate: $26,000

5. Dining Pavilion
   Phase: Long-Term
   Cost Estimate: $2.47 million



Top left: Metcalfe Park, Australia; Bottom left: Colonel Sam Smith Skating Trail, Toronto; Right: Pocket Park, London

3.7 PHYSICAL ACTIVITY COMPLEX (PAC) EXPANSION

An expansion to the PAC will provide additional capacity for fitness equipment, gymnasium space and studio space in a prominent, highly transparent and welcoming building.

A new athletics building in close proximity to the PAC will expand the formal fitness offerings in the central campus. This expansion should be directly connected to the PAC and offers the opportunity to re-organize uses within the existing PAC to provide more generous studio spaces, additional gym space and an expanded Fit Centre.

This expansion will resolve some of the perceived and real capacity issues at the PAC today, as well as providing additional spaces that can be allocated to specific sports or user groups. In particular, there is a need for additional studio space for yoga, dance and spin classes; dedicated practice space for the wrestling team; and additional gyms to reduce competition for space. This expansion can also integrate space for a healthy snack or juice bar.

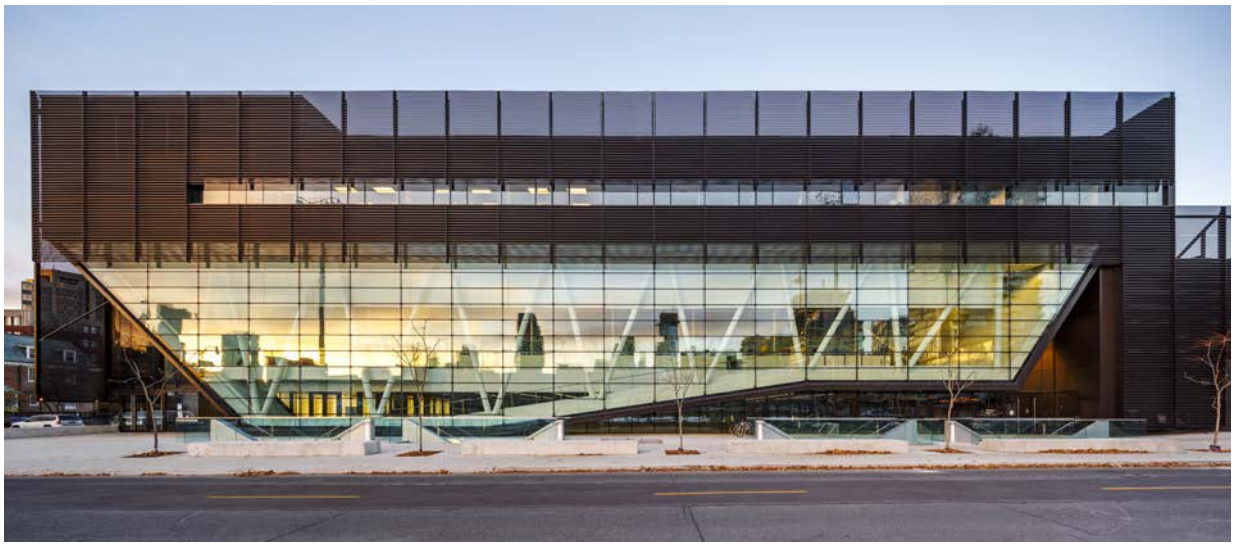
Building design should prioritize creation of a high profile and contemporary presence on College Drive that is transparent, welcoming and full of natural light. A new enclosed pedestrian bridge over College Drive can connect this new facility to both the Stadium Parkade and the PAC.

