



McGill

New Vic Project

**DEDICATED TO SUSTAINABILITY
SYSTEMS, PUBLIC POLICY, AND
TEACHING & LEARNING**

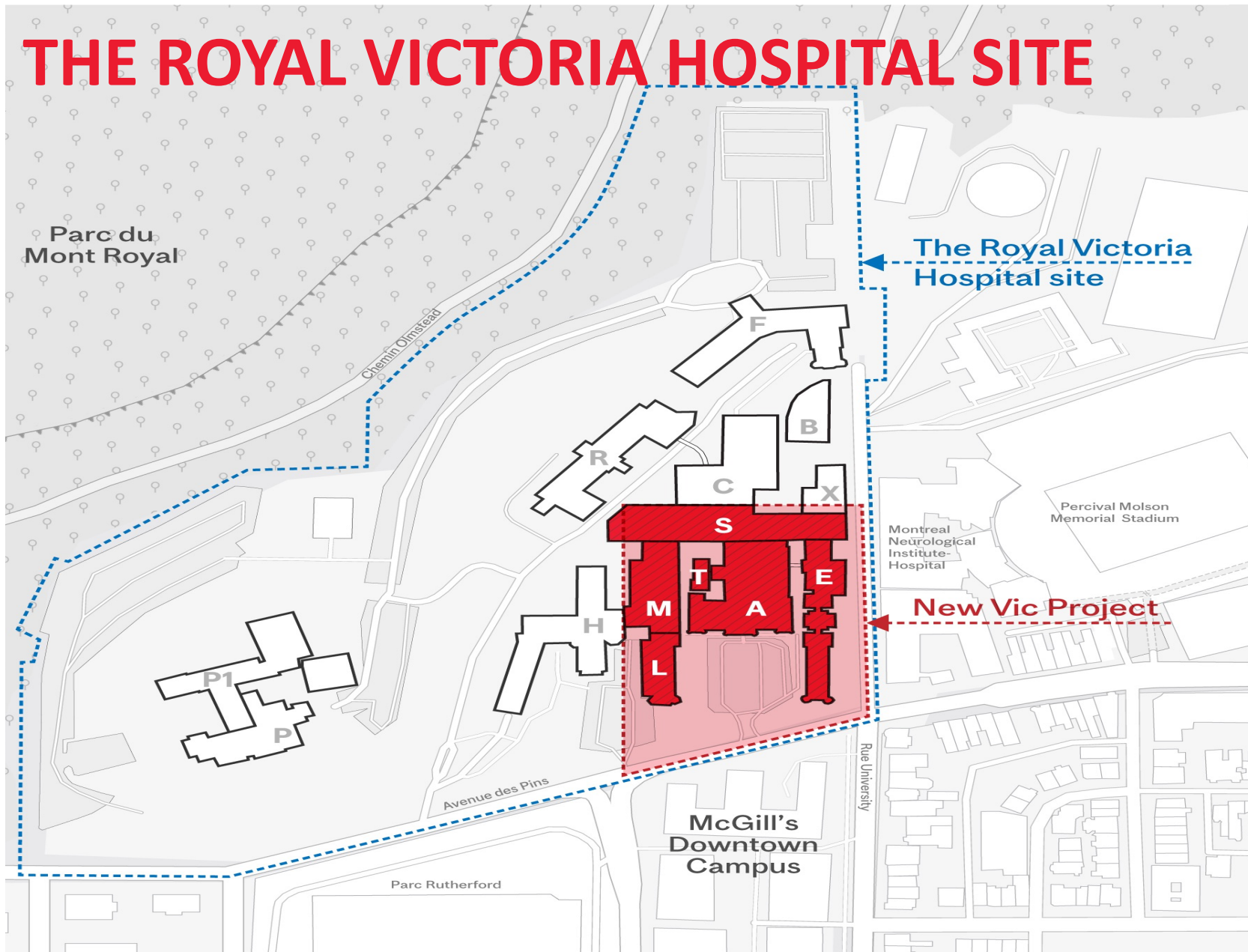
*Presentation to SSMU Legislative Council
Oct. 2021*

