

An aerial architectural rendering of the Cambridge Recreation Complex and Library at night. The building features a large, flat roof with several rectangular skylights and a modern, angular design. It is surrounded by a large parking lot with many spaces, some of which are occupied by cars. The building is illuminated from within, and the surrounding area includes landscaped green spaces with trees and a winding path. A semi-transparent white box is in the top left corner, and a semi-transparent grey box is at the bottom left containing the date.

# Council Meeting Cambridge Recreation Complex and Library

Sept 26, 2023

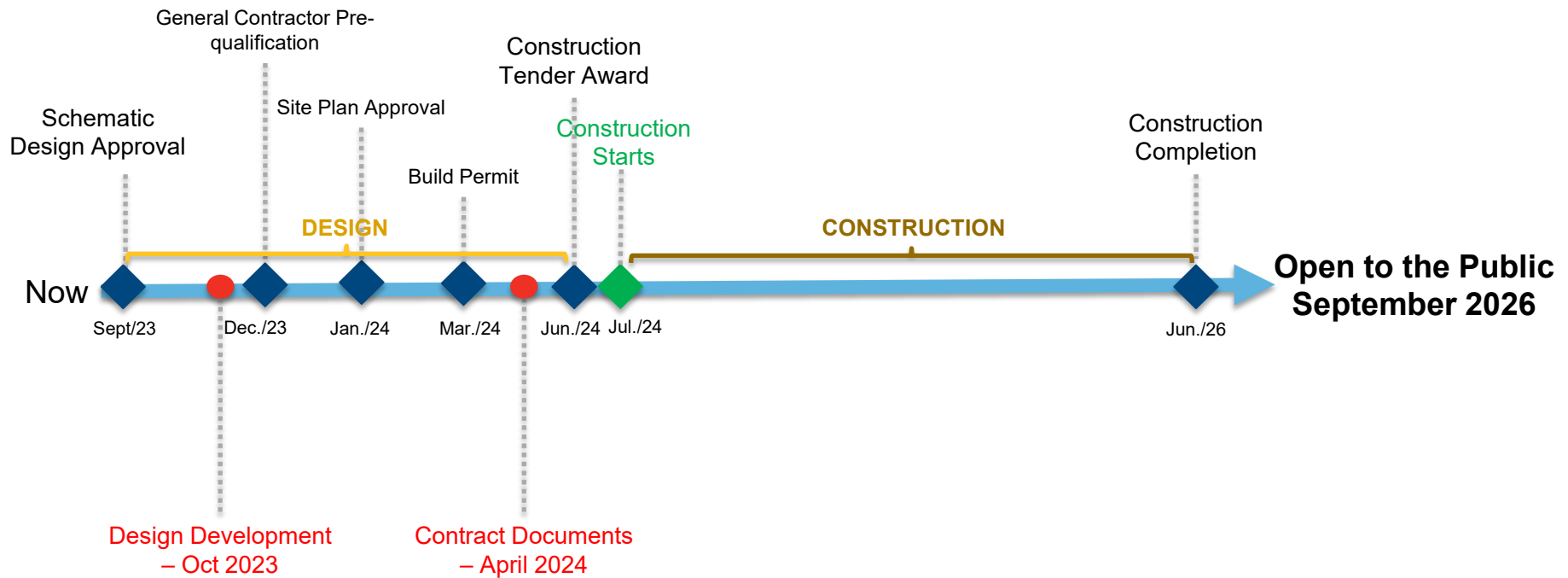
# Schematic Design Approval

	Square Footage	Construction	Soft Costs	Furniture, Fixtures and Equipment	Contingencies	Total Project Cost
Concept Design – Class D	111,248	\$91,100,000	\$7,537,380	\$3,454,800	\$5,843,200	\$107,935,380
Schematic Design – Class C	110,011	\$90,823,812	\$7,537,380	\$3,454,800	\$6,119,388	\$107,935,380

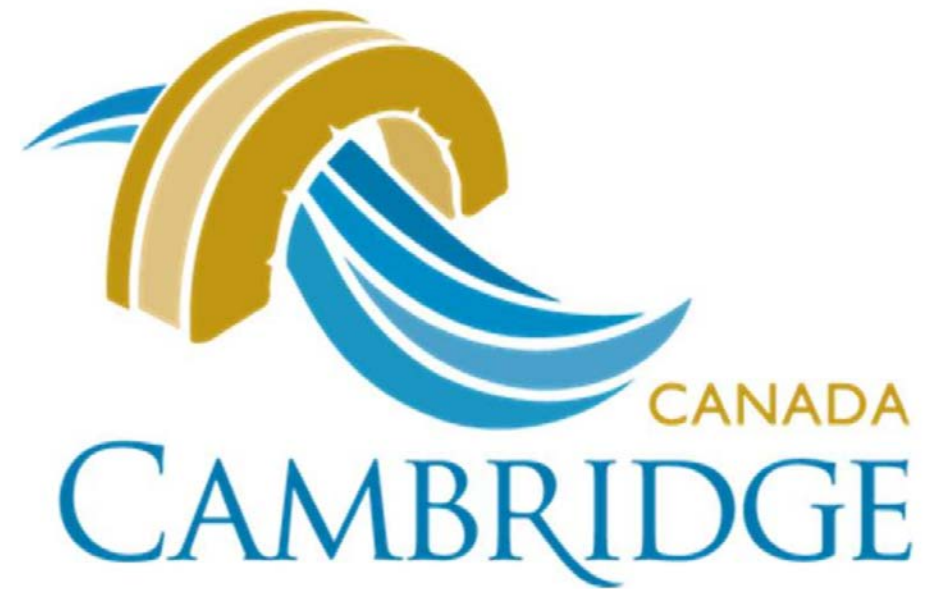
# What is next? – Design Development

- **Pre-consultation with building department**
- **Room Data Sheets**
- **Public Information Communications – Tentative October**
- **Design Development and Class B Costing**
- **SPA First Submission – mid-October**
- **Accessibility coordination ongoing**
- **GICB funding application review ongoing**
- **Finalize site plan integration with School Board Design including multi-use trail**
- **Ongoing discussions with Waterloo Region on East Boundary Rd.**

# Project Schedule - Look Ahead







**CAMBRIDGE RECREATION COMPLEX AND LIBRARY**  
**2023-09-26**

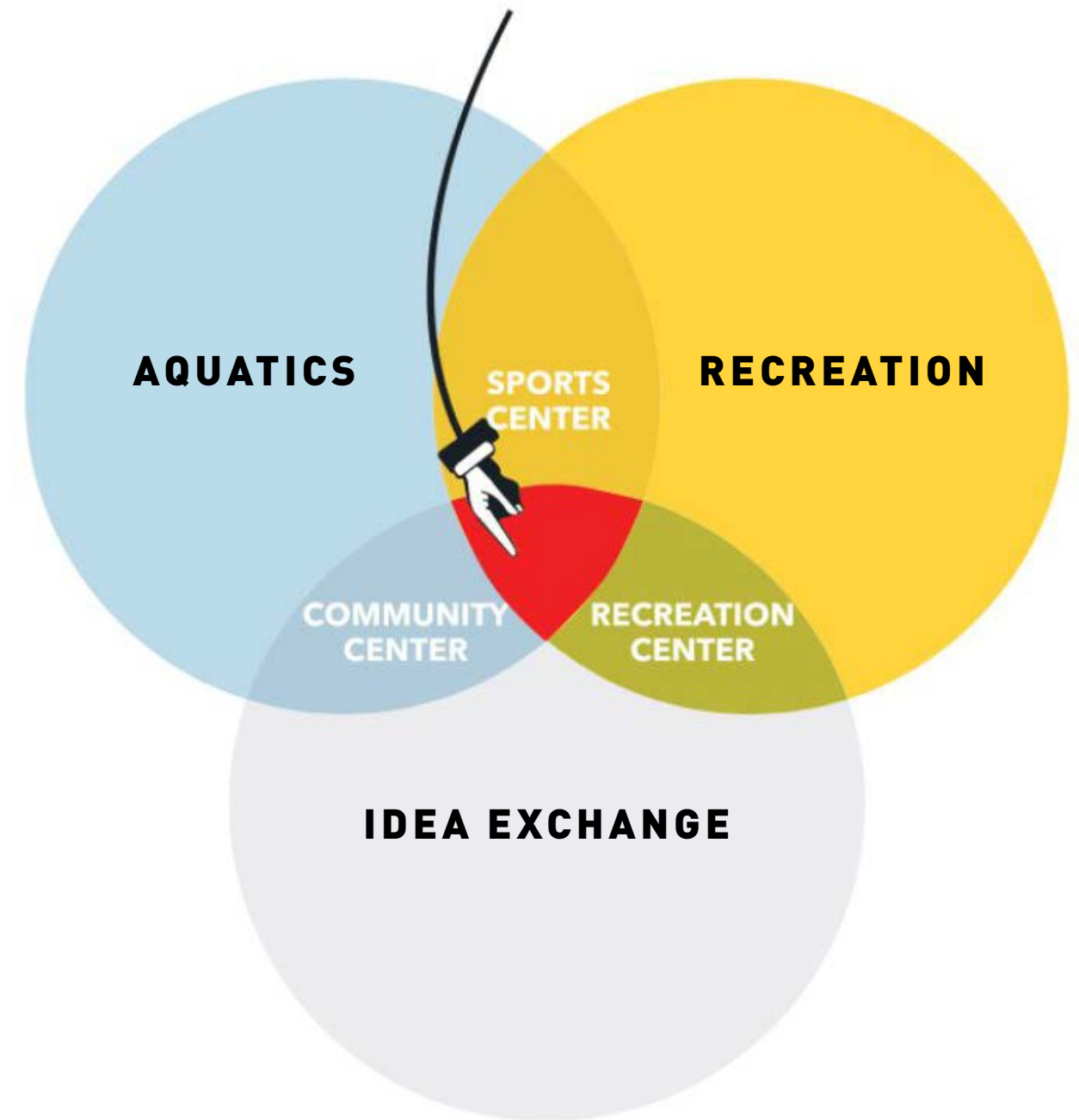
**MJMA**  
ARCHITECTURE & DESIGN

# GUIDING PRINCIPLES

# GUIDING PRINCIPLES

- **CREATE A VIBRANT, INVITING AND MULTI-GENERATIONAL COMMUNITY HUB**
- **LEVERAGE SHARING OPPORTUNITIES**
- **PROGRAM PROMINENCE AND IDENTITY**
- **ANIMATE STREETScape AND CREATE DISTINCT IDENTITY FOR EACH PARTNER**
- **PROVIDE A SAFE AND SECURE DESIGN**
- **FACILITATE FLEXIBILITY**
- **MAXIMIZE GREEN SPACE**
- **ENCOURAGE ACTIVE TRANSPORTATION**
- **INCORPORATE SUSTAINABLE DESIGN**

## DYNAMIC SOCIAL HEART



# SUSTAINABILITY - CURRENT TARGET

## ON TRACK FOR LEED GOLD

### WESLEY BLVD

LEED® BD+C v4 New Construction and Major Renovation Detailed Scorecard

footprint

22596-001

August 1, 2023

Targeted	Pending	Not Pursued	Targeted LEED Rating: Gold Current LEED Rating: Gold	
65	16	29	TOTAL POINTS	
Certified: 40 - 49 points   Silver: 50 - 59 points   Gold: 60 - 79 points   Platinum: 80+ points				



## PLUS

- ELECTRIFIED BUILDING
- UPGRADED HIGH-PERFORMANCE WINDOW AND WALL SYSTEM
- UPGRADED BUILDING ENVELOPE DETAILS
- SOLAR PANEL READY