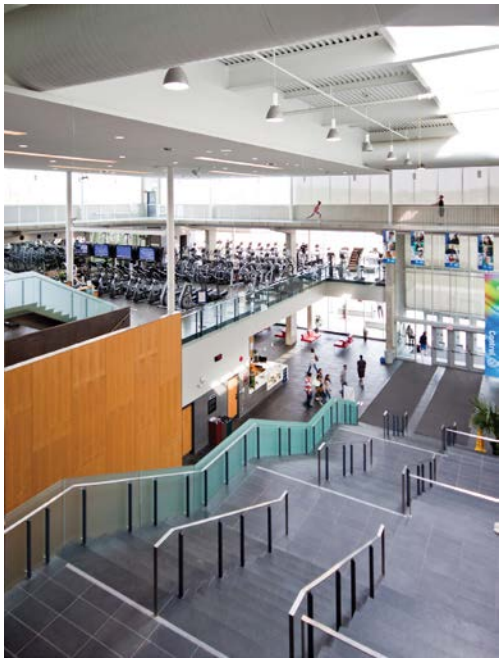
KEY INITIATIVES

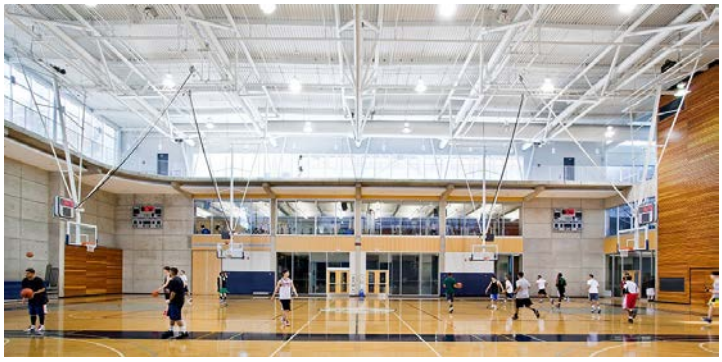
- Three-storey, 3,000 square metre athletics facility with two new gymnasiums, studio space and fitness space
- Also includes an atrium/lobby with healthy snack or juice bar
- Enclosed pedestrian bridge connection the expansion to the PAC and Stadium Parkade

IMPLEMENTATION CONSIDERATIONS

- The ultimate composition of uses within this expansion should be coordinated with a reorganization of uses within the existing PAC
- Consider the potential for athlete's-only and/or women's-only spaces and times
- Identify dedicated team spaces for sports that do not have space currently (eg. wrestling)
- With additional space available, ensure that some of the gyms remain available for recreational purposes during exam periods







Top image: Goldring Centre for High Performance Sport, University of Toronto;
Middle images: University of Toronto Mississauga;
Bottom image: University of Manitoba

