

QEII New Generation Project

Update to Halifax Regional Municipal Council

February 25, 2020

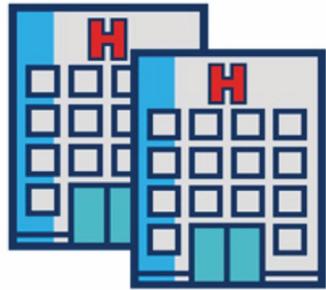


QEII New Generation Project

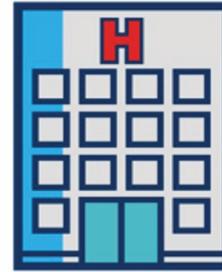
Overview

- Once in a generation opportunity to rethink and rebuild the way we deliver health care.
- It's a \$2 billion investment – the largest health care infrastructure project in Nova Scotia's history.
- Allows services to be moved out of the aging Centennial, Victoria and Dickson buildings on the Victoria General (VG) site of the QEII, to prepare for their eventual closure.
- Patients are at the centre of every decision related to the QEII New Generation project.
- Consultation included 40 different multidisciplinary user groups.

MOVING SERVICES OUT OF CENTENNIAL, VICTORIA & DICKSON BUILDINGS



Centennial/Victoria/Dickson



Halifax
Infirmary
NOVA SCOTIA
CANCER CENTRE



Dartmouth General



Hants Community Hospital



Outpatient
Centres



Halifax
Residential
Hospice



QEII - Halifax Infirmary Expansion

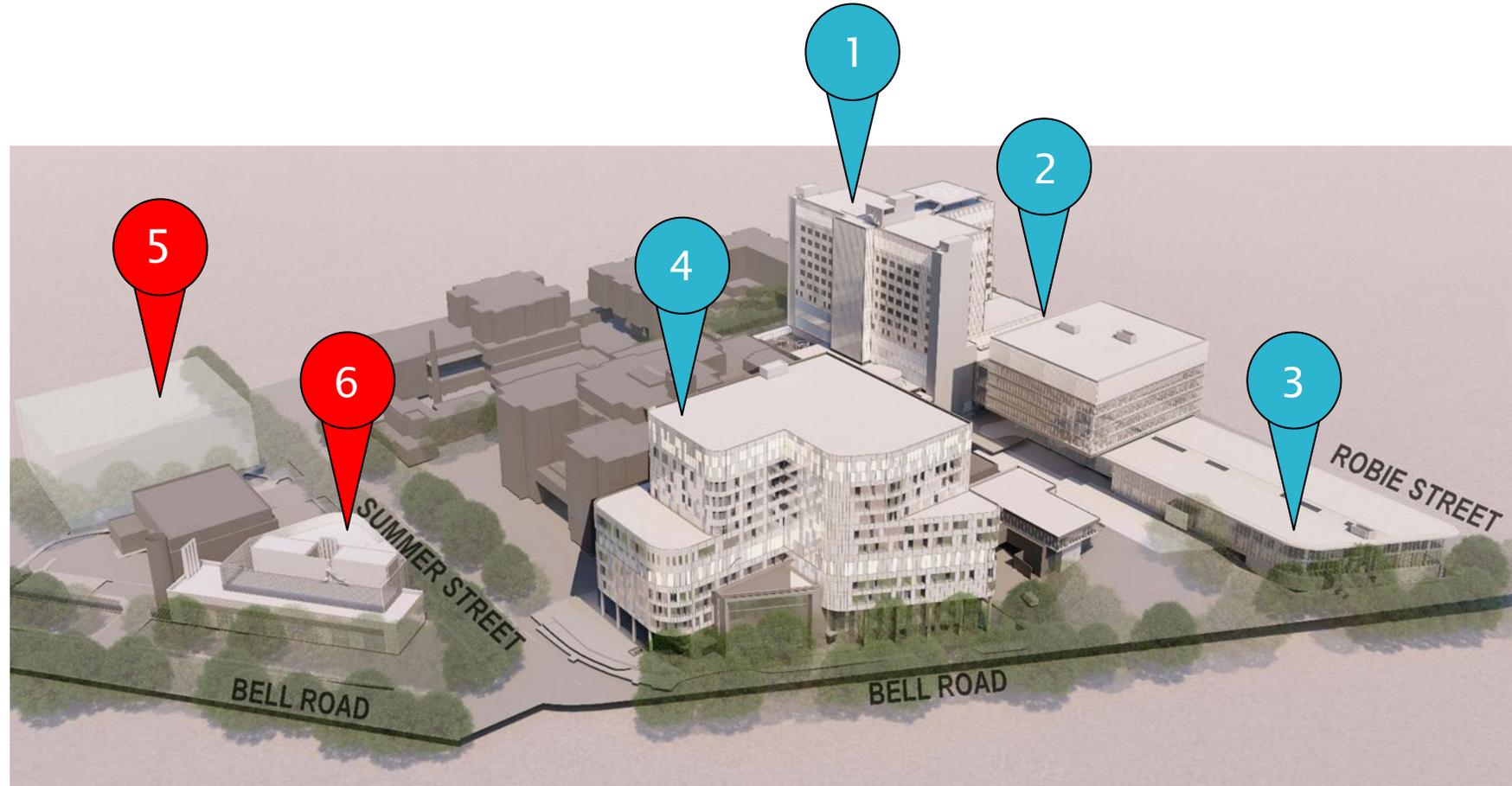
- At the heart of QEII New Generation Project is the expansion of the Halifax Infirmary.
- Almost 1.5 million feet of new space will be constructed at the Halifax Infirmary site.
- The expansion includes four major renovations:
 - New Cancer Centre
 - New Outpatient Centre
 - Expanded Inpatient Centre (more hospital beds and operating rooms)
 - New Research, Innovation and Learning Centre