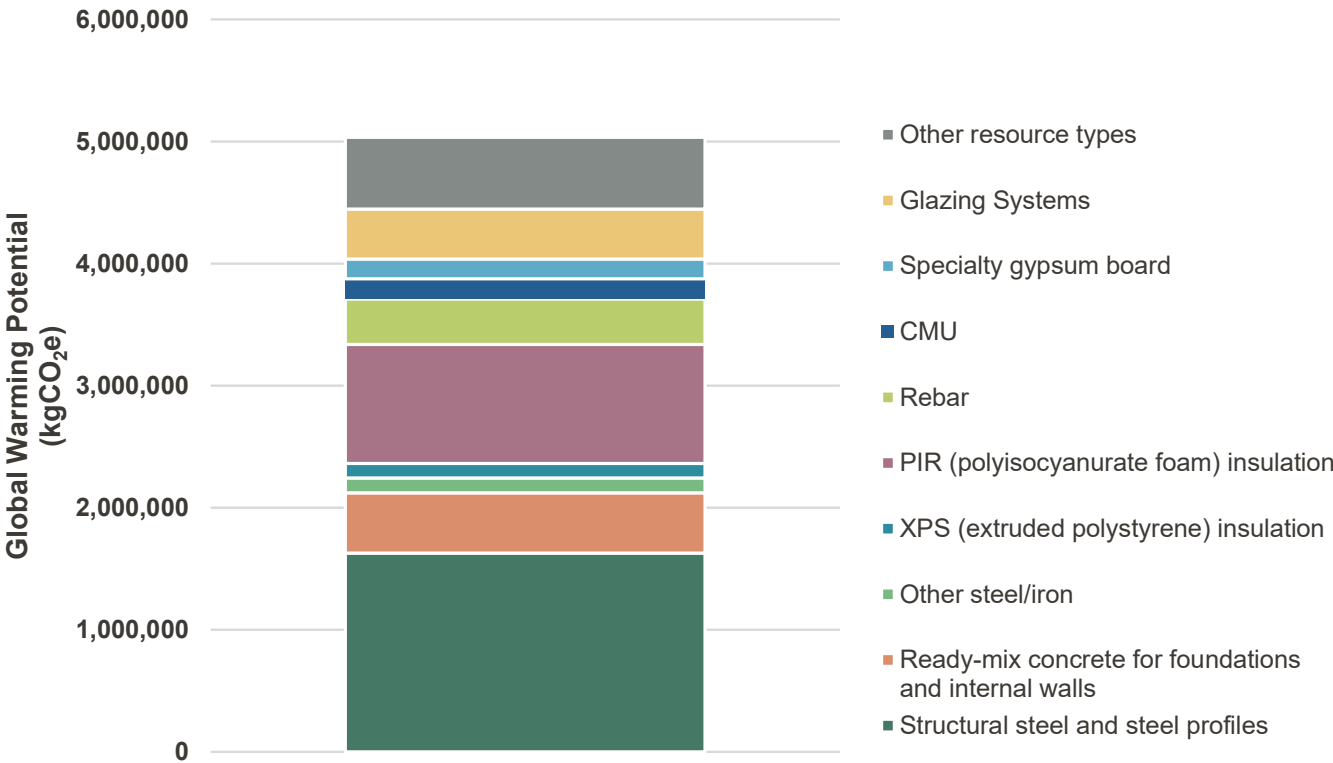


# SUSTAINABILITY - FUTURE TARGET

## NET ZERO CARBON



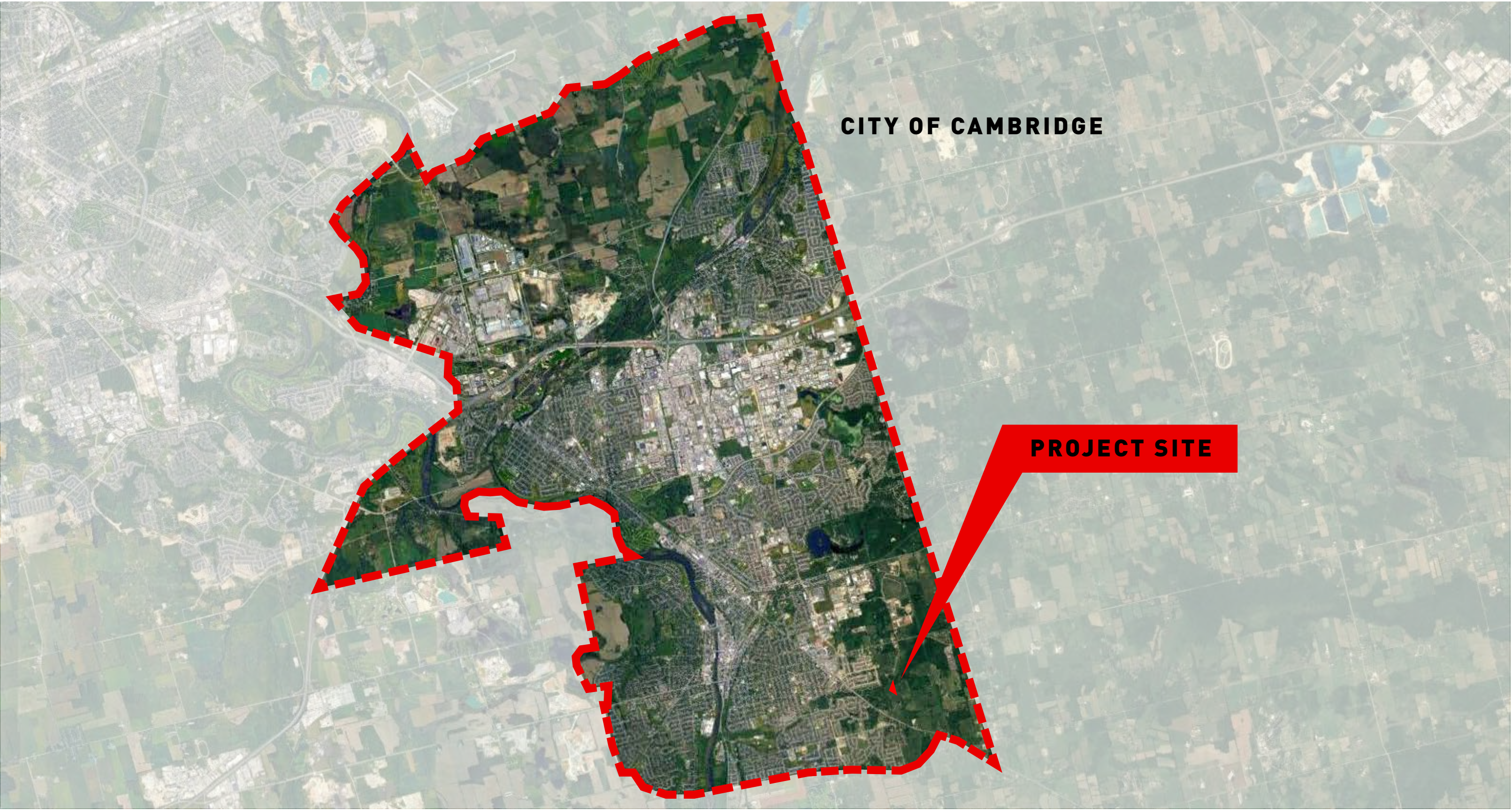
FIGURE 4: GLOBAL WARMING POTENTIAL BY MATERIAL



# SITE AND CONTEXT

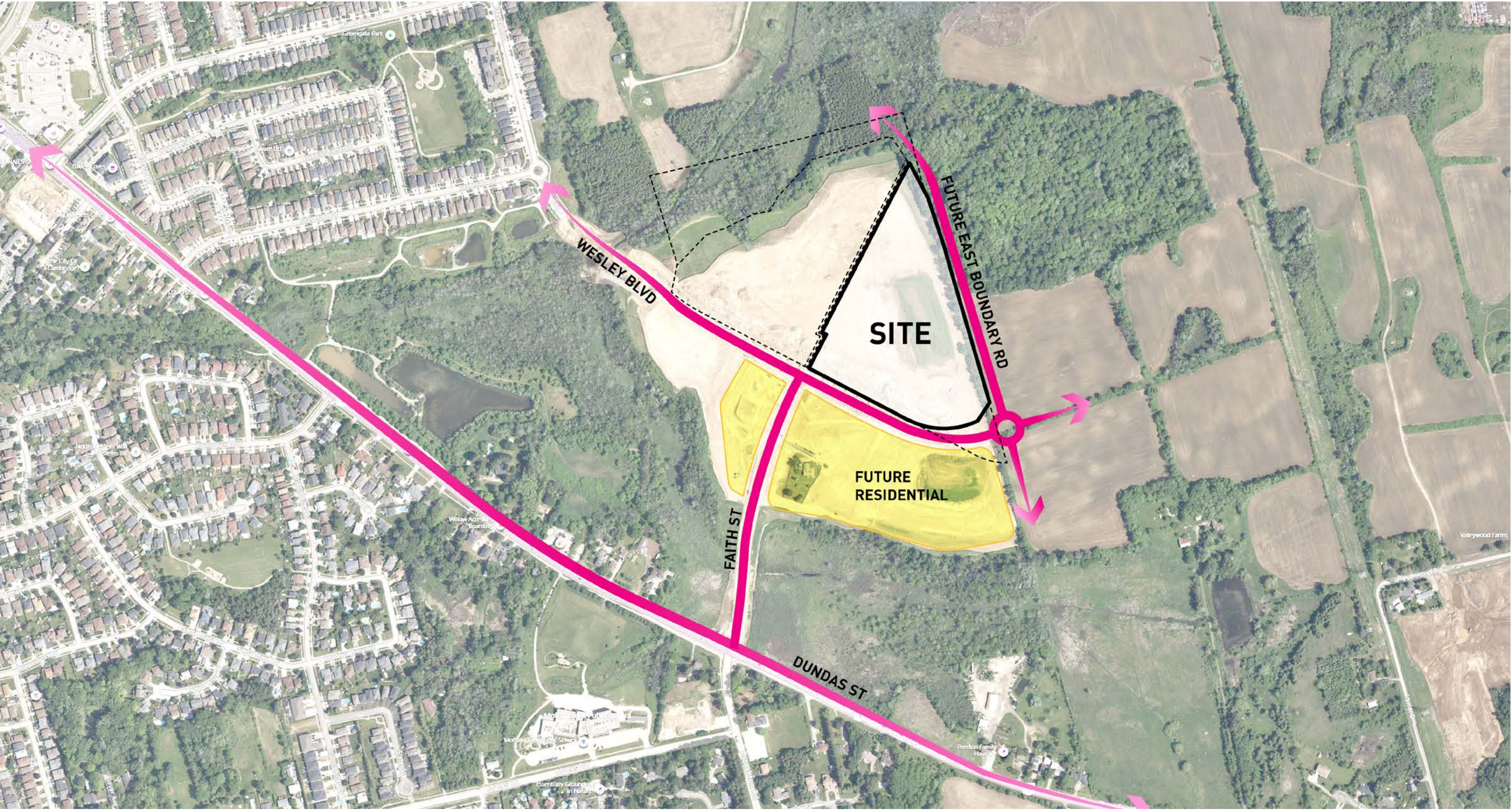


# SITE





# SITE





# COMMENTS FROM COUNCIL

# **COMMENTS FROM COUNCIL**

## **MARCH 30th, 2023 WORKSHOP**

1. Request for cafe or concessions for food
2. Dedicated area for breastfeeding to take place that is separate from washrooms or changerooms
3. Provisions for on-site security space at the main desk
4. Dedicated washroom facilities in the library
5. Exercise equipment in the fitness area
6. Wider lanes on the running track that allow for passing
7. Explore the comfort level with universal changerooms in Cambridge
8. Request for adult change tables in changerooms
9. Consult with Inclusive, Equity and Accessibility Team in Cambridge
10. Request for consultation with Accessibility Advisory Committee
11. Request for consultation with multi-cultural groups on universal vs. standard washrooms

# **SITE PLAN RECAP**



# OVERALL SITEPLAN / MUP \* CRCL

- 1 Parking lot (382 spots)
- 2 Parking entrance plaza
- 3 Reading garden
- 4 Covered porch
- 5 Central green + water feature
- 6 Trail head
- 7 Wild play + fitness park
- 8 Playground entrance
- 9 Picnic grove
- 10 Maintenance area
- 11 Pickleball courts (4)
- 12 Basketball court
- 13 Adventure trail
- 14 Multi-use trail
- 15 Trail head
- 16 Trail head





# COMMENT FROM COUNCIL

“Request for café or concessions for food”

- 1 Parking lot (382 spots)
- 2 Parking entrance plaza
- 3 Reading garden
- 4 Covered porch
- 5 Central green + water feature
- 6 Trail head
- 7 Wild play + fitness park
- 8 Playground entrance
- 9 Picnic grove
- 10 Maintenance area
- 11 Pickleball courts (4)
- 12 Basketball court
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- 15 Trail head
- 16 Trail head