FIRST FLOOR

SECOND FLOOR

THIRD FLOOR

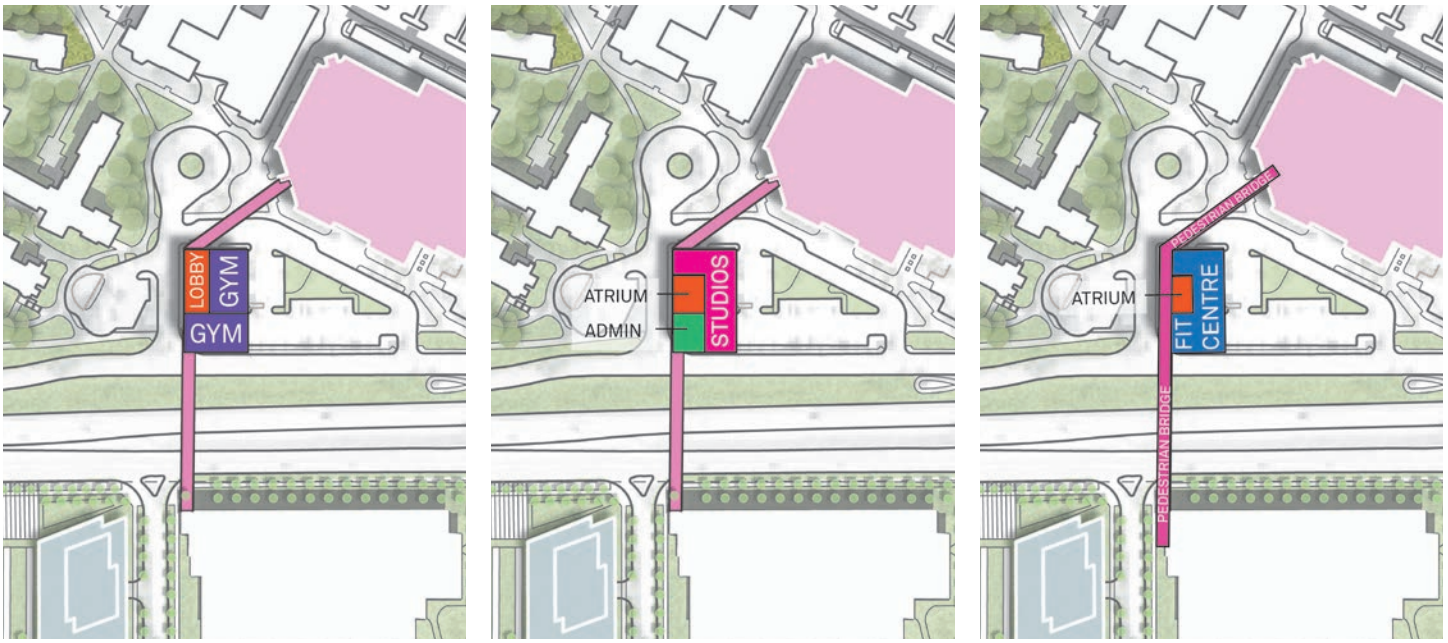


Diagram of Potential PAC Expansion

INITIATIVE

1. Build Expansion to PAC with Pedestrian Bridge connection
   Phase: Short-Term
   Cost Estimate: $19.5 million

2. Re-organization of space within the existing PAC
   Phase: Short-Term
   Cost Estimate: $2.6 million

3.8 IMPROVEMENTS TO EDUCATION FIELDS AND BUILDING

The area around the Education Building can be enhanced as the athletics hub for the north campus with improved and expanded indoor and outdoor facilities.

The area around the Education Building already offers a variety of recreational amenities, however, it is not as heavily used as other areas of the campus, and the indoor and outdoor facilities generally require updating and improvement. In addition, use of the athletics facilities in the Education Building is limited to users with personal trainers. Initiatives in this area offer the opportunity to make more efficient use of the available indoor and outdoor space to create a well-used recreational hub for the north campus.

BUILDING OPTIONS

There are two options for improvements to the indoor facilities offered in the Education Building.

Option 1: Addition to the Education Building

An addition to the Education Building, as well as renovations to the existing changerooms and washrooms, will expand and diversify the amount of indoor space available in this area. It will offer a real alternative to the PAC for students, faculty and staff on the west and north sides of campus, and would allow for this facility to be opened to general use, rather than restricting access.

Option 2: Replace Education Building

Recognizing that the Education Building has a Backlog FCI of 8.74%, the University may want to consider replacing the complete building, rather than a building addition. Though the capital cost of a new building is high, this option would mean spending money on a capital building project as opposed to deferred maintenance costs in the near-term. A new building would include both significant athletics facilities as well as new classrooms, lecture halls and gathering spaces.

OUTDOOR FACILITIES

In addition to improvements to indoor facilities, a number of enhancements to outdoor spaces will be important to generating more activity on this side of campus.

An outdoor plaza between the Education Building and the fields will create a new shared space. This part of campus is lacking in such spaces and will reflect its growing importance as a hub of campus activity. The plaza would be used by building users on a day-to-day basis, as well as acting as an event and gathering space for the recreational activities in this area.

At the same time, the outdoor fields can be re-organized to make more efficient use of the available space and offer a greater diversity of recreational options. As the tennis courts require resurfacing, they should be relocated to the north, with three new tennis courts placed next to two basketball courts. Fields 9 and 10 can be re-oriented to create a larger size multi-use field, which can also be used for cricket. Field 11 can be repurposed as a new outdoor track facility, with a 400 metre track, a grass field with a throws and jumps area that can also be used for soccer and other sports, and space for spectator seating, either on a temporary or permanent basis.

All of these facilities can make use of changerooms and washrooms inside the Education Building.