P. B. Lennox, Academic Lead NVP and Dean of Science



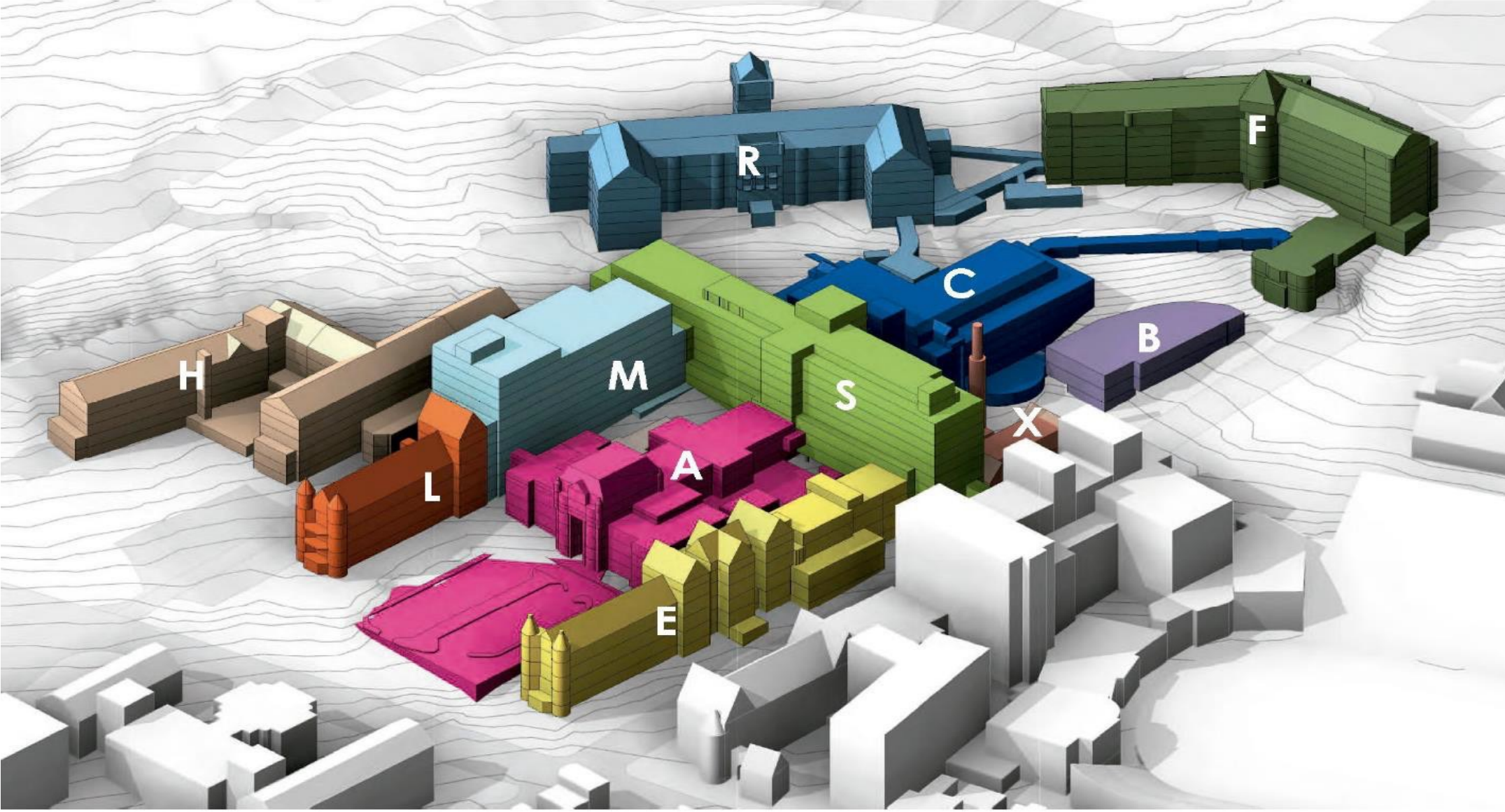
McGill University is on land which has long served as a site of meeting and exchange amongst Indigenous peoples, including the Haudenosaunee and Anishinabeg nations.