QEII - Halifax Infirmary Expansion Plan

Project Scope

1. Expanded Inpatient Building
2. New Research, Innovation and Learning Centre
3. New Cancer Centre
4. New Outpatient Centre
5. New Parking Structure (Project design and location still in development)
6. New Heating Plant (Project design and location still in development)

** New proposal brought forward by HRM re: parking and heating plant (February 2020)



QEII Cancer Care

Halifax Infirmary Site

- Original plans had the QEII Cancer Centre staying at the Dickson Building
- During planning consultations, cancer care doctors and staff identified significant concerns with separating inpatient care from treatment.
- Doing so would:
 - Result in some of our sickest patients at the Halifax Infirmary site (approx. a dozen a day) being transferred to the Dickson Building on the VG site for radiation and chemotherapy treatment;
 - Require duplication of high cost equipment such as diagnostic imaging, lab, respiratory therapy;
 - Limit collaboration between cancer doctors and other specialties.
- As a result, the recommendation was to build a new QEII Cancer Centre on the Halifax Infirmary site.

QEII Cancer Care

Halifax Infirmary Site

- The QEII Cancer Centre is currently located at the VG site and will be moved to the Halifax Infirmary site.
- Construction of the new centre will allow all cancer care to be offered in one location.
- It will also enhance the teaching and research mandate.

QEI Cancer Care

Benefits

- Reducing wait times and improving access to care by providing care/treatment in one location eliminating the need to transfer patients between sites (VG and HI).
- Improving access to emergency care for cancer patients.
- Supporting the use of telemedicine by implementing state-of-the-art technology
- Allowing teams to work more closely on patient care, improving collaboration between cancer care other specialties
- Improving research and teaching opportunities, as well as clinical trials
- Creating a modern facility with advanced equipment and technology to help recruit and retain health professionals

Expansion of QEII Inpatient Centre

Halifax Infirmary Site

- Many of the specialized surgeries and services will move from the Victoria General (VG) site to the Halifax Infirmary (HI) site.
- It will have a modern facilities and advanced technologies equipped to handle the most complex care in Atlantic Canada.

Expansion of QEII Inpatient Centre

Halifax Infirmary Site

Work well underway

3rd and 5th Floor <ul style="list-style-type: none">• 1 Hybrid OR (Atlantic Canada's first)• 2 Interventional Suites (Rooms for surgical Procedures)	<ul style="list-style-type: none">• An OR and two suites with state-of-the-art imaging equipment to perform less invasive procedures.

QEII Outpatient Centre

Halifax Infirmary Site

- The new HI outpatient centre will combine most outpatient services currently offered at the HI and VG site in one location.
- These services do not require an overnight stay in hospital.

