The following Motion and Document were considered by the GFC Facilities Development Committee at its Thursday, October 24, 2013 meeting:

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**Agenda Title:** Landscape Plan for the Students’ Union Building (SUB) Expansion

CARRIED MOTION: THAT the GFC Facilities Development Committee approve, under delegated authority from General Faculties Council and on the recommendation of Planning and Project Delivery, the proposed Students’ Union Building (SUB) Landscaping Design Development (set forth in Attachment 2) as the basis for further development of design documents.

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**Final Item: 4**
OUTLINE OF ISSUE

Agenda Title: Landscape Plan for Students’ Union Building (SUB) Expansion

Motion: THAT the GFC Facilities Development Committee approve, under delegated authority from General Faculties Council and on the recommendation of Planning and Project Delivery, the proposed Students’ Union Building (SUB) Landscaping Design Development (set forth in Attachment 2) as the basis for further development of design documents.

The Purpose of the Proposal is (please be specific)
To seek GFC FDC's approval for the landscape plans for the SUB expansion so that it may be tendered and constructed by the project general contractor. Attachment 2 is to be considered for approval, whereas Attachment 3 is included solely for information.

The Impact of the Proposal is
To create student friendly outdoor places that integrate campus pathways, reinforce open spaces, enhance campus experiences, and integrate into a larger vision of open space and pathway design for the North Campus.

Alignment/Compliance

1. Post-Secondary Learning Act (PSLA): The PSLA gives GFC responsibility, subject to the authority of the Board of Governors, over academic affairs (Section 26(1)) and provides that GFC may make recommendations to the Board of Governors on a building program and related matters (Section 26(1) (o)). Section 18(1) of the PSLA give the Board of Governors the authority to make any bylaws "appropriate for the management, government and control of the university buildings and land." Section 19 of the Act requires that the Board "consider the recommendations of the general faculties council, if any, on matters of academic import prior to providing for (a) the support and maintenance of the university, (b) the betterment of existing buildings, (c) the construction of any new buildings the board considers necessary for the purposes of the university [and] (d) the furnishing and equipping of the existing and newly erected buildings […]" Section 67(1) of the Act
governs the terms under which university land may be leased.

2. **GFC Facilities Development Committee (FDC) Terms of Reference – Section 3. Mandate of the Committee: “[…]**

2. **Delegation of Authority**

   Notwithstanding anything to the contrary in the terms of reference above, the Board of Governors and General Faculties Council have delegated to the Facilities Development Committee the following powers and authority:

**A. Facilities**

1. To approve proposed General Space Programmes (Programs) for academic units.

2. (i) To approve proposals concerning the design and use of all new facilities and the repurposing of existing facilities and to routinely report these decisions for information to the Board of Governors.

   (ii) In considering such proposals, GFC FDC may provide advice, upon request, to the Provost and Vice-President (Academic), Vice-President (Facilities and Operations), and/or the University Architect (or their respective delegates) on the siting of such facilities. (GFC SEP 29 2003)

**B. Other Matters**

The Chair of FDC will bring forward to FDC items where the Office of the Provost and Vice-President (Academic) and/or the Office of the Vice-President (Facilities and Operations), in consultation with other units or officers of the University, is seeking the advice of the Committee."

3. **UAPPOL Space Management Policy and Space Management Procedure:** The respective roles of GFC FDC and the Vice-President (Facilities and Operations) with regard to institutional space management are set out in this Board-approved policy and attendant procedure.

To access this policy suite on line, go to: [www.uappol.ualberta.ca](http://www.uappol.ualberta.ca).