THE ROYAL VICTORIA HOSPITAL SITE



- The New Vic Project makes up **15%** of the Royal Victoria Hospital site
- The other 85% of the site is under the jurisdiction of the SQL and its Master Plan

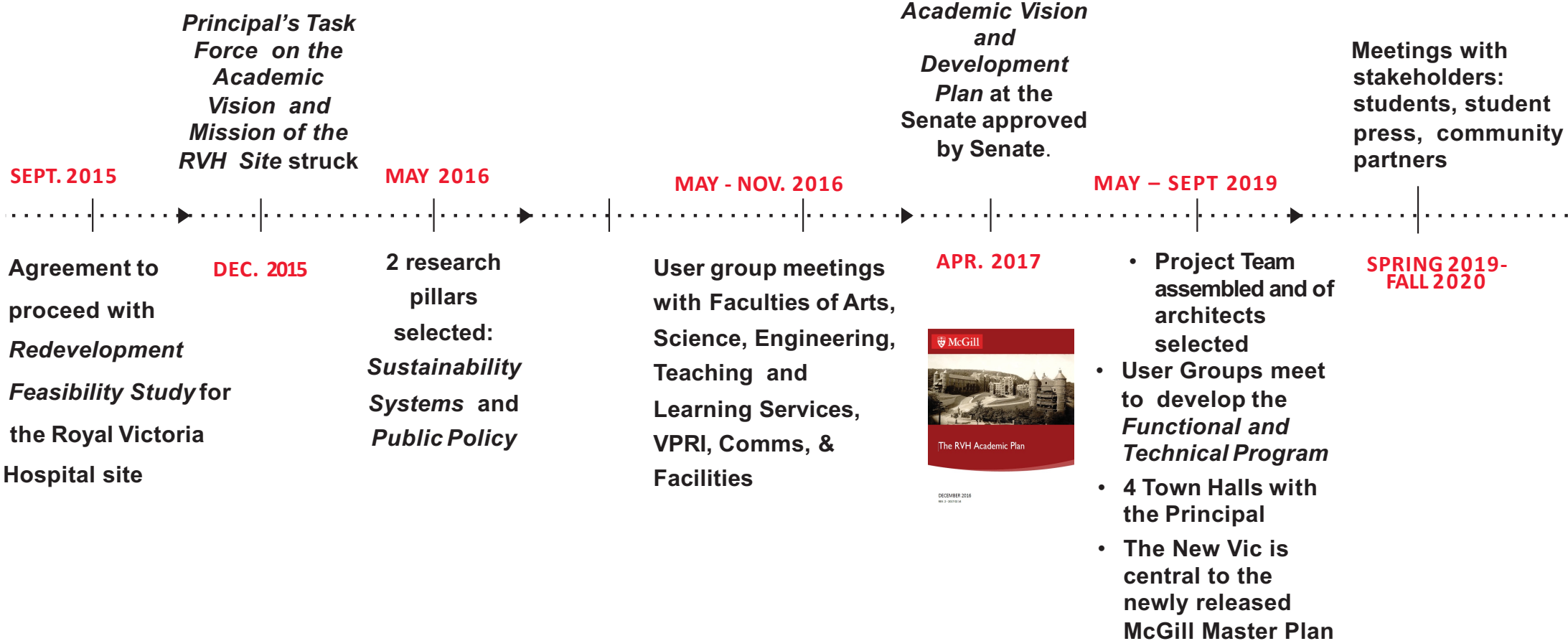
THE ROYAL VIC



... AND ITS TRANSFORMATION



PROJECT DEVELOPMENT PROCESS: 2015 - 2020

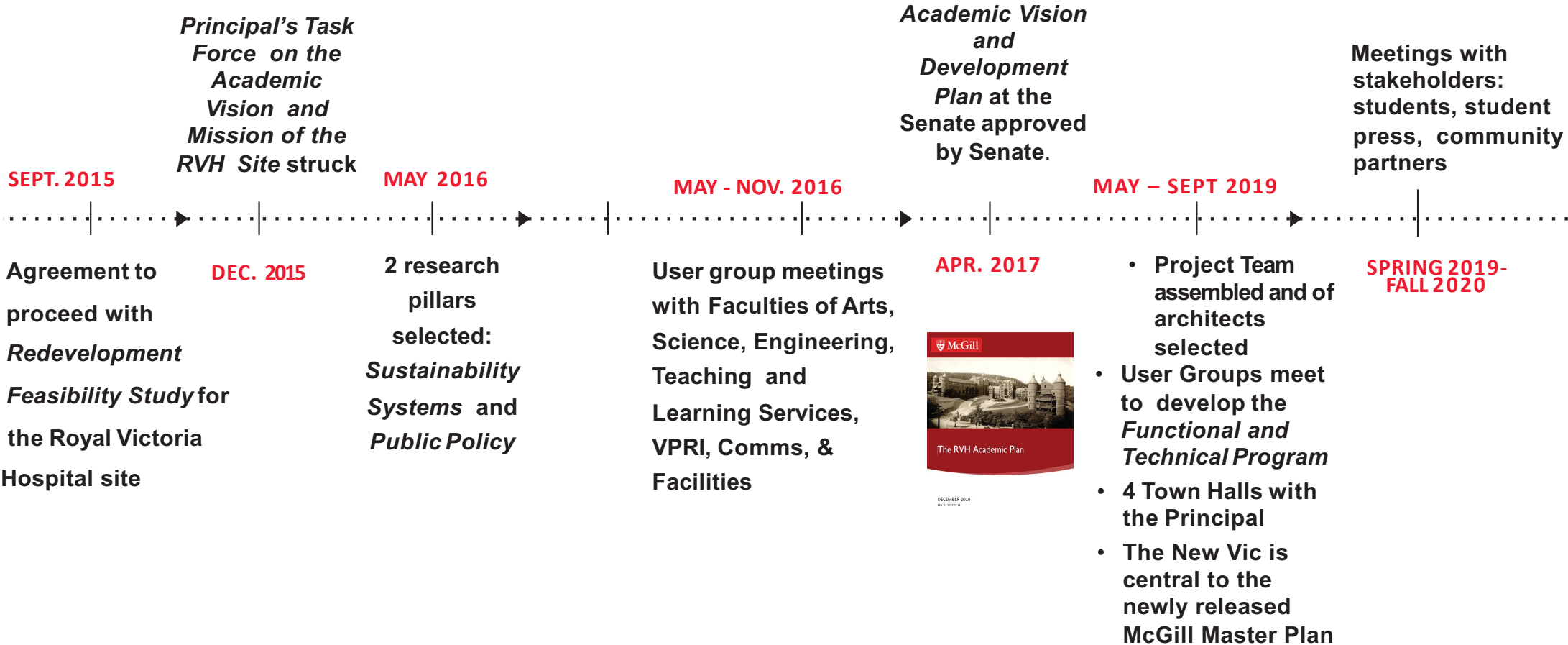


Seven guiding principles of the New Vic Project

1. Deliver a project for Montreal, Quebec, and Canada.
2. Embrace the challenges of sustainability through research, policy development and collaboration.
3. Build an idea factory that attracts, connects and inspires.
4. Balance nature, heritage, functionality and sustainable architecture.
5. Recognize and honor the Indigenous history of the site.
6. Exemplify sustainable mobility and urban integration.
7. Enhance views and access to Mount Royal, and Olmsted's landscape vision for Montreal.



PROJECT DEVELOPMENT PROCESS: 2015 - 2020



PROJECT DEVELOPMENT PROCESS: 2021– 2028



THE NEW VIC ACADEMIC PLAN

SUSTAINABILITY SYSTEMS

Molecular/Materials Systems: Understanding the synthesis and properties of molecules and materials, creation of sustainable processes and materials

Chemistry, Materials – Civil – Chemical - Mechanical Engineering

Earth Systems: Understanding the physical, chemical, and biological processes that determine the Earth's atmosphere, hydrosphere, biosphere, magnetosphere, etc.- AND the impact that human activity has on these components

• *EPS, AOS, Geography, Mining - Civil Engineering*

Urban Systems: Understanding the design and use of the built environment and the role of sustainability measures to ensure viability

• *Geography, Civil Engineering, Urban Planning*

PUBLIC POLICY

Public policy issues of national and global consequence, including areas such as Indigenous and environmental law, international development and security, and the intersection of science, technology, and society.

- *Max Bell School of Public Policy; Economics, Political Science, Sociology,, Art History - Communications, Philosophy, Social Work, Information Studies plus constituent Institutes/Centres*

Teaching & Learning and Library Facilities

Lecture rooms of 60 - 350 seats for undergraduate courses, many active learning classrooms, informal learning spaces, and 'collision spaces'.