QEI Outpatient Centre

Benefits

- Improving access to care
- Reducing the number of visits to the hospital by coordinating appointments through better technology and communications
- Providing access to new equipment and technology which will help advance research and treatments
- Continuing to provide residents of metro Halifax a convenient location for care
- Providing modern, state-of-the-art facility to help recruit and retain health professionals

QEII Research, Innovation and Learning Centre

Each year the QEII Health Sciences Centre supports over:

- 320 medical students
- 450 medical graduates (residents and fellows)
- 3,000 students from nursing and other health professions

The Research, Innovation and Learning Centre will support the QEII's teaching and research mandate

QEII Research, Innovation and Learning Centre

Benefits

- Bringing three learning and training simulation labs together in one location
- Bringing all care programs on one site, increasing ability for learners to learn in a collaborative setting
- Providing modern conference and education rooms with technology to support distance education to other NSHA facilities throughout the Province
- Providing a modern, state-of-the-art facility that will enhance evidence-based practice and recruitment and retention of doctors, nurses and other health professionals to Nova Scotia

Other Components of QEII New Generation Project

- Community Outpatient Centre in Bayers Lake
- Dartmouth General Hospital Expansion and Renovations
- Hants Community Hospital Renovations
- Hospice Halifax

Community Outpatient Centre in Bayers Lake

Community Outpatient Centre in Bayers Lake

- The new Community Outpatient Centre in Bayers Lake will offer many of the same types of clinics and appointments currently offered at the VG and HI sites.
- It will provide a more convenient option for the thousands of Nova Scotians who have to travel to Halifax for certain services.

Community Outpatient Centre

Site Selection Criteria



Primary Site Criteria:

- A) 12-20 acres of vacant land
- B) Defined geographical area of west Halifax

Result:

14 potential sites

Cursory Review of the sites included:

- A) Availability
- B) Size
- C) Location
- D) Ease of acquisition
- E) Cost
- F) Transportation accessibility
- G) Ease of development
- H) Topography
- I) Environmental issues
- J) Wetlands
- K) Traffic infrastructure
- L) Public transit;
- M) Site services.

Community Outpatient Centre

Bayers Lake



Project Scope

- 146,000+ Square feet Outpatient Centre
- New clinical space for:
 - Eye Care
 - Primary Care
 - Medical/Surgical
 - Hemodialysis
 - OAC and Rehabilitation
 - Diagnostic Imaging
 - Specimen Collection

Current Project Status

- RFP Posted – Summer 2019
- Currently in RFP open period
- Financial close – Summer 2020
- Construction start – anticipated Summer 2020
- Completed and operational 2023



Bayers Lake Community Outpatient Centre

Benefits

- Improving access to care by providing more services in the community
 - Estimate approximately 28,000 clinic visits per year / 30,000 x-ray and lab visits per year
- Providing a more convenient location for Nova Scotians who have to travel to Halifax for certain appointments/services
 - Eliminating need to navigate busy downtown streets
 - Providing about 500 parking spaces onsite;
- Providing primary care to people in the community;
- Providing doctors, nurses and other health professionals a modern place to work with advanced equipment and technology;
- Providing a modern state-of-the-art facility to help recruit and retain health professionals.

Programming Overview HIGHLIGHTS



30,000 Diagnostic Imaging and Laboratory Services visits/year



28,000 Medical/Surgical Clinic visits/year (approx)



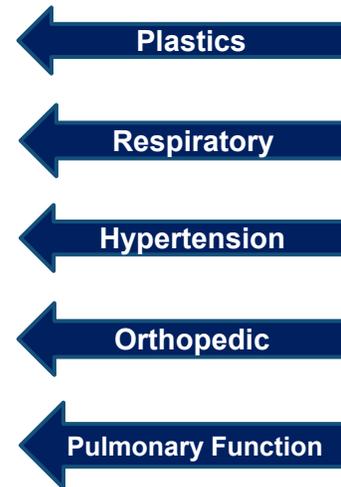
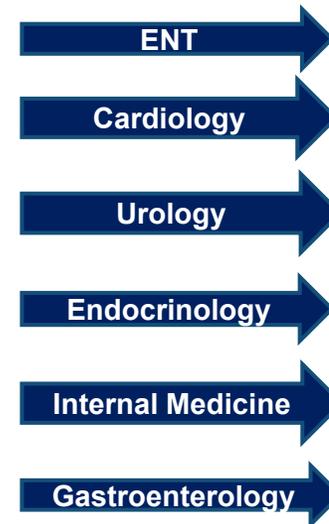
24 Dialysis Stations