**Routing (Include meeting dates)**

<table>
<thead>
<tr>
<th>Consultative Route (parties who have seen the proposal and in what capacity)</th>
<th>Students’ Union Building (SUB) Project Steering Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approval Route (Governance) (including meeting dates)</td>
<td>GFC Facilities Development Committee (October 24, 2013) – for final approval</td>
</tr>
<tr>
<td>Final Approver</td>
<td>GFC Facilities Development Committee</td>
</tr>
</tbody>
</table>
Attachments:

1. Attachment 1 (page 1) – Briefing Note
2. Attachment 2 (pages 1 – 4) – Students’ Union Building (SUB) Expansion Landscape Plans
3. Attachment 3 (page 1) – 89 Avenue – 114 Street Landscape Improvements

Prepared by: Ben Louie, University Architect, Office of the University Architect, Planning and Project Delivery, Facilities and Operations, ben.louie@ualberta.ca
Facilities and Operations

Landscape Plan for Students’ Union Building (SUB) Expansion

BRIEFING NOTE

Background

The Design Development Report for the Students’ Union Building (SUB) Expansion was approved by the Facilities Development Committee on April 25, 2013, with the landscape plan to be developed at a later date. The Office of the University Architect has advanced some detailed planning for the Open Space concept for 114 Street (87th Avenue to 89th Avenue) and the west part of 89th Avenue. The design is to inform the larger integrated campus landscape plan, with a focus on providing welcoming, safe, and barrier free access to the entrances of SUB. The design will also provide student friendly outdoor spaces that integrate campus pathways and enhance the campus experience. The goal is to ensure there is a commonality of thought and design to all the new open space and developments occurring along these major corridors.

Issues

Respecting the defined scopes and budget realities for the project while attempting to realize a long term concept plan in a phased approach, the project team has adopted a strategy to provide the following (in this or future project phases as budgets permit):

1. Balancing soft landscaping and greenery with hard landscaping for programing and building entry;
2. Planting of new trees and shrubs to compensate for trees and shrubs removed for construction;
3. Creating “welcome mats” at new entrances of SUB with paving material that matches the existing paving patterns on 89 Avenue, when budget permits.
4. Soft landscaping to be selected from primarily indigenous native species and augmented with edible plant varieties.
5. Creating a lower plaza space for seating on the south side of SUB, across from the north entrance and patio of the Physical Activity and Wellness Centre (PAW).
6. Introducing five (5) new Brandon Elm trees to reinforce the signature Edmonton tradition of planting alley of trees along 89 Avenue.

The results of the landscaping interventions at this primary location, even though they are phased, will create a campus experience for the University community that is consistent with the health and wellness and character of the precinct.

Recommendation

That the Facilities Development Committee approve the motion as presented in the Outline of Issues for the proposed Landscape Plan for the Students’ Union Building (SUB) Expansion project.

Submission by: Ben Louie
University Architect
Office of the University Architect, Planning and Project Delivery, Facilities and Operations

Date: October 24, 2013
NOTES FOR THE CONTRACTOR

1. NO USE OF SKID STEERS ON CONCRETE.
2. PLANTERS TO BE FILLED WITH SOIL USING A CONVEYOR BELT OR MANUALLY INSTALLED.
3. USE PLANTING SOIL TYPE 3:1.1 TO FILL PLANTERS AND BEDS. USE HIGH QUALITY AGRICULTURAL GRADE SCREENED SOIL FOR TIERED MICRO-CLOVER PLANTERS.
4. USE CAUTION WHEN WORKING AROUND NEW CONCRETE; USE 16 mm THICK PLYWOOD SHEETS TO COVER PATHS AND PLANTER WALLS THAT MAY BE IN CONTACT BY WORKERS AND MACHINERY.
5. CLEAN UP ANY SCUFFS AND MARKS CAUSED BY WORKERS AND MACHINERY WITH A BRUSH, SOAP AND WATER.

PLANT LIST

<table>
<thead>
<tr>
<th>Plant Name</th>
<th>Quantity</th>
<th>Mature Dimension</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aboriginata' White Variegated Hosta</td>
<td>150mm POT</td>
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<tr>
<td>Helictotrichon sempervirens</td>
<td></td>
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<td></td>
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<tr>
<td>'Blizzard' Blizzard Mockorange</td>
<td></td>
<td></td>
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<tr>
<td>'Montana' White Swan Three Lobed Spirea</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>'Tauntoni' Taunton Yew</td>
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<td></td>
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<tr>
<td>'Monlo' Diablo Ninebark</td>
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<td></td>
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</tr>
<tr>
<td>Physocarpus opulifolius</td>
<td></td>
<td></td>
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<tr>
<td>Juniperus sabina 'Calgary Carpet'</td>
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<tr>
<td>'Brandon' Brandon ElmB&amp;B 75mm CAL.</td>
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<tr>
<td>Ulmus americana</td>
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</tbody>
</table>