KEY INITIATIVES

- Replace Field 11 with a new track facility - with 400 metre track, soccer field with a throws and jumps area, and potentially spectator seating
- Re-orient Fields 9 & 10 to create a larger multi-purpose field that can also accommodate cricket
- Relocate and rebuild 3 tennis courts, along with 2 new basketball courts
- Building Option 1: Renovate existing washrooms and changerooms in Education Building and build new one-storey, 3,000 square metre building addition to accommodate gymnasium space, studio space and fitness equipment
- Building Option 2: Replace the Education Building, including significant new athletics facilities
- Outdoor plaza on north side of building including electrical supply

IMPLEMENTATION CONSIDERATIONS

- The Track facility on Field 11 may have implications for the snow storage area to the north and the stream leading to Ski Jump Coulee. Coordination with Facilities Management and the Meewasin Valley Authority should be undertaken.
- Planning and design for an addition or new construction of the Education Building should be coordinated with the College of Education
- Consider introducing weekend and/or off-peak pay parking for the lots adjacent to these facilities for off campus users of the recreational facilities

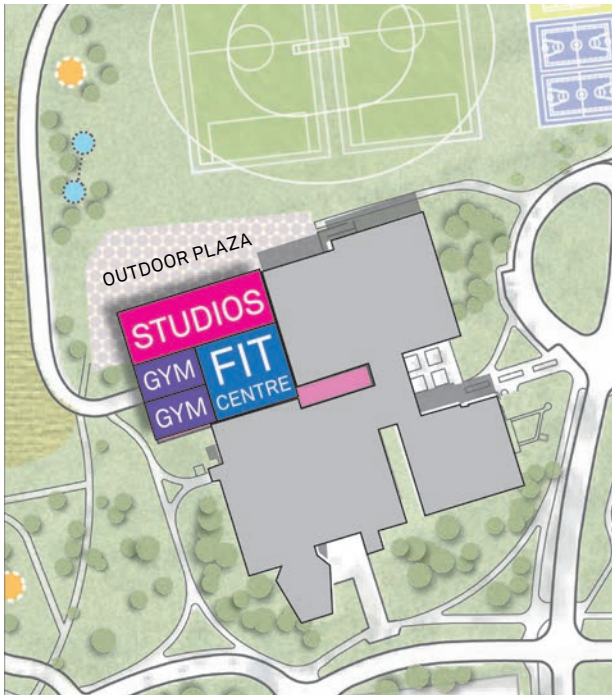


Diagram of Potential Education Building Addition

INITIATIVE

1. New Track with Field (Field 11)
   Phase: Immediate
   Cost Estimate: Not included in this scope - to be funded by community (approximately $4.16 million)

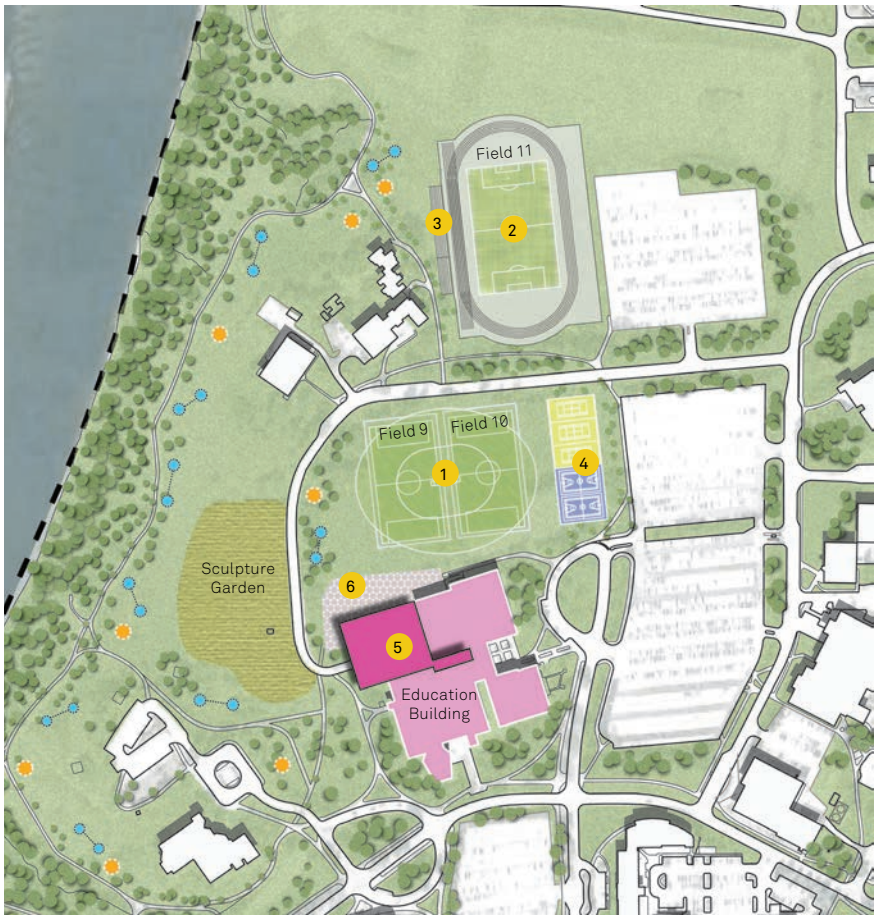
2. 200-Seat Stands for Track
   Phase: Short-Term
   Cost Estimate: Not included in this scope - to be funded by community (approximately $65,000)