Rehab Services OT/PT

Community
Outpatient
Centre,
Bayers Lake

Urgent Care Centre



Dartmouth General Hospital Expansion and Renovations

Dartmouth General Hospital Expansion and Renovations



Hants Community Hospital Renovations

Hants Community Hospital's Operating Rooms

Completed February 2018



Hospice Halifax

Hospice Halifax Completed April 2019



Project Components

Milestone	Completion Date
1. Hants OR Renovation (\$3.8M)	Completed Winter 2018
2. Master Planning – DBFM (\$7.3M)	Completed Summer 2018
3. Halifax Hospice	Completed April 2019
4. DGH 3 rd and 4 th Floor Renovation	Fall 2017
5. DGH New Operating Rooms, Endoscopy and Cardiac Diagnostics Completed Dec 10, 2019	
6. DGH Renovation and Addition (\$134.8M Approved Oct 2016 + 8.58 M Approved Jan 2019	2021 (Full Completion)
7. DGH Renovation and Addition – Parking Lot + 10 Acadia St. (\$3.9M + \$2.89M) Approved June 2019	Completed Dec 2019
8. DGH Diagnostic Renovation	Fall 2020
9. DGH Dialysis Expansion (\$7.463M) – Approved Fall 2019	Summer 2020
10. Halifax Infirmary 3 rd Diagnostic Imaging (\$32.2M combined HI 3 & 5)	Spring 2020
11. Halifax Infirmary 5 th Floor Renovations (\$32.2M combined HI 3 & 5)	Fall 2020
12. Chemo Prep Lab (\$6.59M)	May 2020
13. Purchase of CBC Building and Lands (\$4.5M)	Completed
14. Purchase of Lands for Bayers Lake Outpatient Centre (\$7.5M)	Spring 2017
15. CBC Demolition (\$1.6M)	Summer/Fall 2020
16. Healthy Supply Management (\$15.649M) – Approved September 2019	TBD
17. Summer Street Parkade (\$28.5M) – Approved August 2019	Spring 2021

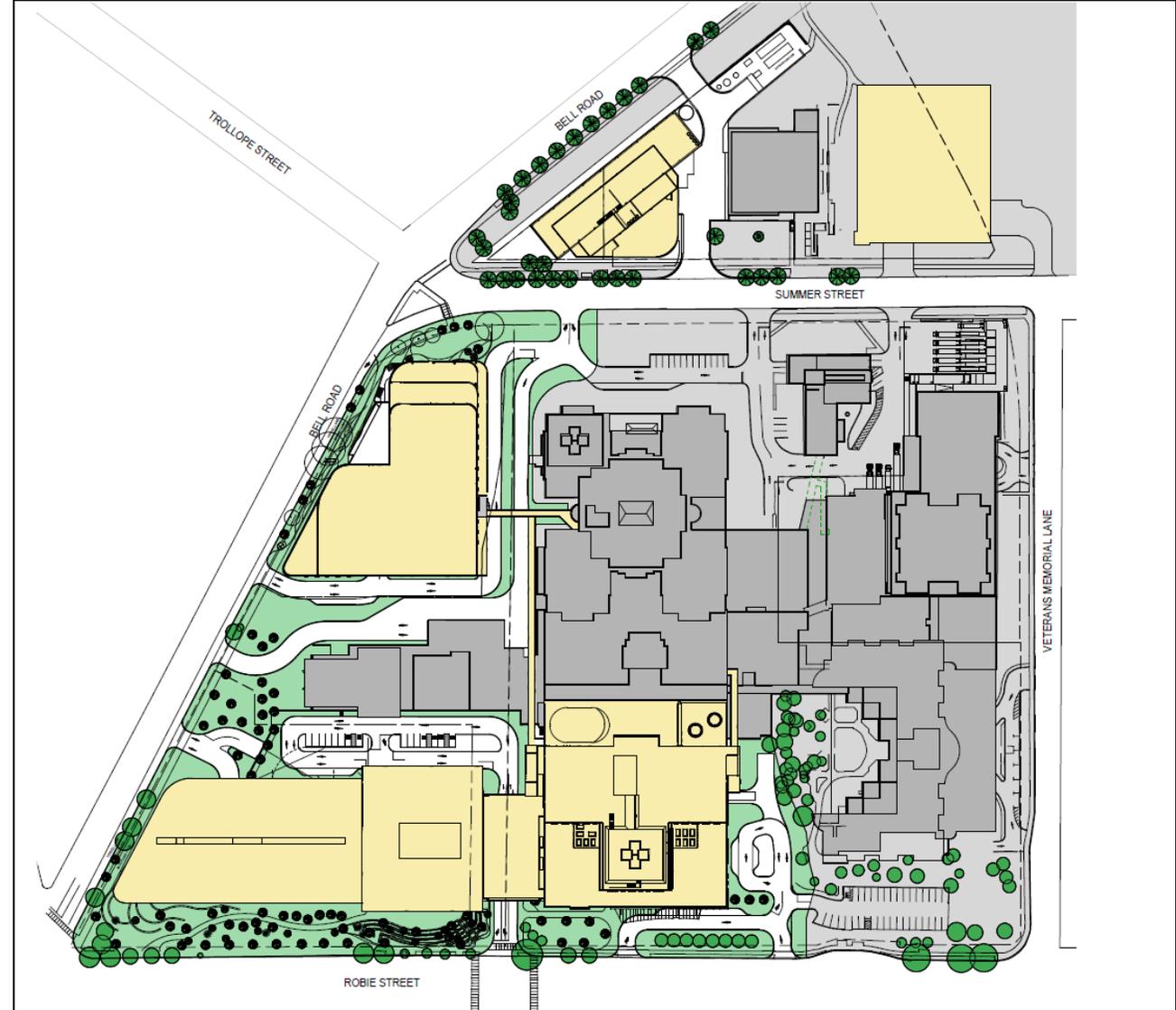
Project Components (continued)