LANDSCAPED TIERED MICRO-CLOVER PLANTERS

1. PERFORM ALL SERVICE CHECKS (POWER, WATER, GAS) BEFORE EXCAVATING.
2. REMOVE ALL SHARP EDGES AND BLADES FROM MACHINERY AND TOOLS PRIOR TO EXCAVATION.
3. PRIOR TO PLACEMENT OF CONTAINER INTO THE HOLE, REMOVE ALL SHARP EDGES AND BLADES FROM MACHINERY AND TOOLS.
4. CONTAINER SHOULD BE BEDDED ON MINIMUM 150-300mm OF PEA GRAVEL OR GRAVEL.
5. PLACE CONTAINER INTO HOLE, MAKING SURE IT IS ROTATED IN PROPER DIRECTION.
6. ADD A LAYER OF TOPSOIL OR PLANTING MEDIA TO THE CONTAINER TO ALLOW FOR SETTLEMENT OF TREE WITHIN THE CONTAINER WALLS.
7. AFTER BACKFILL PROCESS IS COMPLETE, INSTALL LIFTING HARNESS AND GOOD SEAL ON LID TO PREVENT ODOUR. MAKE SURE TO ROUND SYMMETRICAL SHAPE TO INSURE EASY REMOVAL OF BAG.
8. ADD A NEW LINING TO THE DUMPSTER OR RECYCLING BAG TO THE BAG LINER, SET LID ON AND LOCK DOWN.

LEGEND

- SOD REPAIR AREA ON TOP OF 150-mm TOP SOIL
- SKATE DETERRENT BY SKATE STOPPERS (www.skatestoppers.com)
- SYBERTECH MILLENIUM 1000 WASTE RECEPTACLE AND RECYCLING (QTY 2)
- SYBERTECH MILLENIUM 2000 WASTE RECEPTACLE AND RECYCLING (QTY 1)
- MICRO-CLOVER TURF TILES - PRE-GROWN BY JUNIPERUS INDIVIDUALS
- ANNUAL PLANTING BED AREA (LEFT OPEN)
- MEDIUM GRADE SPRUCE/PINE BARK MULCH TO 100mm DEPTH
- VARIOUS PLANT LIST
- CONSTRUCTION NOISE AND DUST SUPPRESSION
- THROUGHOUT CONTRACT
- MULCH TYPE AS SPECIFIED IN LEGEND.
- AGRICULTURAL GRADE SCREENED SOIL FOR TIERED MICRO-CLOVER PLANTERS.
IRRIGATION PLAN

NOTES:
- Irrigation controller and water connection to be from Mechanical, Poised to place on St. 6, to be to Mechanical drawings for more information.

1. Place tie-down stakes every three feet in sand, four feet in loam, and five feet in clay.

2. At fittings where there is a change of direction such as tees or elbows, use tie-down stakes on both sides.

3. Inline drip emitter outlet

4. Tie-down stake: Rainbird TDS-050

5. On-surface drip line:
   - Potable: XFD drip line
   - Non-potable: XFDP drip line

6. Compact back fill

TYPICAL VALVE/VALVE BOX INSTALLATION

- Pressure regulating valve (PRV)
- PVC union (TYP.)
- Pressure regulating valve (PRV) line flushers installed to toe of valve center of drain line, soil and drain water will not cause flooding
- WOBBLED THREE GRADIENT 160 mm depth
- Pressure treated 3.5 ft. footings
- Expanded soil pipe
- Expanded soil pipe
-引き上げ

650 PIPE

- Main lines stubbed off as required to supply stations. Main lines to be schedule 40 pipe in 160 mm diameter. PVC union (TYP.)

- Irrigation system/installation to be noted water and electrical supply as per local requirements and code.

- Irrigation system shall be guaranteed for a period of one year from the date of completion. The contractor shall check, clean, and adjust the irrigation system to noted water and electrical supply as per local requirements and code.

- Irrigation system shall be installed in accordance with ASME B 16.3. The controller shall be installed in accordance with ASME B 16.3. The controller shall be installed in accordance with ASME B 16.3.

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