Area provided for food truck events



# PUBLIC ART - POTENTIAL LOCATIONS



“stumble upon” art



sports court mural



view from pool



“playful” art



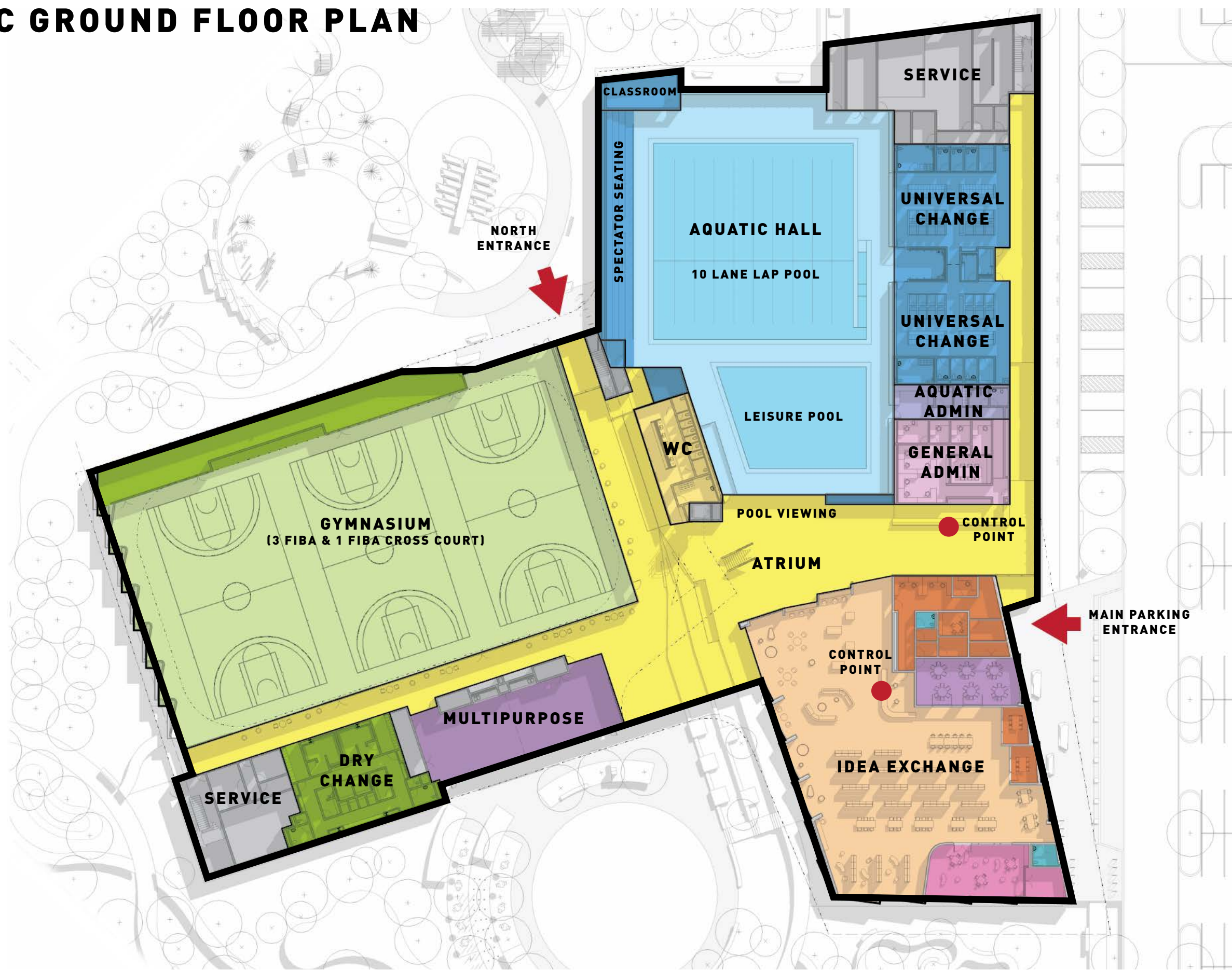
intimate sculpture





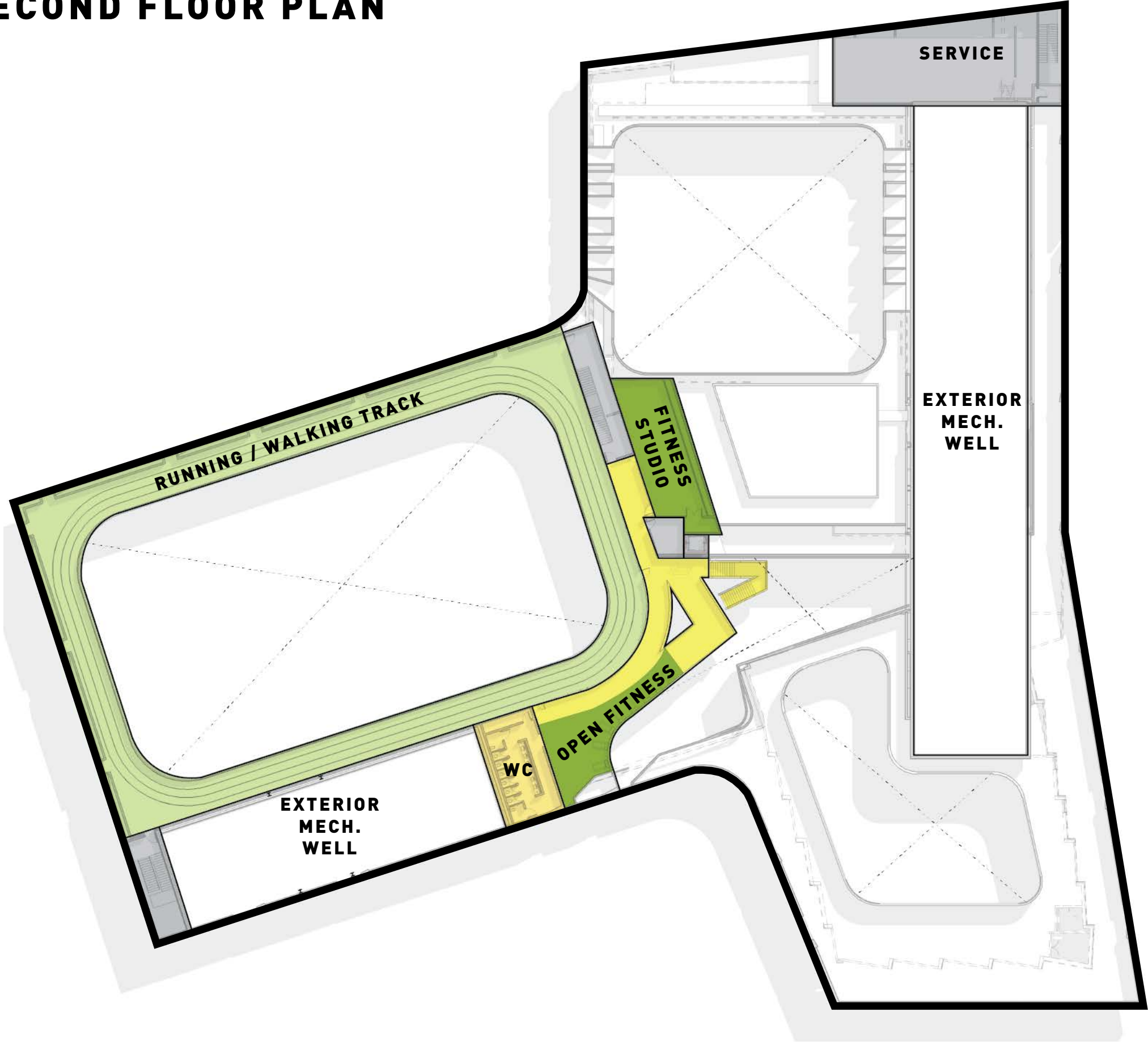
# SCHEMATIC PLANS OVERVIEW

# SCHEMATIC GROUND FLOOR PLAN



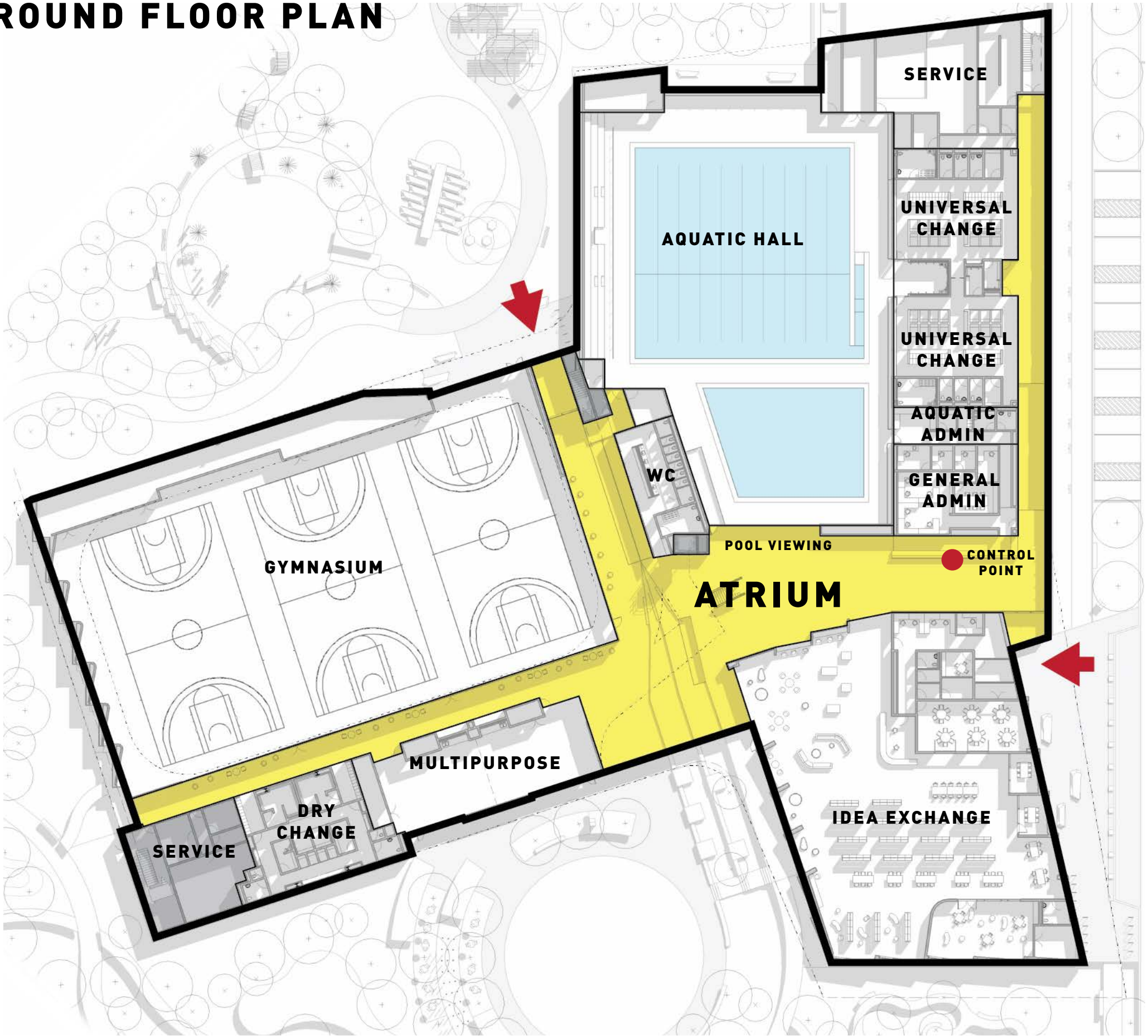


# SCHEMATIC SECOND FLOOR PLAN



# **SCHEMATIC DESIGN - ATRIUM**

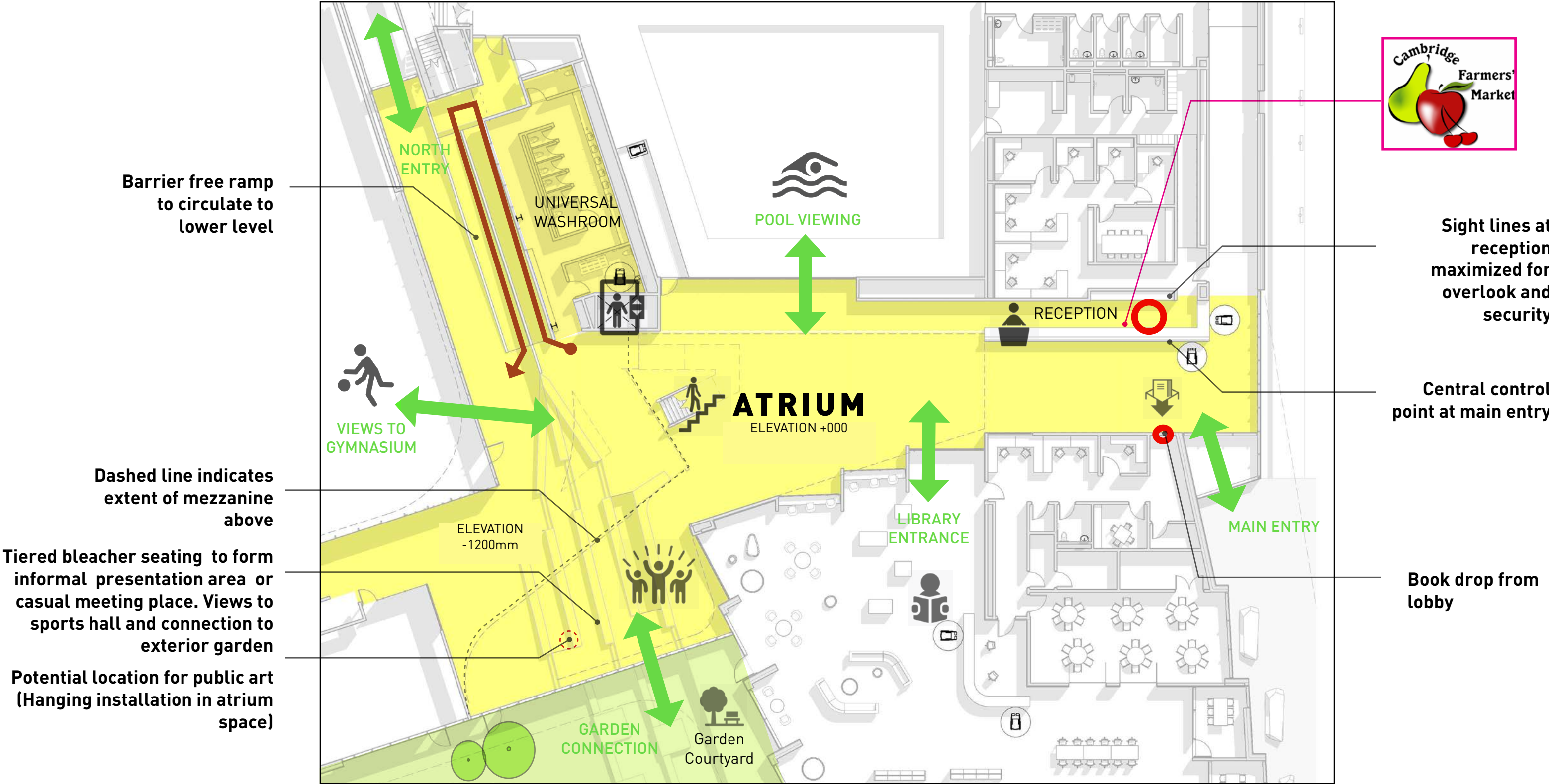
# SCHEMATIC GROUND FLOOR PLAN





# ATRIUM

## SCHEMATIC DESIGN





# ATRIUM OVERVIEW

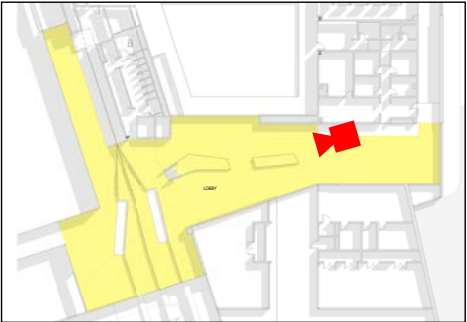






**ATRIUM**  
**VIEW FROM RECEPTION**

Cambridge Recreation Complex and Library

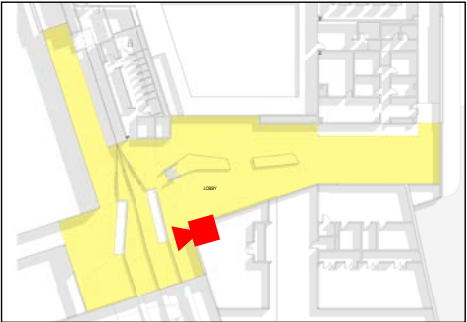






**ATRIUM**  
**TIERED SEATING AT LOWER ATRIUM**

Cambridge Recreation Complex and Library

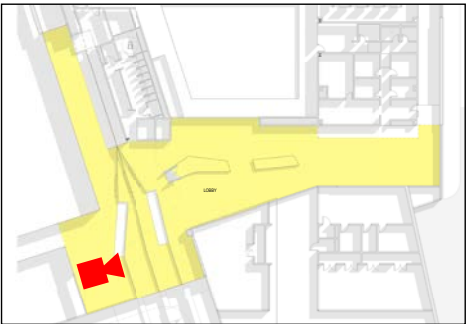






**ATRIUM**  
**TIERED SEATING AT LOWER ATRIUM**

Cambridge Recreation Complex and Library

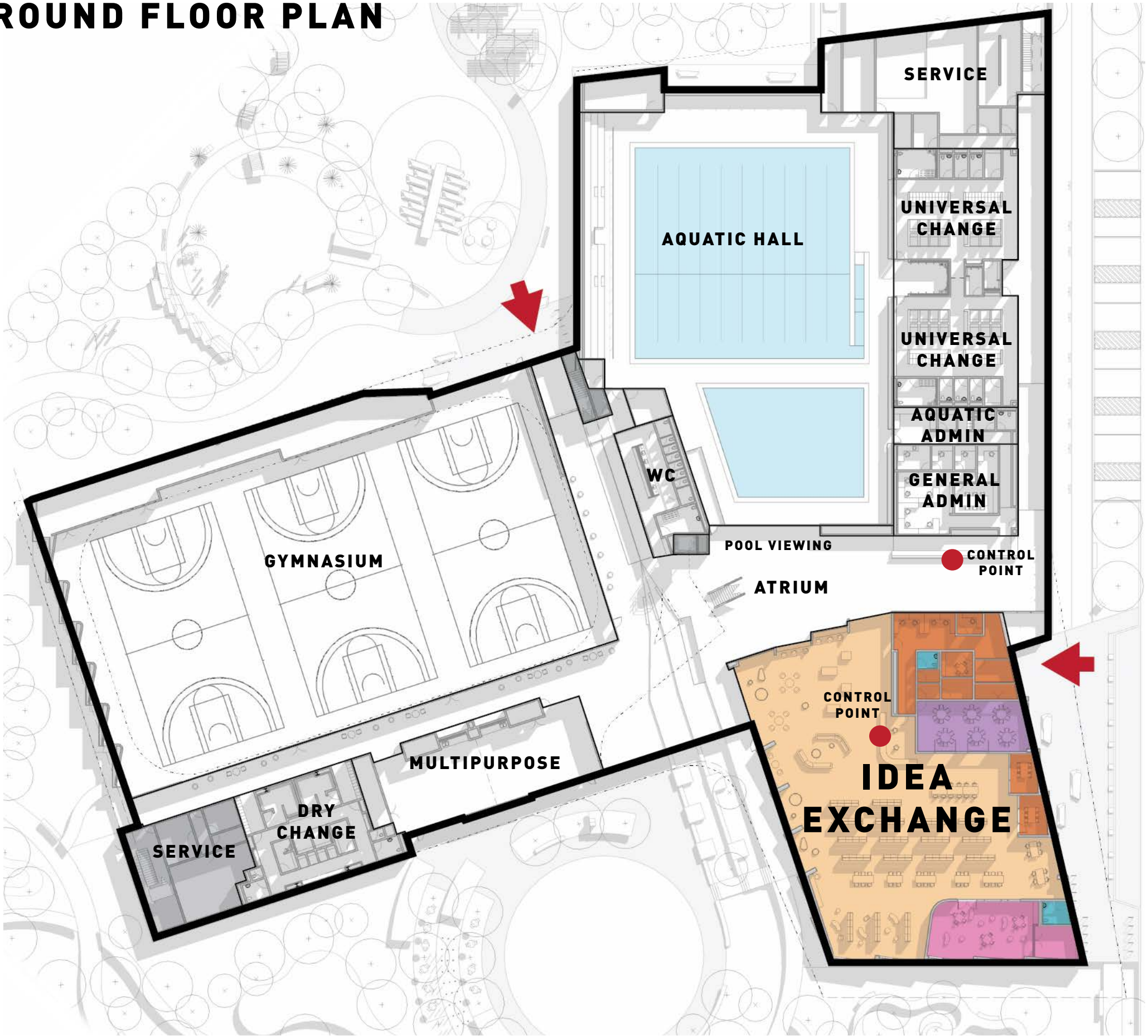




# **SCHEMATIC DESIGN - IDEA EXCHANGE**



# SCHEMATIC GROUND FLOOR PLAN





# IDEA EXCHANGE

## UPDATED PLAN

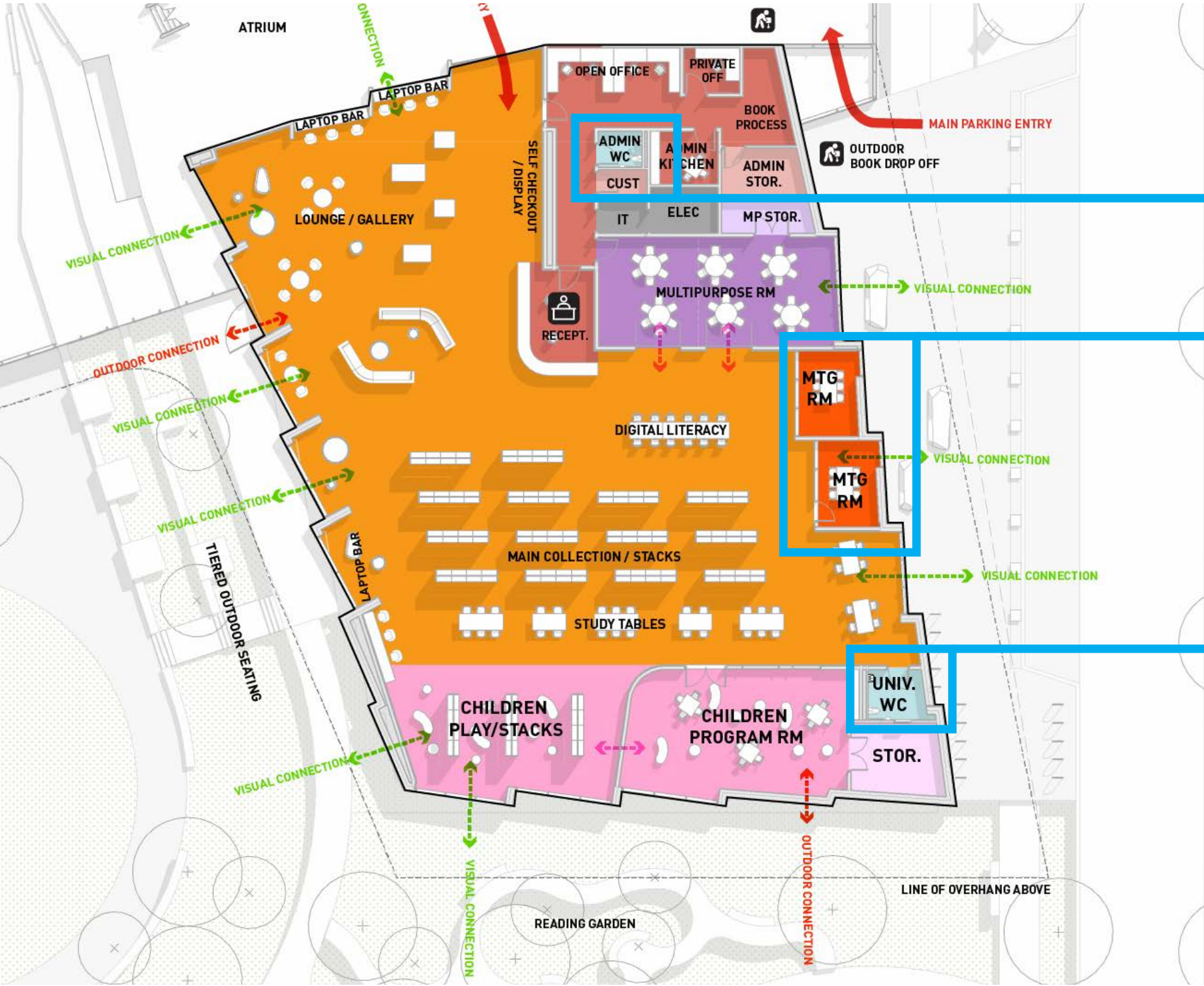




# COMMENTS FROM COUNCIL

“Dedicated area for breastfeeding to take place that is separate from washrooms or changerooms”

“Dedicated washroom facilities in the library”



Dedicated library staff WC

Multipurpose space and meeting rooms designed for greatest flexibility to meet community need (small meetings, quiet study, breastfeeding, etc)