Engagement with the McGill Community

Principal's Task Force on the Academic Vision (2016) and the Academic Vision and Plan (2018)

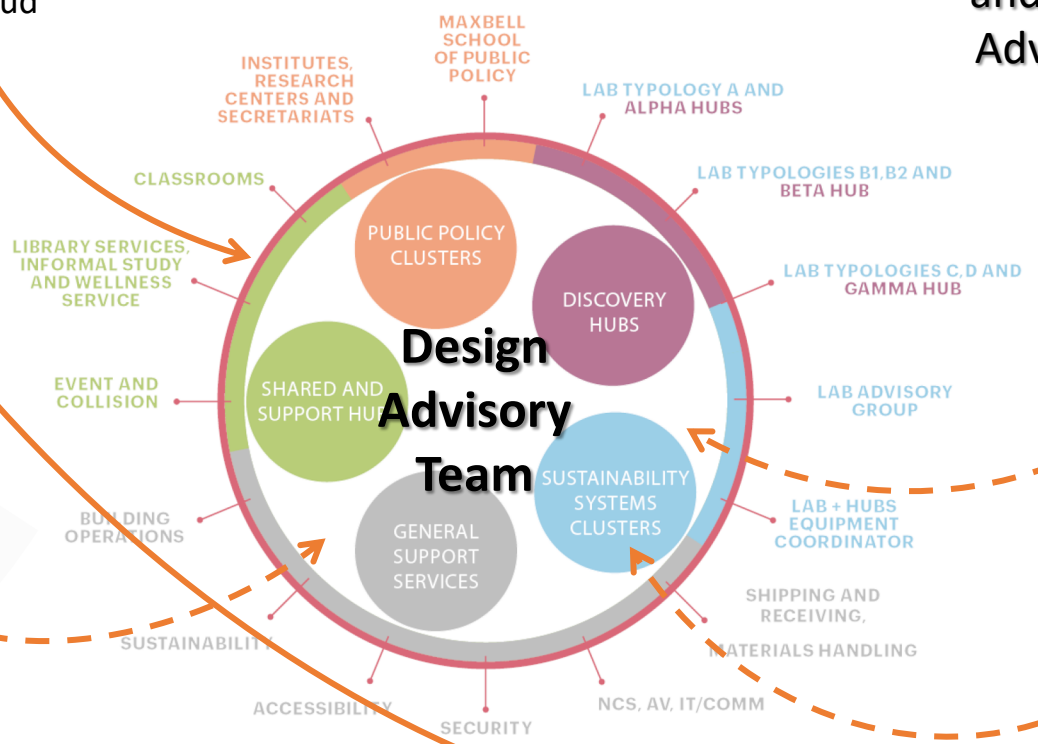
New Vic Academic Steering Committee, Executive Committee, and Provostial Deans Advisory Committee

New Vic Project Team
(McGill Team, Decasult, Diamond Schmitt/ Lemay Michaud Architects, other professionals)