Milestone	Completion Date
18. DBFM Procurement Funding (\$151M) – Approved October 2018	April 2021
19. DBFM – RFSQ Close	
19.1 Bayers Lake – Community Outpatient Centre	May 2019
19.2 Halifax Infirmery Expansion	July 2019
20. DBFM – RFP Release	
20.1 Bayers Lake – Community Outpatient Centre	July 2019
20.2 Halifax Infirmery Expansion	Spring 2020
21. DBFM – RFP Close	
21.1 Bayers Lake – Community Outpatient Centre	Summer 2020
21.2 Halifax Infirmery Expansion	March 2021
22. DBFM Community Outpatient Anticipated Opening	Spring 2023
23. DBFM HI Expansion Anticipated Opening	Winter 2026

Proposed Site Plan

Current Project Status – New Builds

- October 2018, Government approved the design-build-finance-maintain (DBFM) for the HI expansion and the Bayers Lake Community Outpatient Centre
- October 2018, the QEII New Garden Pavilion option was selected
- Eight (8) rounds of user meetings to create output specifications for DBFM
- Clinical layouts and schematic design is being finalized in close consultation with more than 30 clinical user groups
- HI Expansion RFP to be released Spring 2020
- New construction to be completed 2025
- Operational 2026
- New proposal brought forward by HRM re: parking and heating plant (February 2020)



Halifax Infirmary Site – Proposed Parking Strategy

Halifax Infirmary Site – Proposed Parking Strategy

- More than 14,000 people visit the QEII every day.
- The QEII serves patients and families from across Nova Scotia and the Maritimes.
- Of total visitors, 92 percent either drive or are driven and use on-site parking.
- Hospital parking is a challenge now. That pressure is expected to grow with the expansion of the HI site.
- A parking study conducted for the province indicated about 2,700 parking spaces are needed at the HI site.

Parking Figures (Approx.)