Public library WC





**IDEA EXCHANGE  
LOOKING TOWARDS ATRIUM**

Cambridge Recreation Complex and Library







**IDEA EXCHANGE**  
**OPEN AREA - STACKS**

Cambridge Recreation Complex and Library

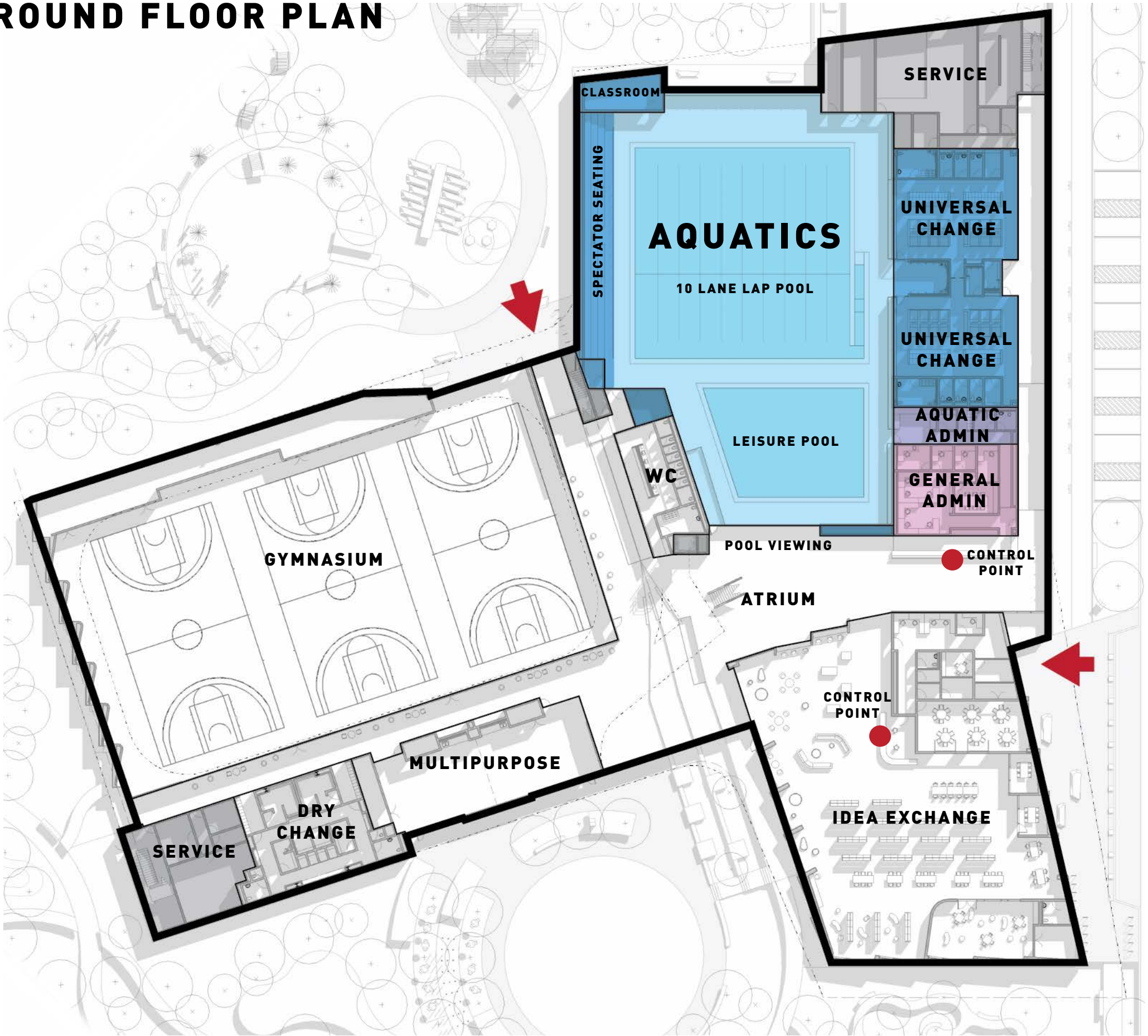




# **SCHEMATIC DESIGN - AQUATICS**



# SCHEMATIC GROUND FLOOR PLAN

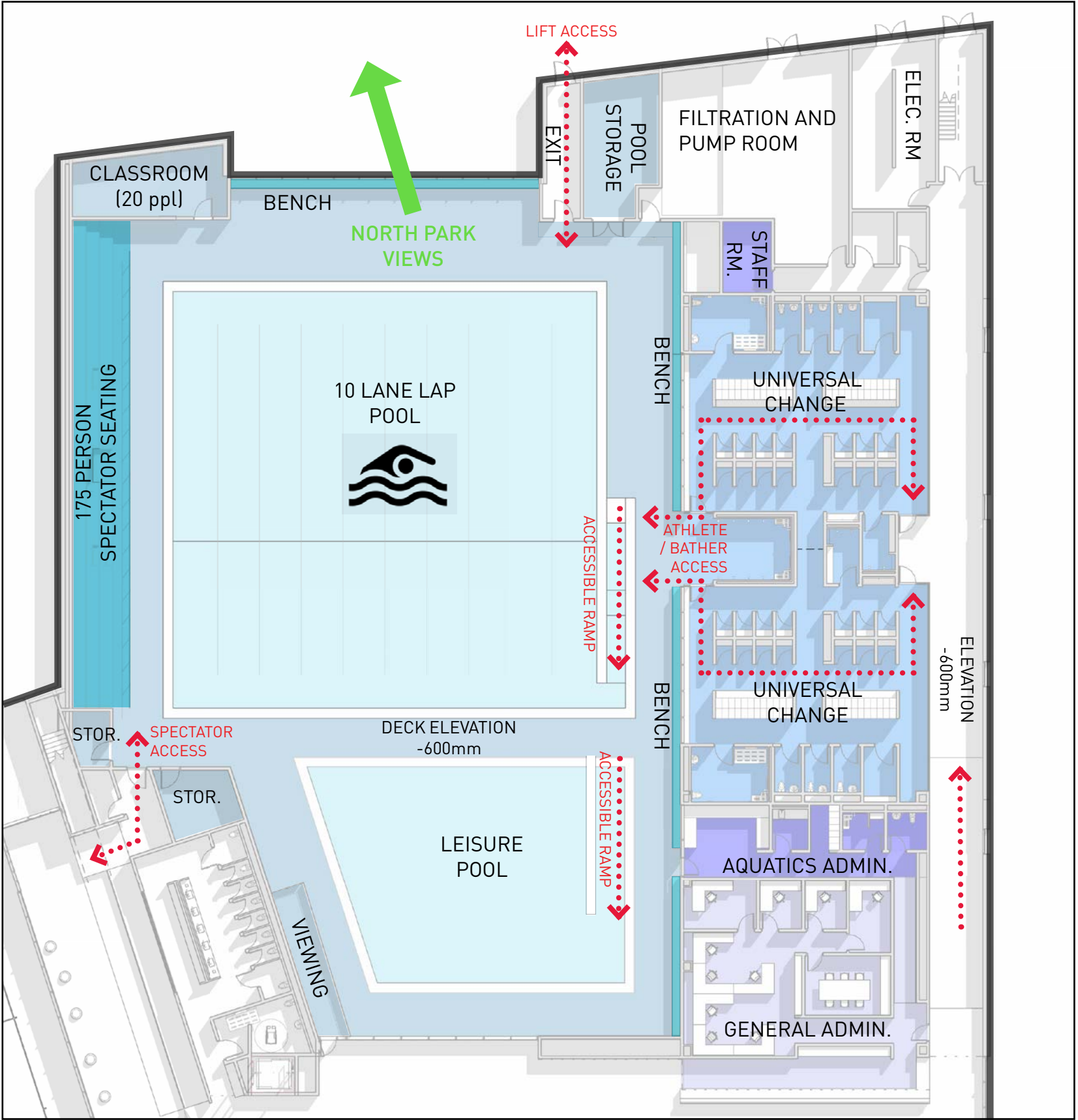


# POOL HALL FLOOR PLAN

ON-DECK BENCH  
SEATING: 120  
PERSONS

SPECTATOR  
SEATING: 175  
PERSONS

**TOTAL SEATING:  
295 PERSONS**





## COMPETITION MODE AND FINA REGULATIONS





# How MJMA Designed the UBC Aquatic Centre's Universal Change Rooms

In developing universal change rooms at the UBC Aquatic Centre, Toronto architecture firm MJMA tackles the issues of privacy, safety and accessibility through design.

WORDS David Dick-Agnew

PHOTOS Ema Peter

POSTED Apr 10, 2018

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A long bank of sinks with touch-free faucets marks the transition from the universal change room to the pool deck beyond.

**In developing universal change rooms at the UBC Aquatic Centre, Toronto architecture firm MJMA tackles the issues of privacy, safety and accessibility through design.**



# UNIVERSAL CHANGEROOMS

## PRECEDENTS



UBC Aquatic Centre

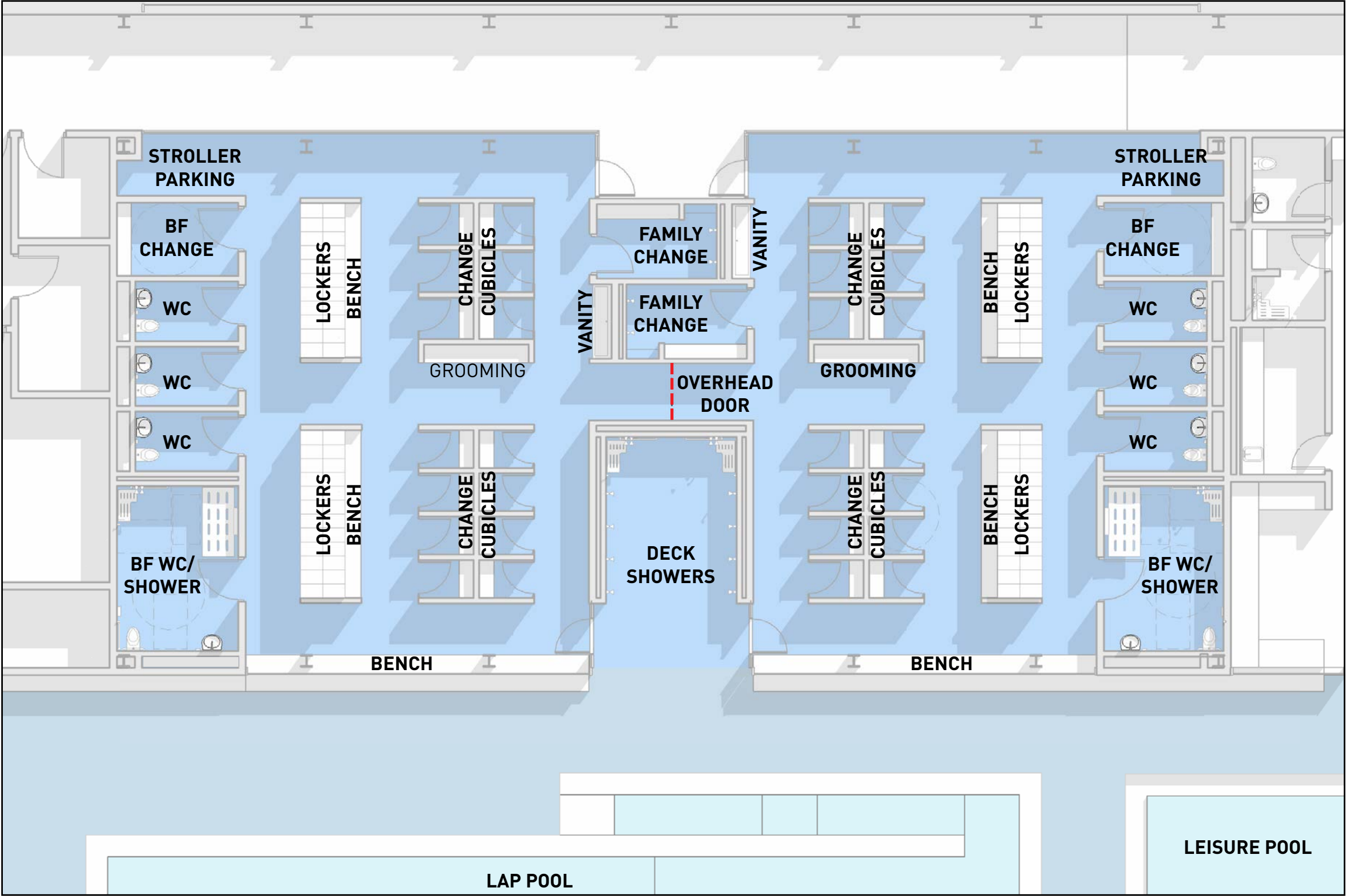


Pam McConnell Aquatic Centre





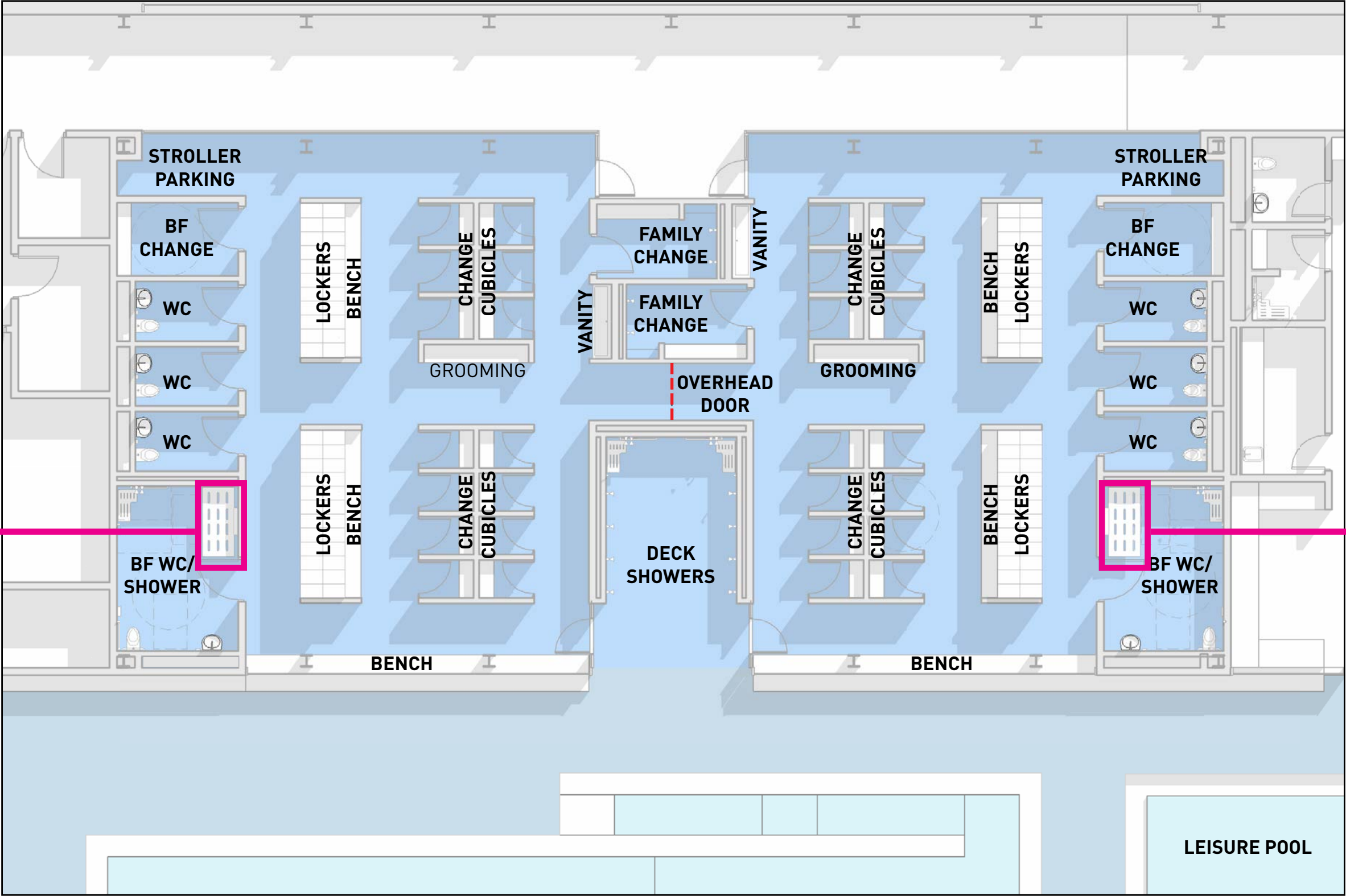
**POOL**  
**UNIVERSAL CHANGE ROOMS**





# COMMENT FROM COUNCIL

“Request for adult change tables in changerooms”