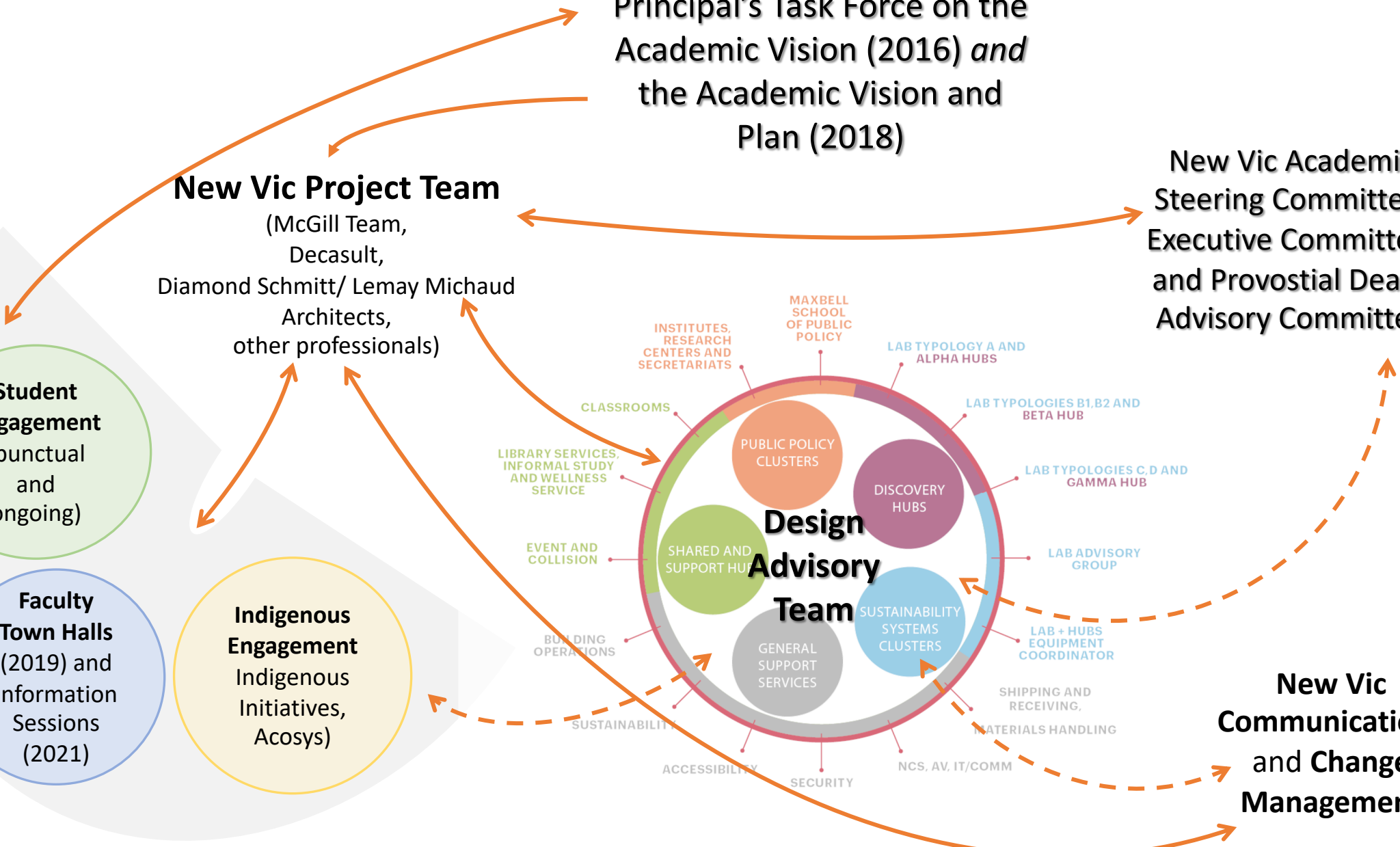
Student Engagement
(punctual and ongoing)

Faculty Town Halls
(2019) and Information Sessions (2021)

Indigenous Engagement
Indigenous Initiatives, Acosys)



New Vic Communications and Change Management



PROGRAM AND AREAS

Areas as a function of activity and use; total project area of 25,100 nsm is equivalent to 52,100 gsm

Space Type	Description	Area (nsm)
Public Policy Cluster (PPC)	Faculty offices, admin space, grad student and PDF offices, meeting spaces, etc.	1,631
Sustainability Systems Cluster (SSC)	Faculty offices, lab shared support, Lab types A, B, C, D	14,256
Discovery Hubs	<i>2 Alpha</i> (Molecular Characterization, Materials Characterization and Testing); <i>Beta</i> (Geo Hub); <i>Gamma</i> - Computational and Data Sciences	2,100
Shared Support Hub	Classrooms (9), café, collision space, event space, group study, library services, etc.	5,753
General Support Services	Housekeeping, food/chemical/general storage, loading docks, security/trades/waste management, etc.	1,360
TOTAL		25,100

1,100

Undergraduate and graduate students in active learning classrooms

1,200

Professors, staff, graduate and postdoctoral researchers engaged in research activities

3,000

Daily users, including students, staff, partners, and visitors

The New Vic: A Tour



Photo credits: Diamond Schmitt Lemay Michaud Architects











Photo credits: Diamond Schmitt Lemay Michaud Architects







Views Upon Entrance into Forecourt Pavilion at Level 02



View of 225 Seat Classroom



View of Central Atrium from Level 03





LETTING THE LIGHT IN

- Light is used as an organizational tool, illuminating spaces for gathering.
- The courtyards reveal previously hidden existing facades, exposing them for students and the public.
- A series of light-filled interior courtyards serve as crossroads for collaboration, exploration and exposition.
- The courtyards present an opportunity to engage with Indigenous communities to develop interior physical representation strategies.
- Spaces between the heritage buildings serve as circulation links in the Complex.

COLLISION AND INFORMAL SPACES





View of Central Atrium from Level 03



View from Level 03 - Cafe Seating Down to Geo Hub

Level 05 - Pavilion E- Grand Reading Space







PROJECT DEVELOPMENT PROCESS: 2021– 2028



The New Vic



Photo credits: Diamond Schmitt Lemay Michaud Architects