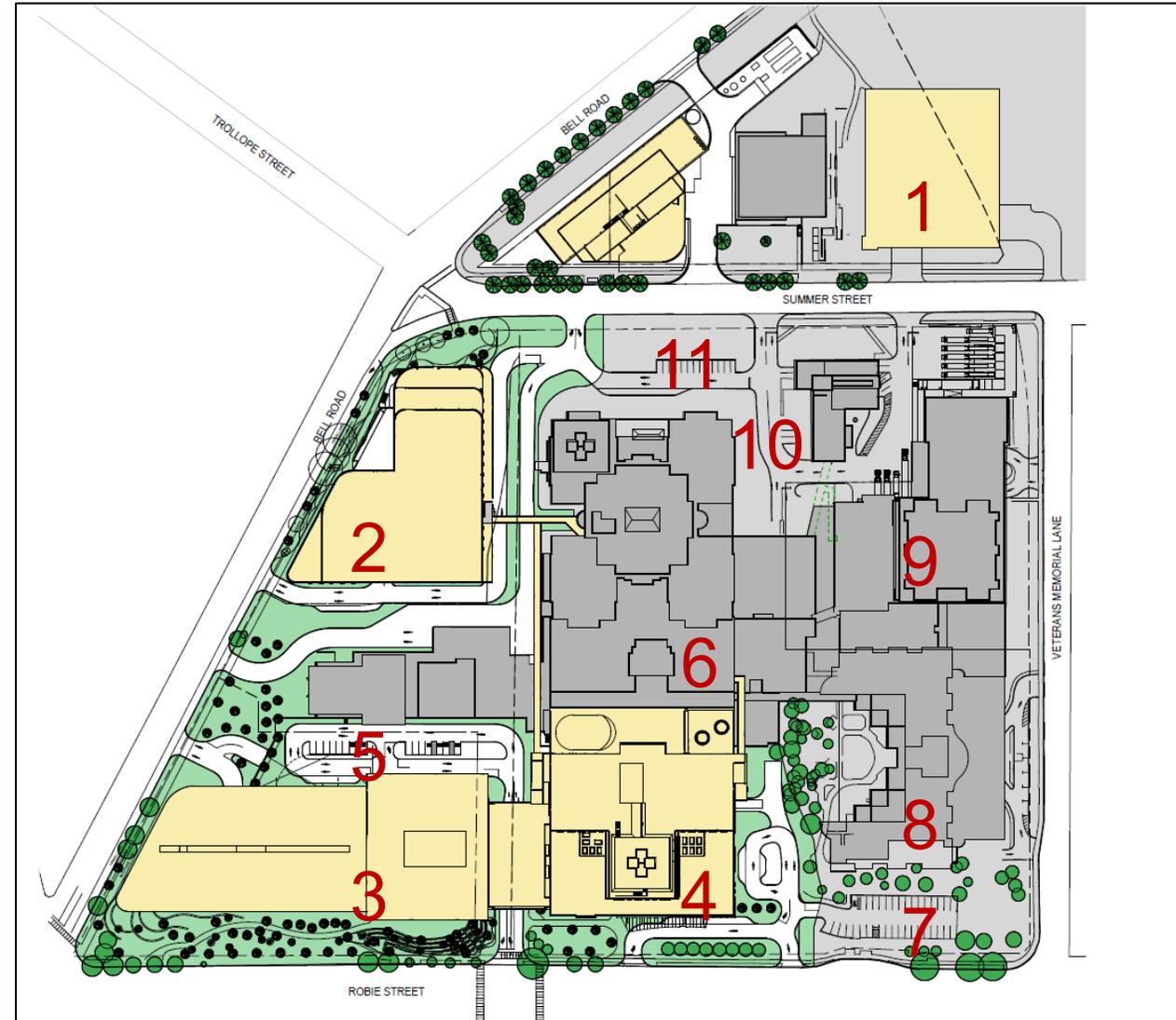
New Onsite Parking – Projected

1. New Parking Structure:	800 New Spaces
2. New Outpatient Building:	272 New Spaces
3. New Cancer Care Building:	443 New Spaces
4. New Inpatient Care Building:	278 New Spaces
5. New surface parking spaces:	<u>23 New Spaces</u>
Total (New)	1,816 Spaces

Existing Onsite Parking to Remain

6. Halifax Infirmary - U/G:	134 Spaces
7. Veterans Memorial – Surface:	35 Spaces
8. Veterans Memorial – U/G:	265 Spaces
9. Abbie J. Lane – U/G:	20 Spaces
10. Current Central Plant – Surface:	4 Spaces
11. Halifax Infirmary – Surface:	<u>10 Spaces</u>
Total (Existing)	468 Spaces

Combined = 2,284 Spaces
Demand = 2,700 Spaces
(~ 416 Spaces) – Absorbed at VG Site



Requests to HRM

1. June 2019: Encroachment for underground services tunnel across Summer Street.
2. August 2019: Summer Street Parkade – Initial land discussions. 1,161 Sq.M +/-
3. September 18, 2019: Encroachment to extend parking garage across Summer Street toward Abbie J. Lane
4. October 2019: Summer Street Parkade – Revised land requirement. 2,586 Sq.M +/-
5. January 2020: Formal request for land license / acquisition

Requests by HRM

- New proposal brought forward by HRM re: parking and heating plant (February 2020)

QUESTIONS?