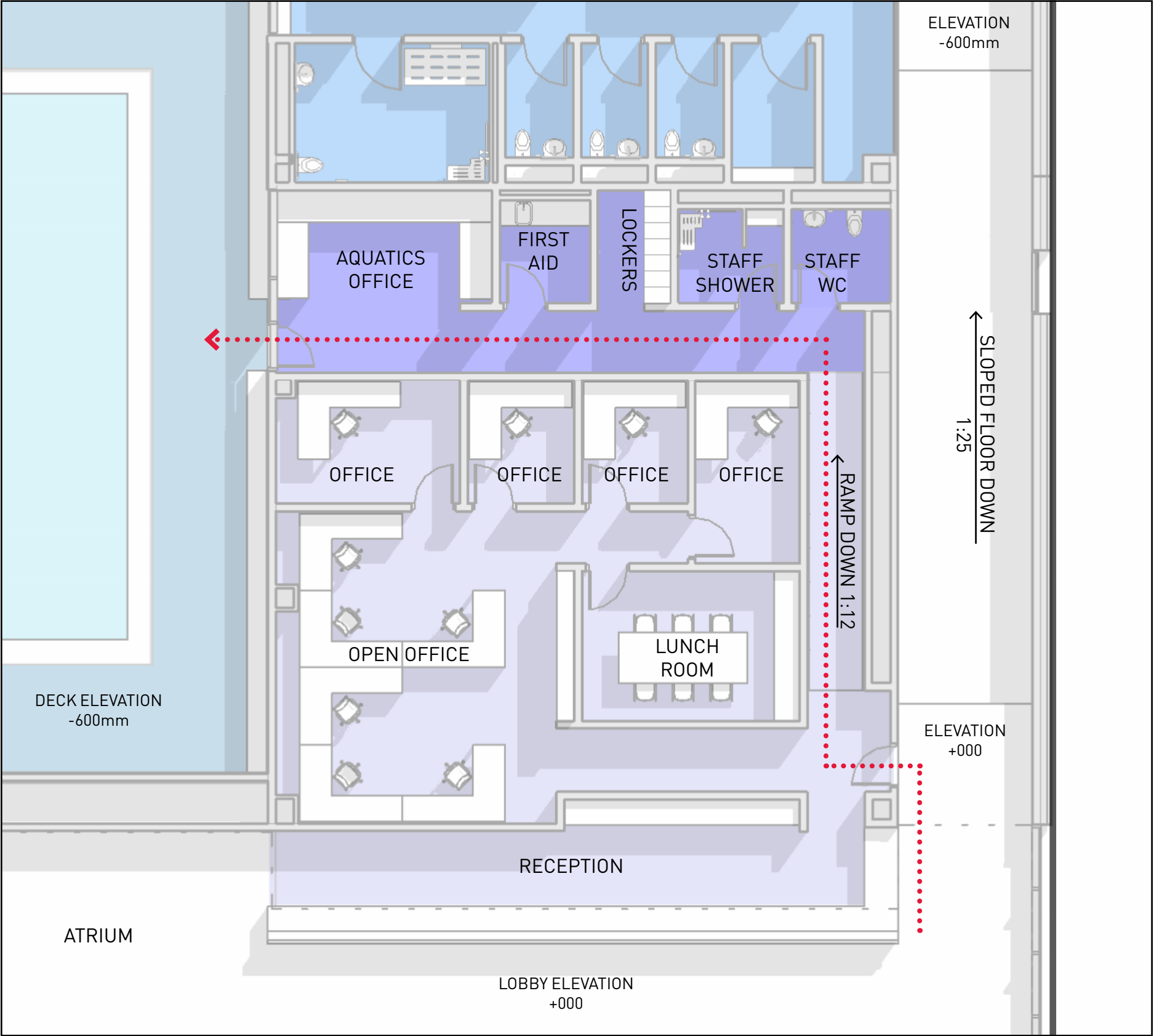


Adult change table at barrier-free WC cubicle

Adult change table at barrier-free WC cubicle

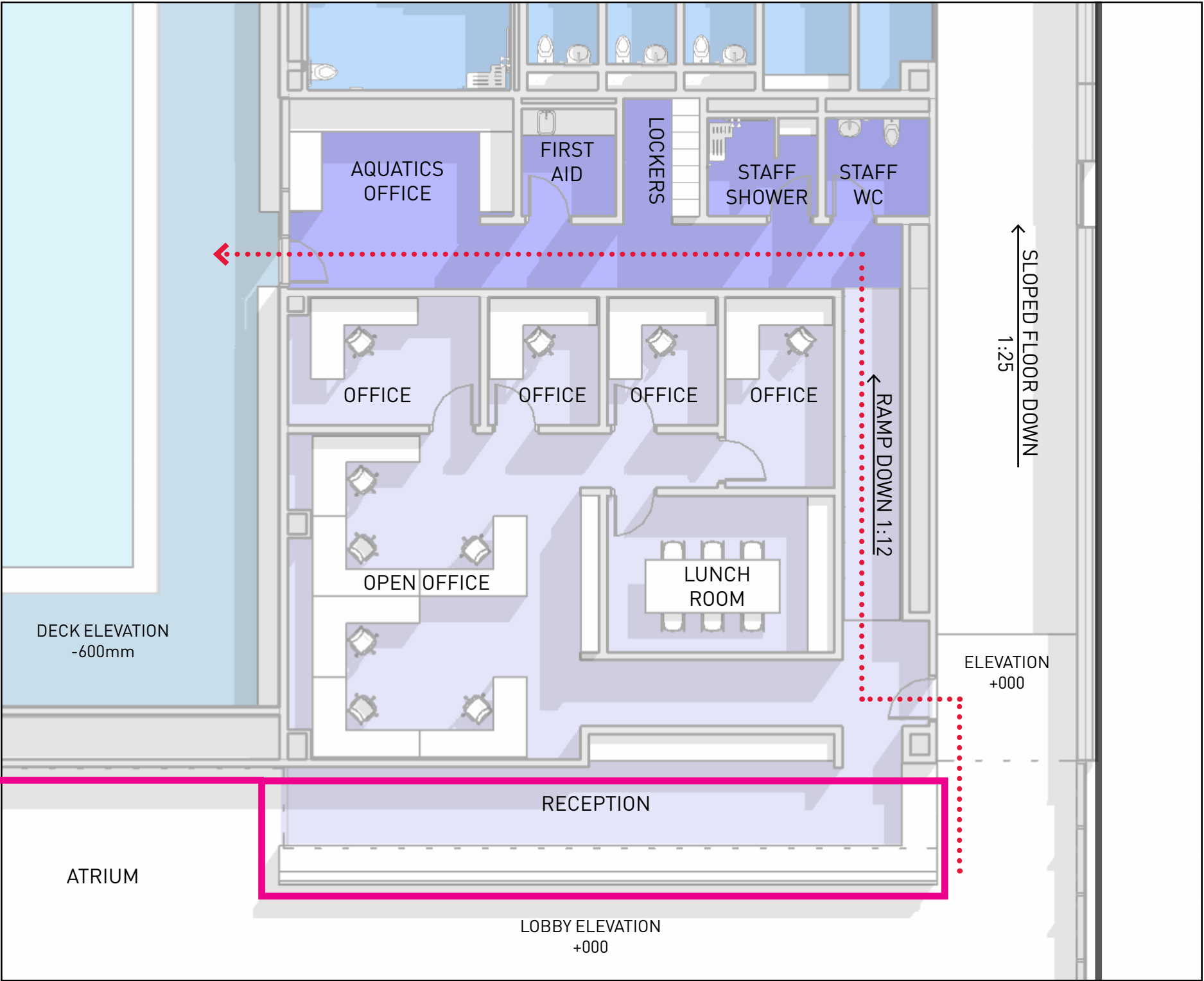


# ADMINISTRATION AREAS FLOOR PLAN



# COMMENT FROM COUNCIL

- “Request for café or concessions for food”
- “Provisions for on-site security space at the main desk”



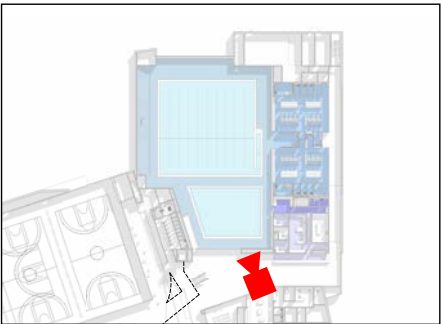
Large reception desk accomodates enhanced customer service and provides space for potential on-site security and/or food service, to be developped further via subsequent design phases