3. Re-orient Grass Fields 9 & 10
   Phase: Medium-Term
   Cost Estimate: $672,100

4. New Tennis and Basketball Courts
   Phase: Medium-Term
   Cost Estimate: $130,000

5. Building Addition or Replacement
   Phase: Long-Term
   Cost Estimate: $19.5 million (Addition) or $130 million (Replacement)

6. Outdoor Plaza
   Phase: Long-Term
   Cost Estimate: $130,000



Left: Tennis and basketball courts; Right: Track facility with field and throws and jumps area

3.9 CAMPUS LIFE ACTIVITY GENERATORS

Key gathering and social spaces on campus will benefit from investment in amenities to enhance their flexibility for programming and to maximize use in all seasons.

Universities are special places in the way that they create community and belonging. Vibrant universities offer a range of places where students, faculty, staff and even members of the wider community can get together to socialize, learn or work individually or in the company of others.

The University of Saskatchewan already has a number of unique places - like the Bowl - that act as campus focal points and accommodate larger events and gatherings. Additional spaces throughout campus, especially those with winter activities, would be equally well-used.

Flexible outdoor seating, including tables with chairs, benches or fun elements like hammocks, will further invite people to use these spaces for socializing and studying, or for informal recreational use, like picnicing, frisbee or slacklining. Important locations for flexible seating may include the Bowl, the Undergraduate Residence Quad, the new Education Building plaza, the area near the Graduate Residence and near the residences south of Aird Street.

In addition to seating, some social spaces, like the new plazas outside of Griffiths Stadium in PotashCorp Park and the Education Building will be equipped with power supply to facilitate concerts and food truck events (see Section 3.3 and 3.8). The Bowl is already equipped with such supply.

More diverse activities will also be planned for these gathering spaces, including the open green space south of the stormwater management facility. These can include setting up temporary games, an outdoor ping-pong table, a winter fire pit or outdoor curling lanes. In addition, the plaza within the College Quarter Mixed-Use Village is planned to include a splash pad and skating rink feature.

The Indigenous Circle Plaza has been identified as a potential location for a structure designed to celebrate Indigenous culture and history on campus. The design of this space and a gathering structure should be undertaken collaboratively with local Indigenous students, staff, faculty and elders.

KEY INITIATIVES

- Integrate a range of flexible seating, including tables for studying and group work
- Install electrical outlets in key locations for winter activities, food truck events, outdoor concerts, etc.
- Temporary games and activity spaces (eg. ping-pong table, outdoor curling lanes, fire pit, etc.)
- Programming of Indigenous Circle Plaza and Education Plaza

IMPLEMENTATION CONSIDERATIONS

- Work closely with Indigenous students on campus and local First Nations and Metis groups to design an Indigenous Circle Plaza and gathering structure that is culturally appropriate and meaningful, and foster cultural sharing and learning for the whole campus
- Partner with the USSU and GSU in the programming of social and gathering spaces throughout the year

Top: Indigenous Gathering Space; Middle: Seating and Food Trucks in Plaza; Bottom Left: Hammocks; Bottom Right: Temporary curling lanes