**POOL**  
**POOL VIEWING GALLERY**

Cambridge Recreation Complex and Library

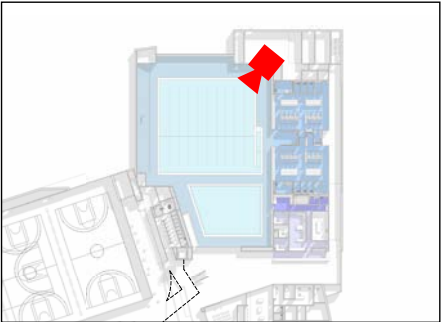






**POOL**  
**10-LANE LAP POOL**

Cambridge Recreation Complex and Library

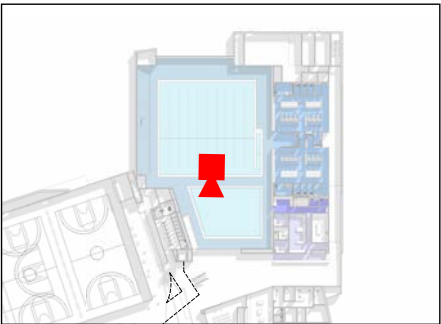






**POOL**  
**LEISURE POOL BASIN**

Cambridge Recreation Complex and Library

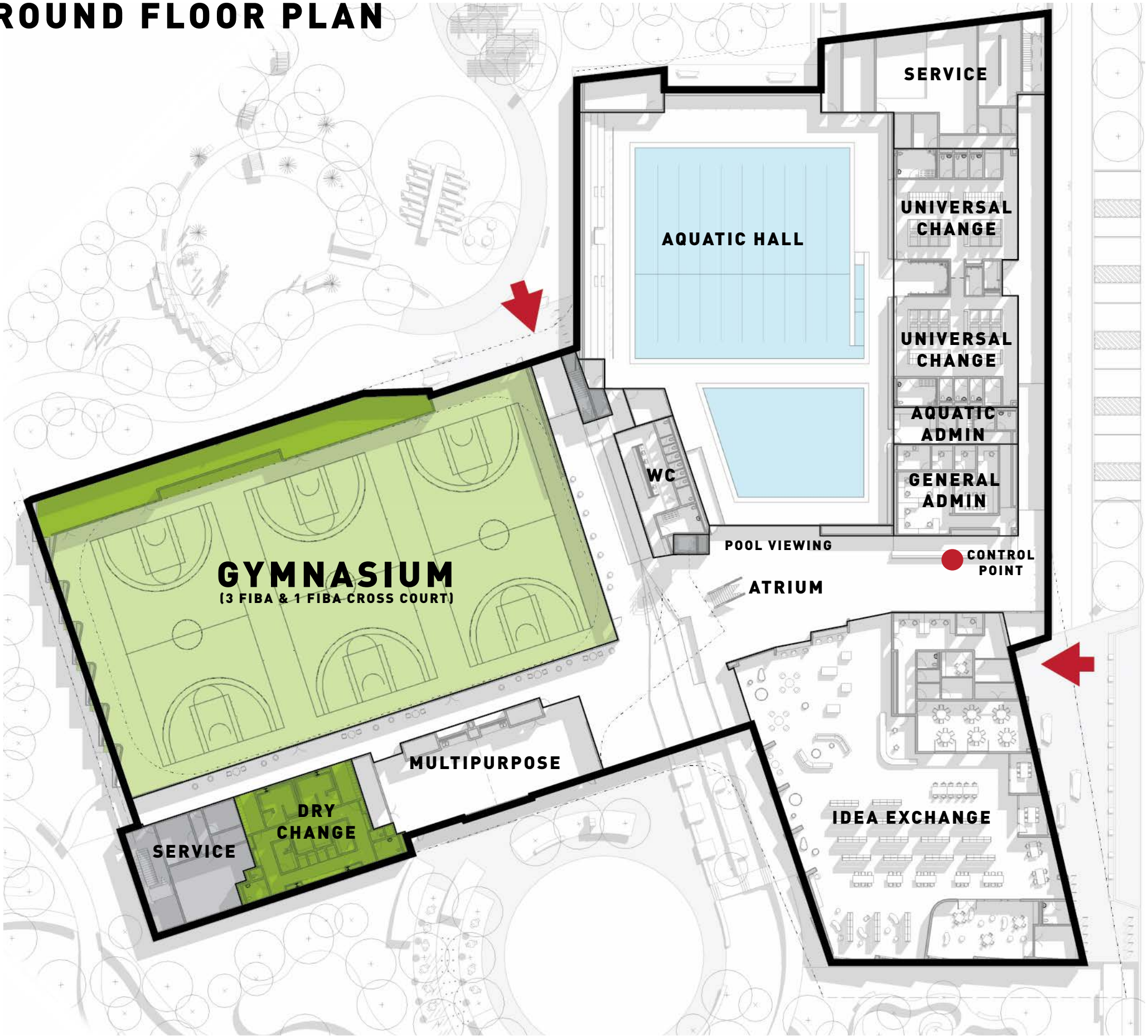




# RECREATION PLAN UPDATE

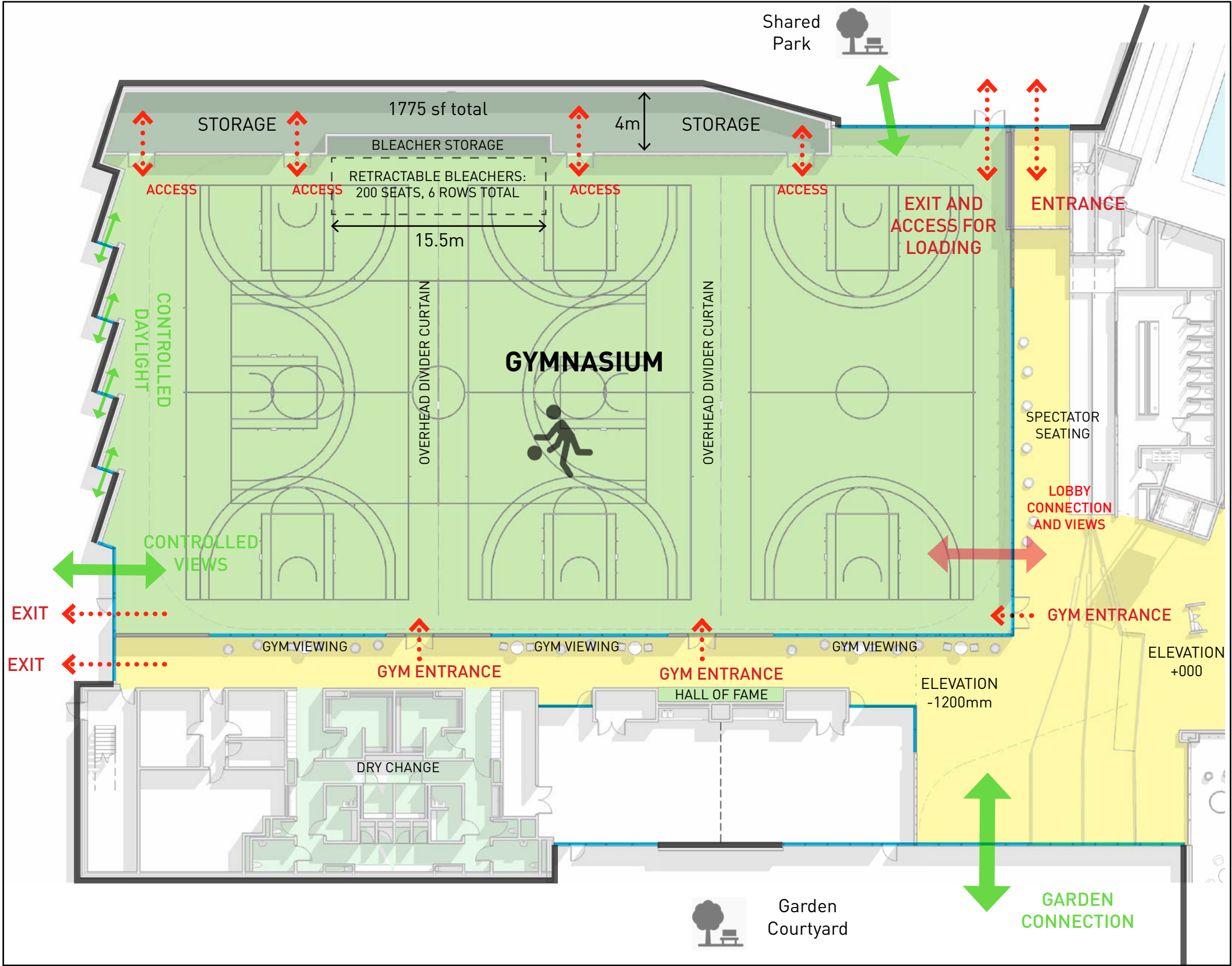


# SCHEMATIC GROUND FLOOR PLAN





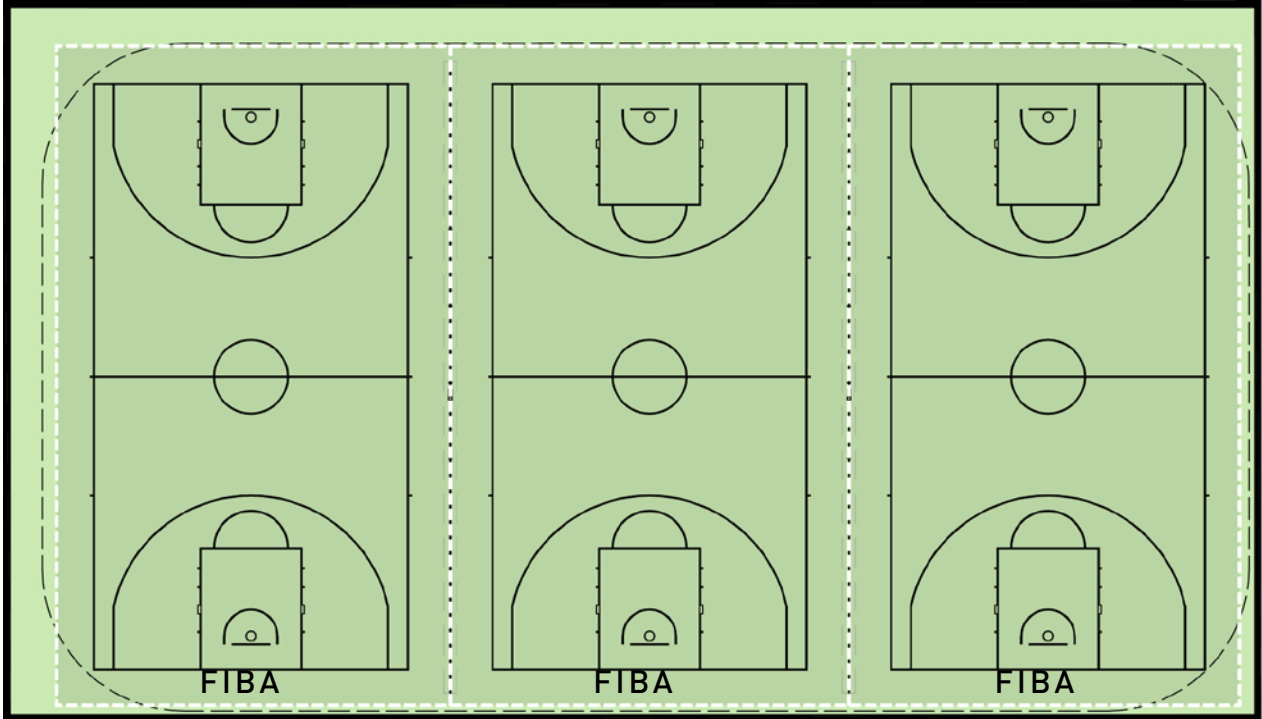
# GYMNASIUM FLOOR PLAN



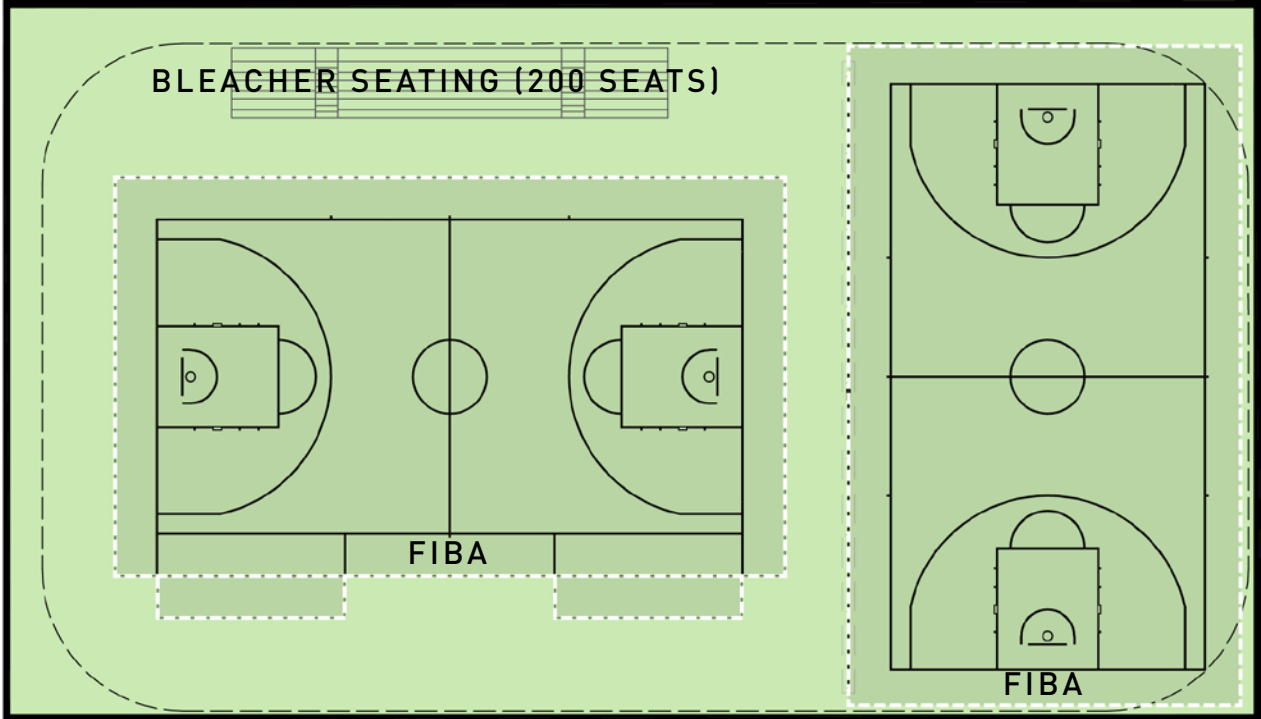


# GYMNASIUM

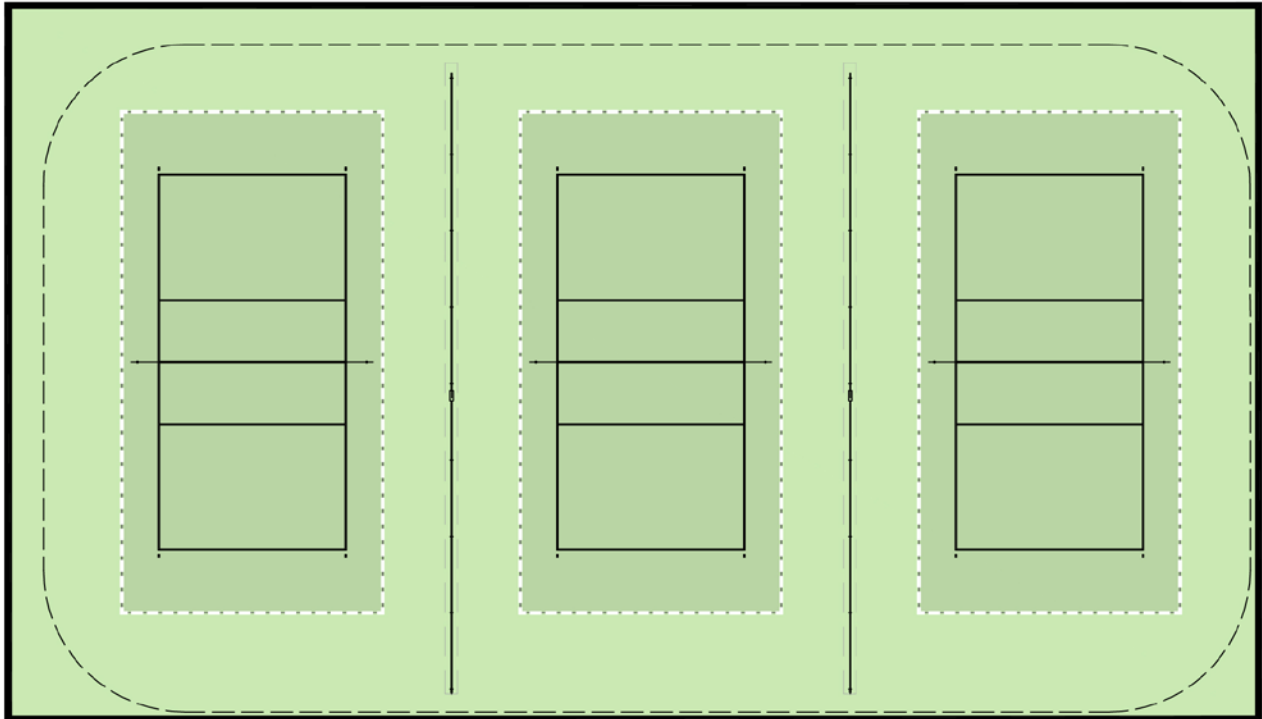
## PROGRAM AND ACTIVITIES



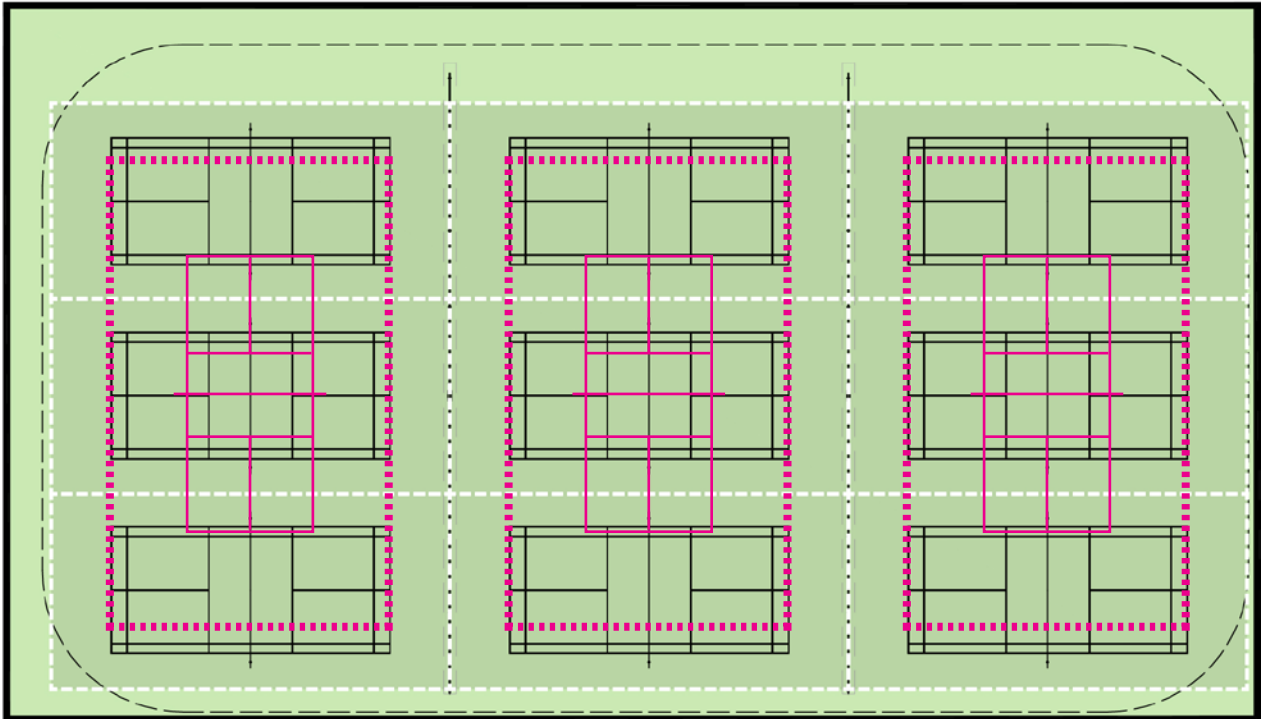
**BASKETBALL**



**BASKETBALL COMPETITION**



**VOLLEYBALL (9m HEIGHT CLEARANCE)**

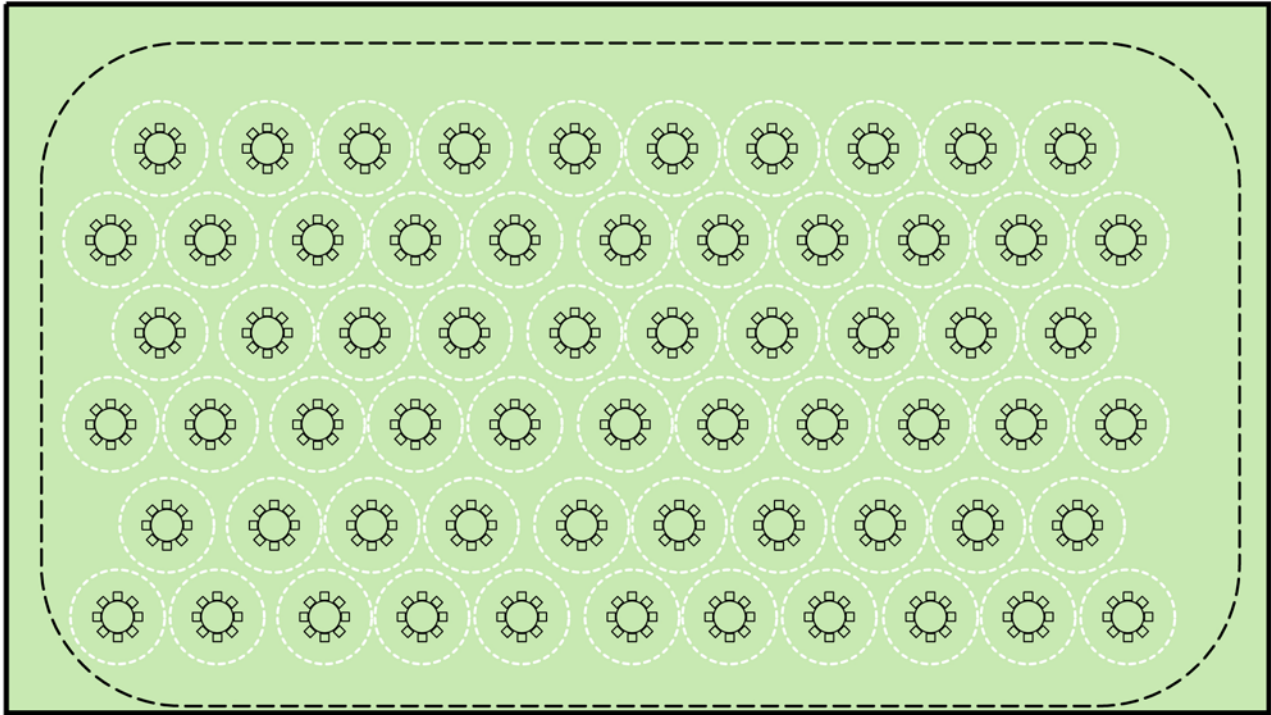


**BADMINTON/PICKLEBALL (x9) OR PARA-PICKLEBALL (x3)**

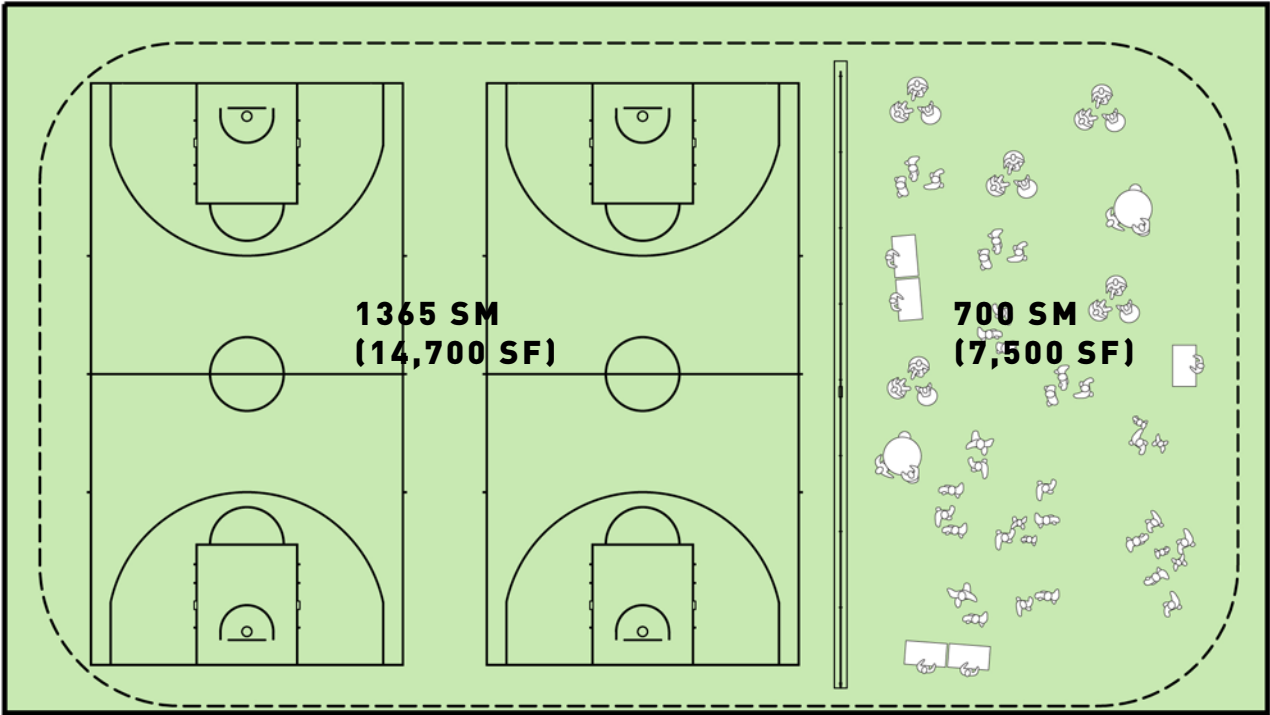


# GYMNASIUM

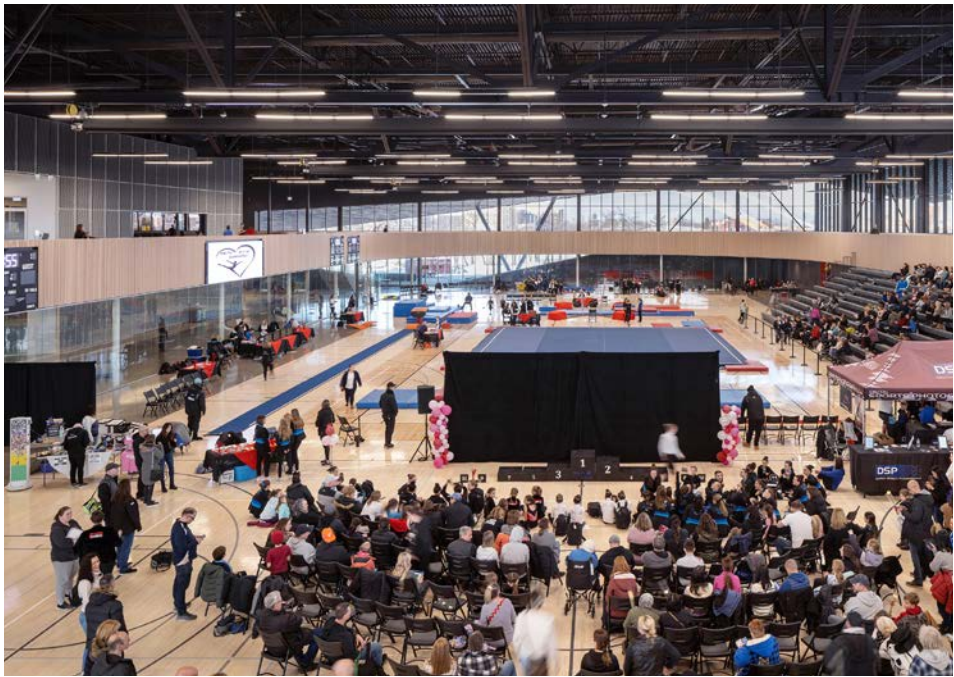
## PROGRAM AND ACTIVITIES



**ENTIRE SPACE (2080 SM / 22,390 SF)**  
capacity for a 400 person banquet (seated with tables)  
or a 600 person standing-only event



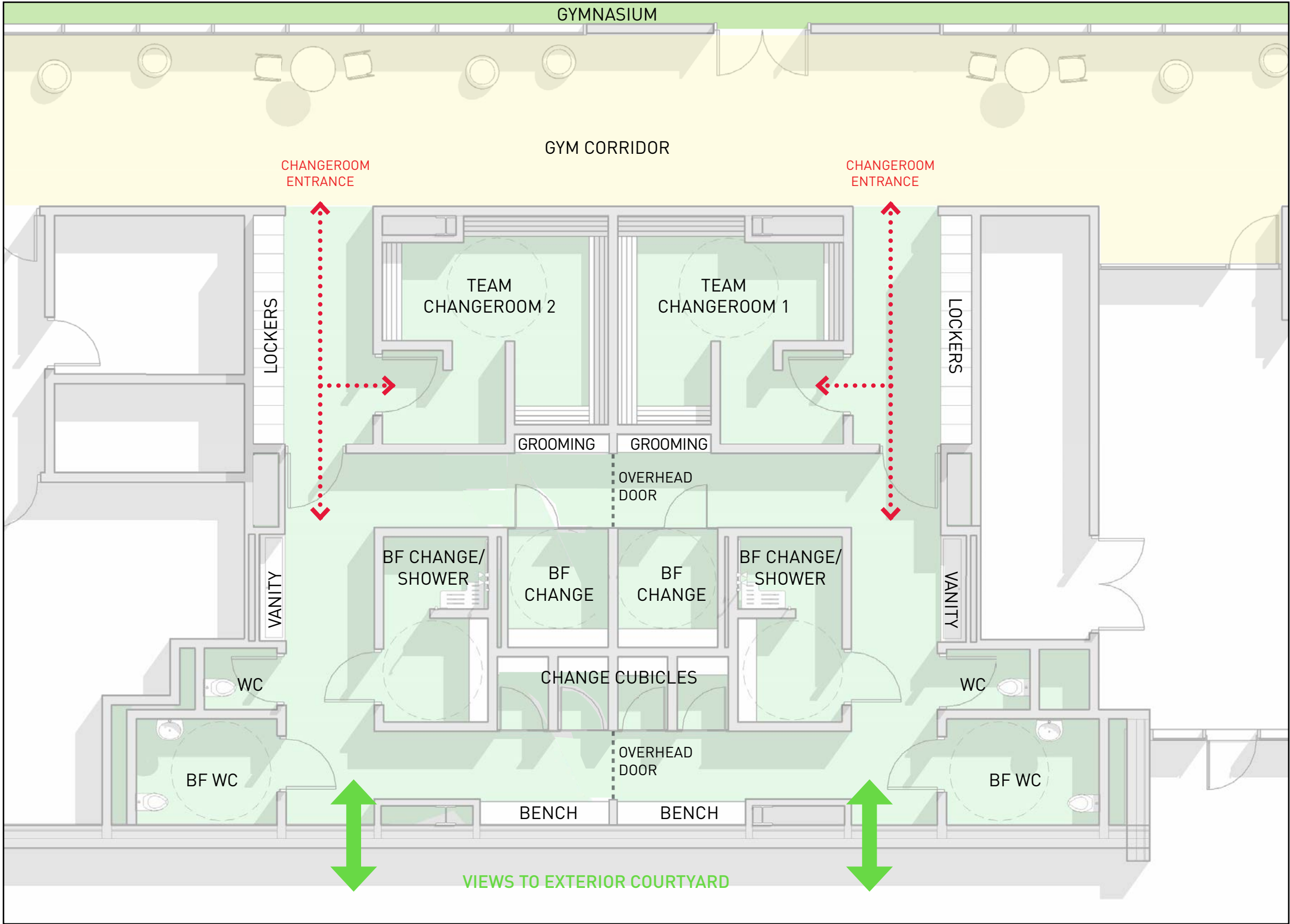
**HYBRID - (2 COURTS & 1 MULTIPURPOSE)**





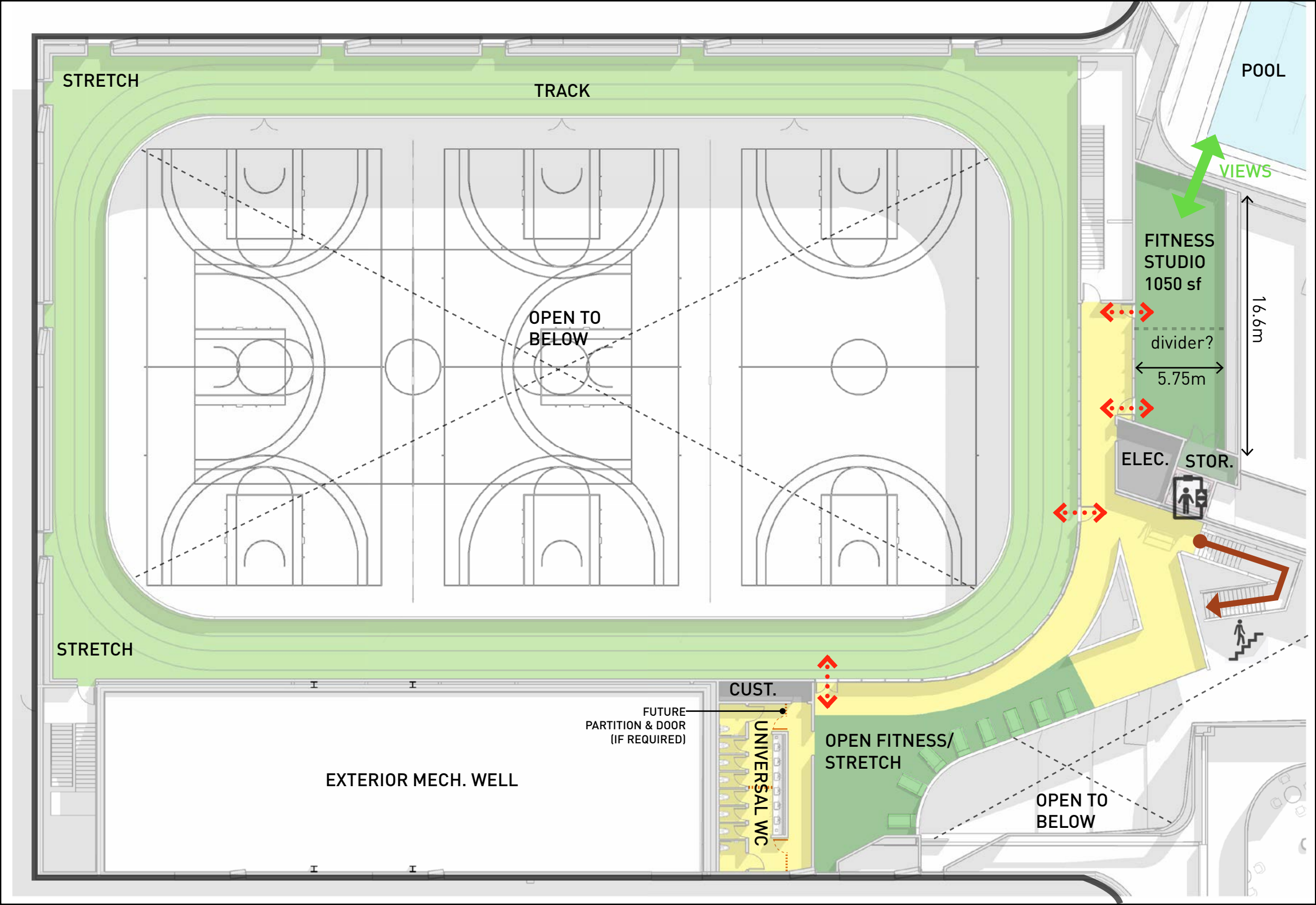
# DRY CHANGEROOMS

## FLOOR PLAN





# TRACK AND FITNESS FLOOR PLAN

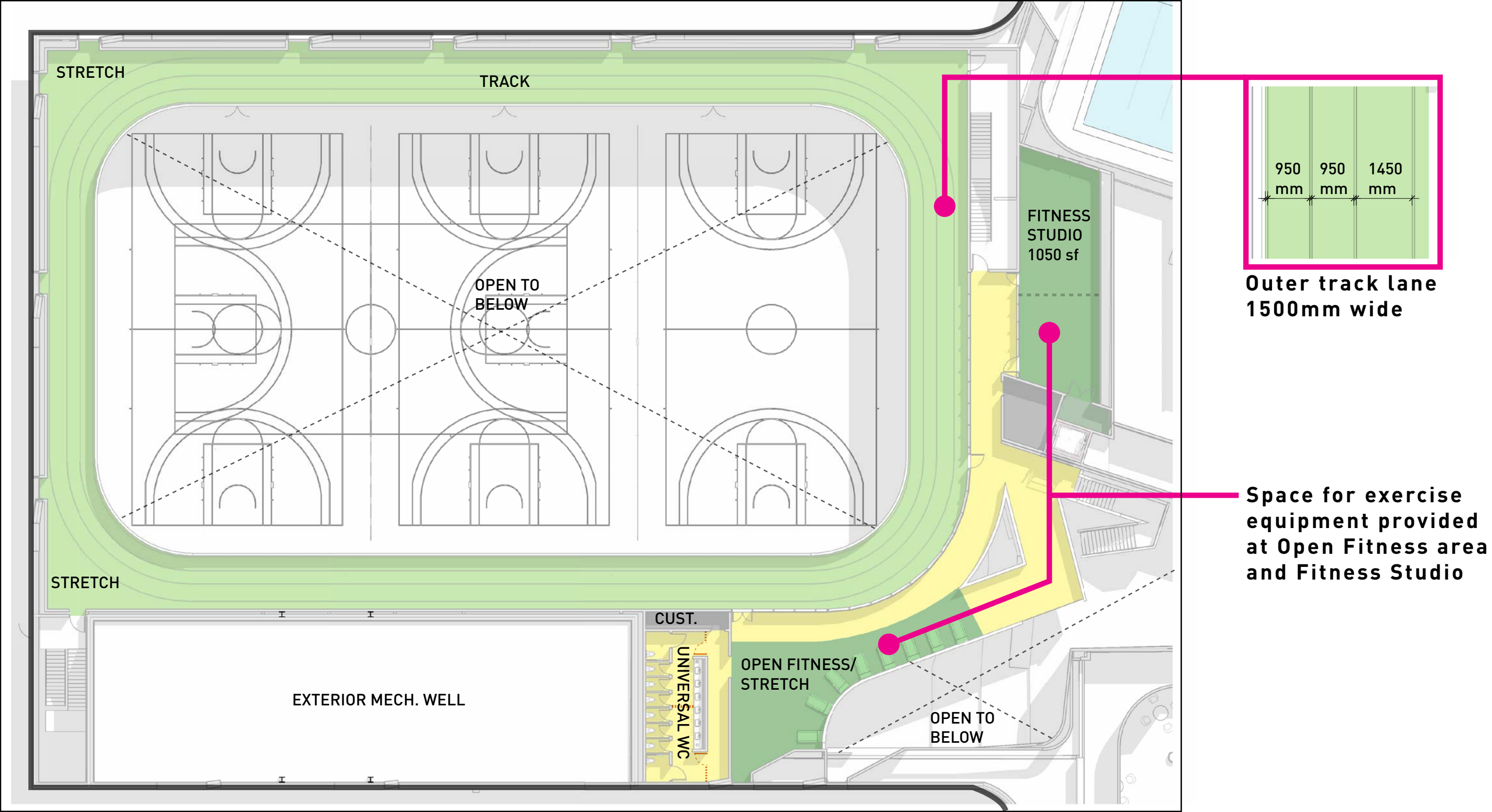




COMMENTS FROM COUNCIL

“Exercise equipment in the fitness area”

“Wider lanes on the running track that allow for passing”