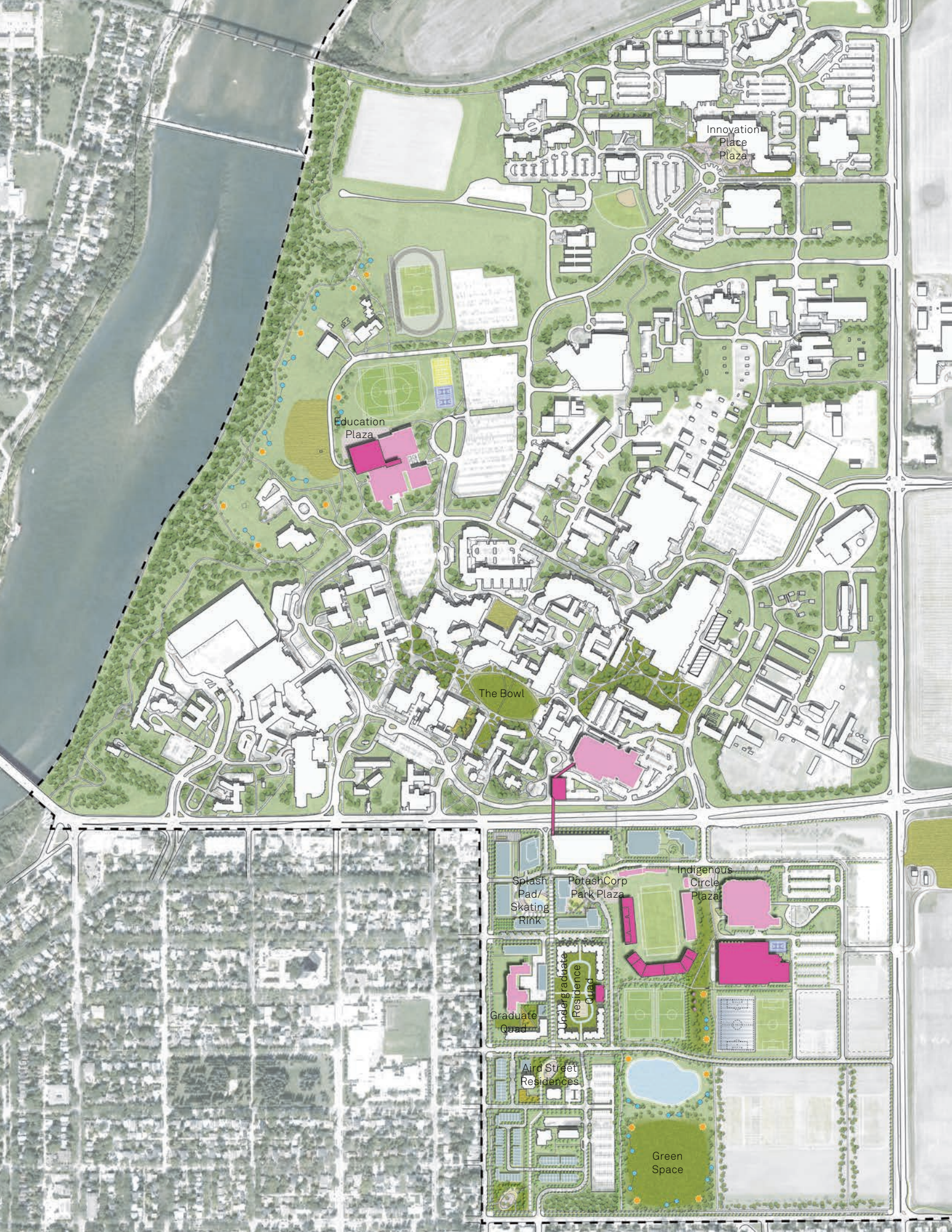
INITIATIVE

1. Flexible Seating (The Bowl, Undergraduate and Graduate Residence Quads, Education Plaza)
   Phase: Short-Term
   Cost Estimate: $26,000

2. Outdoor Ping-Pong Table (Education Plaza and Aird Street Residences)
   Phase: Short-Term
   Cost Estimate: $78,000

3. Temporary Games (The Bowl, Undergraduate Residence Quad, Green Space)
   Phase: Short-Term
   Cost Estimate: $325,000

4. Indigenous Circle Plaza and Education Plaza
   See Section 3.3 and 3.8


Innovation Place Plaza
Education Plaza
The Bowl
Splash Pad/ Skating Rink
PotashCorp Park Plaza
Indigenous Circle Plaza
Undergraduate Residence Quad
Graduate Quad
Aird Street Residences
Green Space