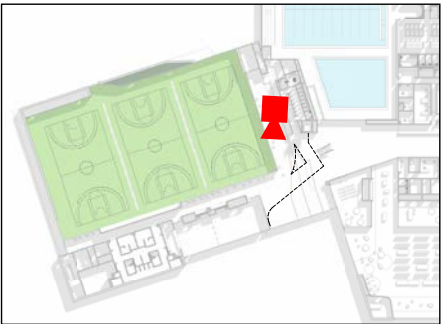






**GYMNASIUM**  
**ATRIUM AND SPECTATOR**

Cambridge Recreation Complex and Library

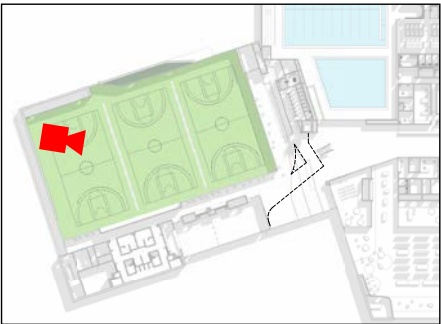






**GYMNASIUM  
COURT AND RUNNING TRACK**

Cambridge Recreation Complex and Library

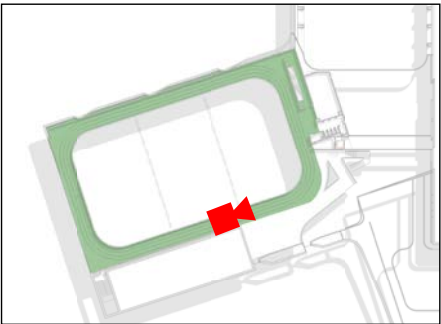






**GYMNASIUM**  
**RUNNING TRACK & FITNESS**

Cambridge Recreation Complex and Library

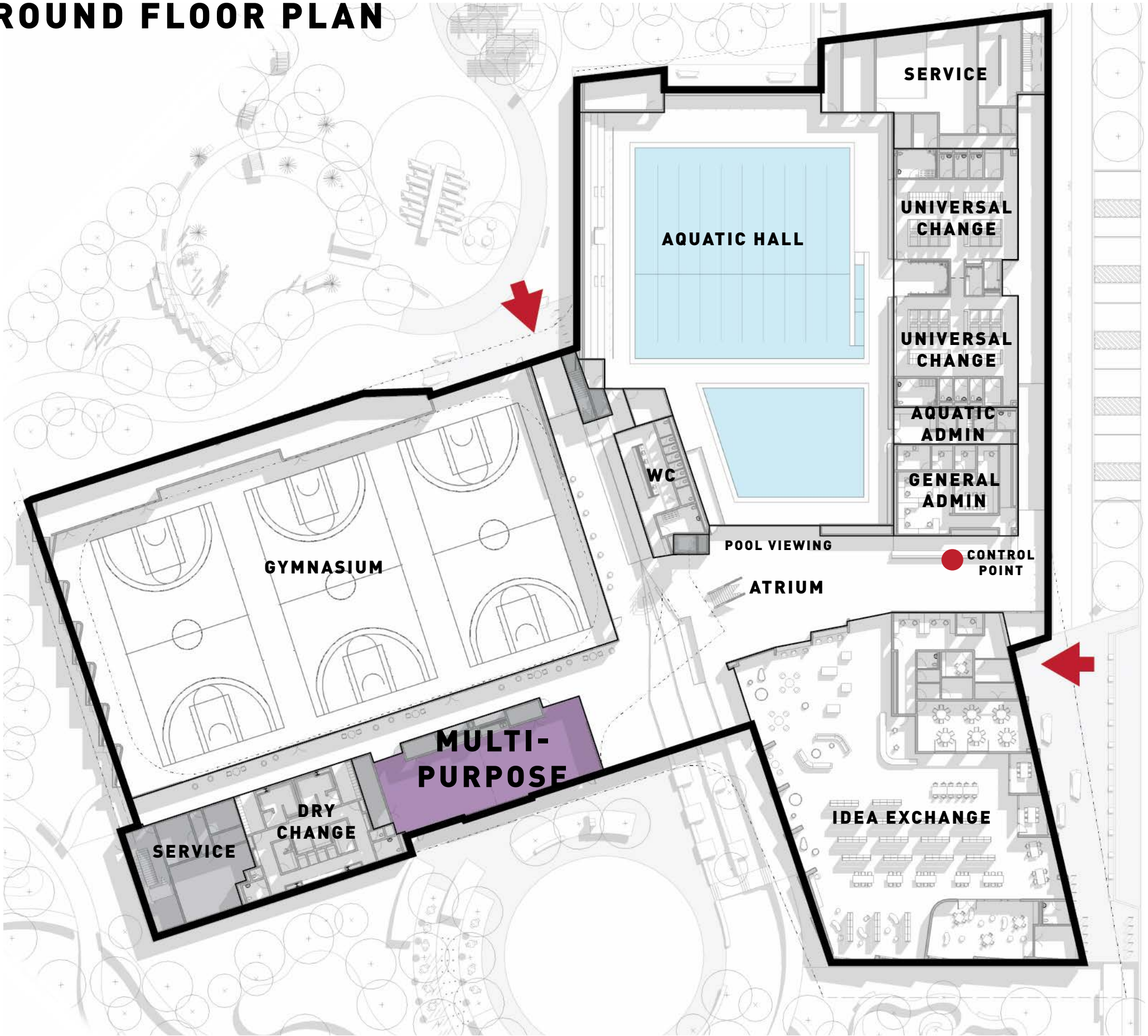




# MULTIPURPOSE ROOM UPDATE



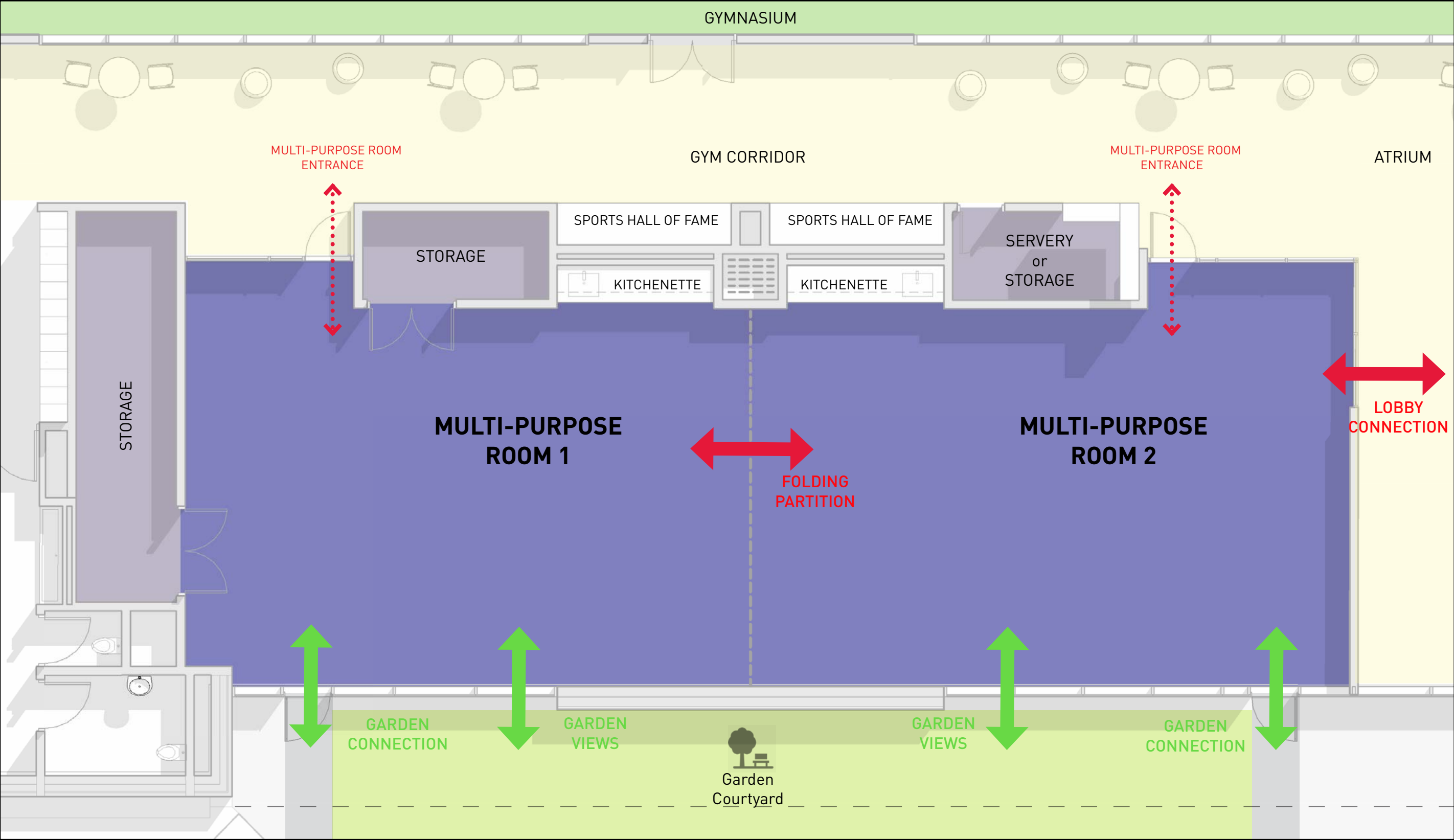
# SCHEMATIC GROUND FLOOR PLAN





# MULTI-PURPOSE ROOMS

## UPDATED PLAN



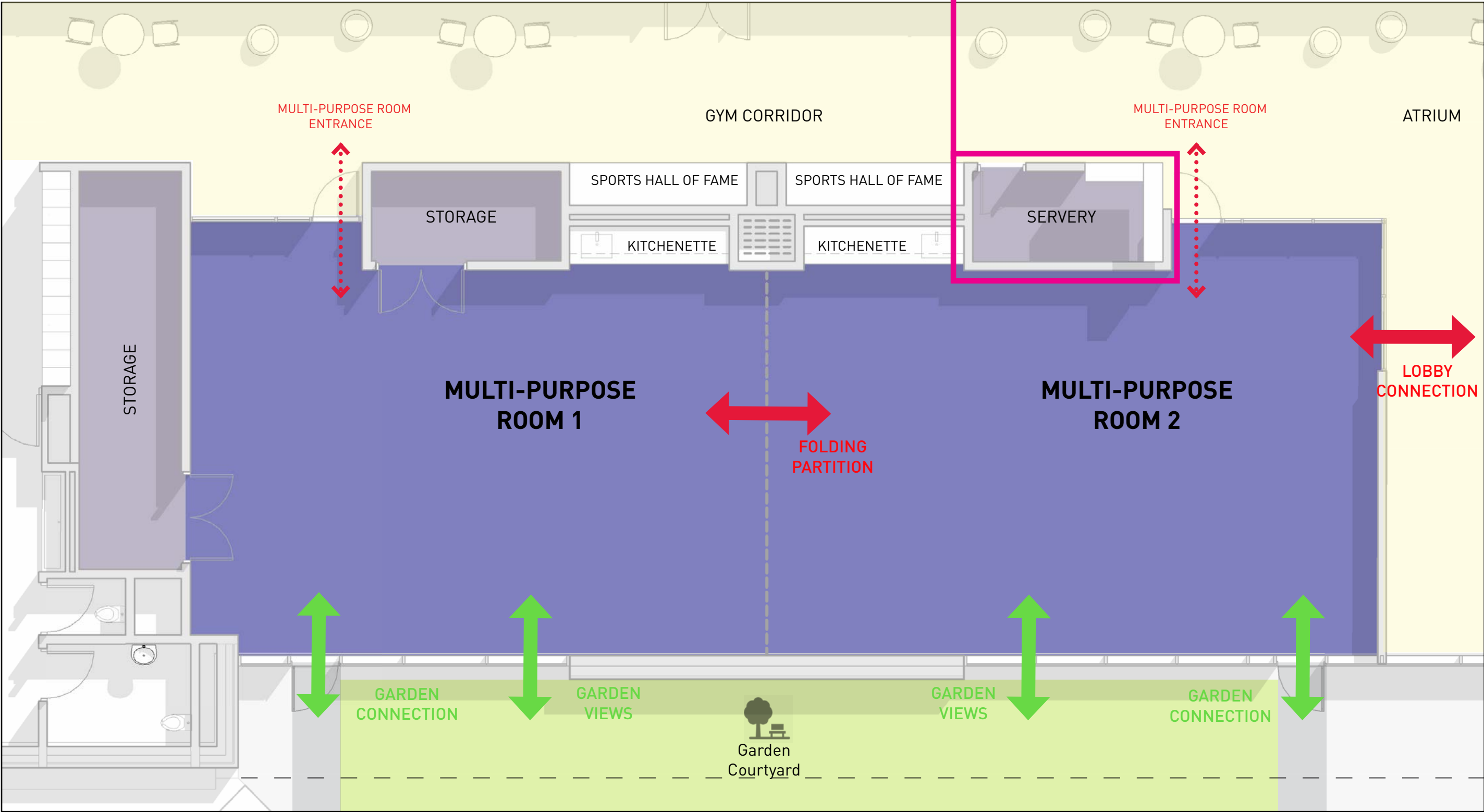


# COMMENT FROM COUNCIL

“Request for café or concessions for food”



Potential food service location





# **PUBLIC WASHROOM UPDATE**



# UNIVERSAL WASHROOMS PRECEDENTS



Clayton Community Centre  
Surrey BC, HCMA Architects



Rhode Island School of Design Student Centre  
Providence RI, Work AC Architects



# UNIVERSAL WASHROOMS

## PRECEDENTS



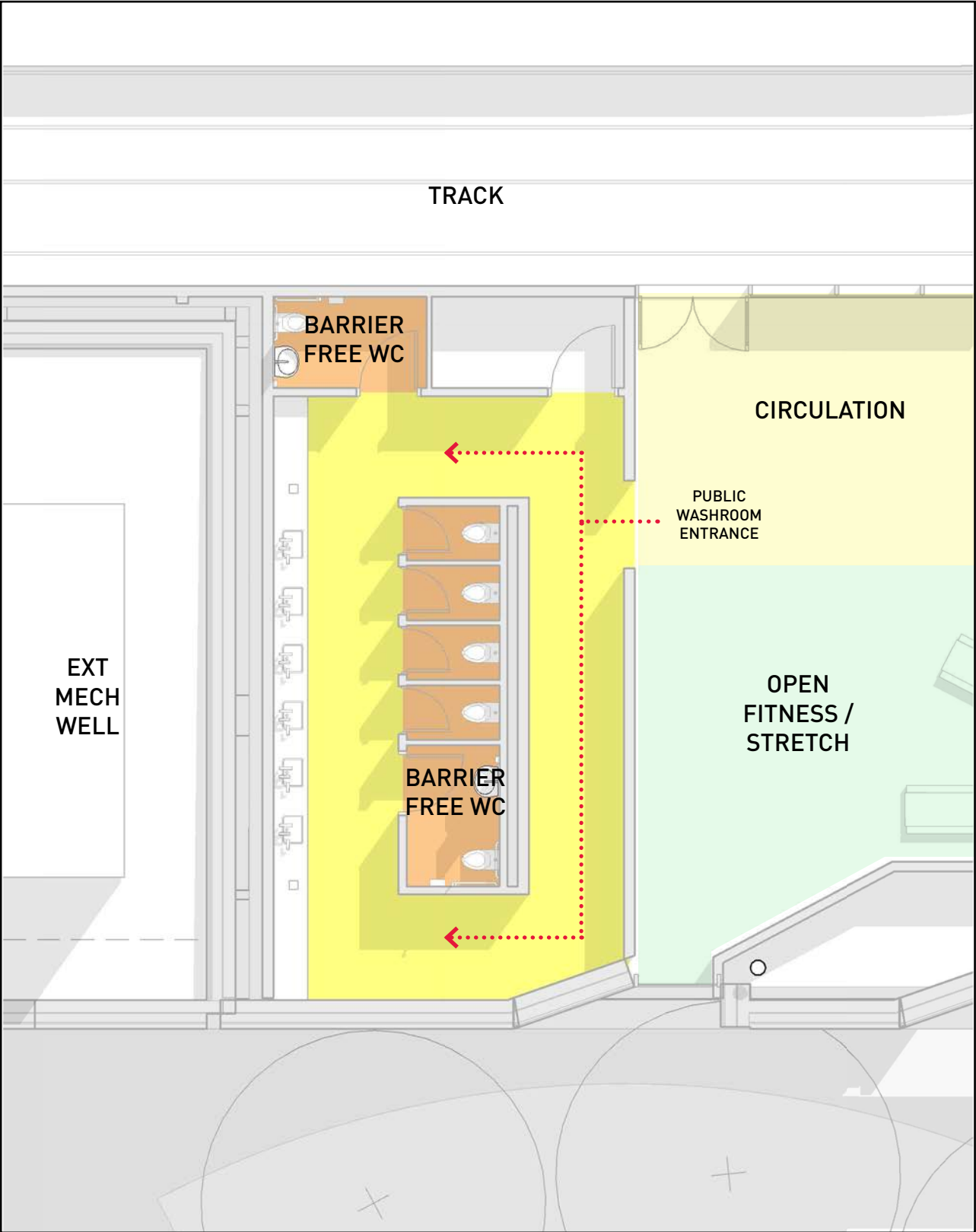
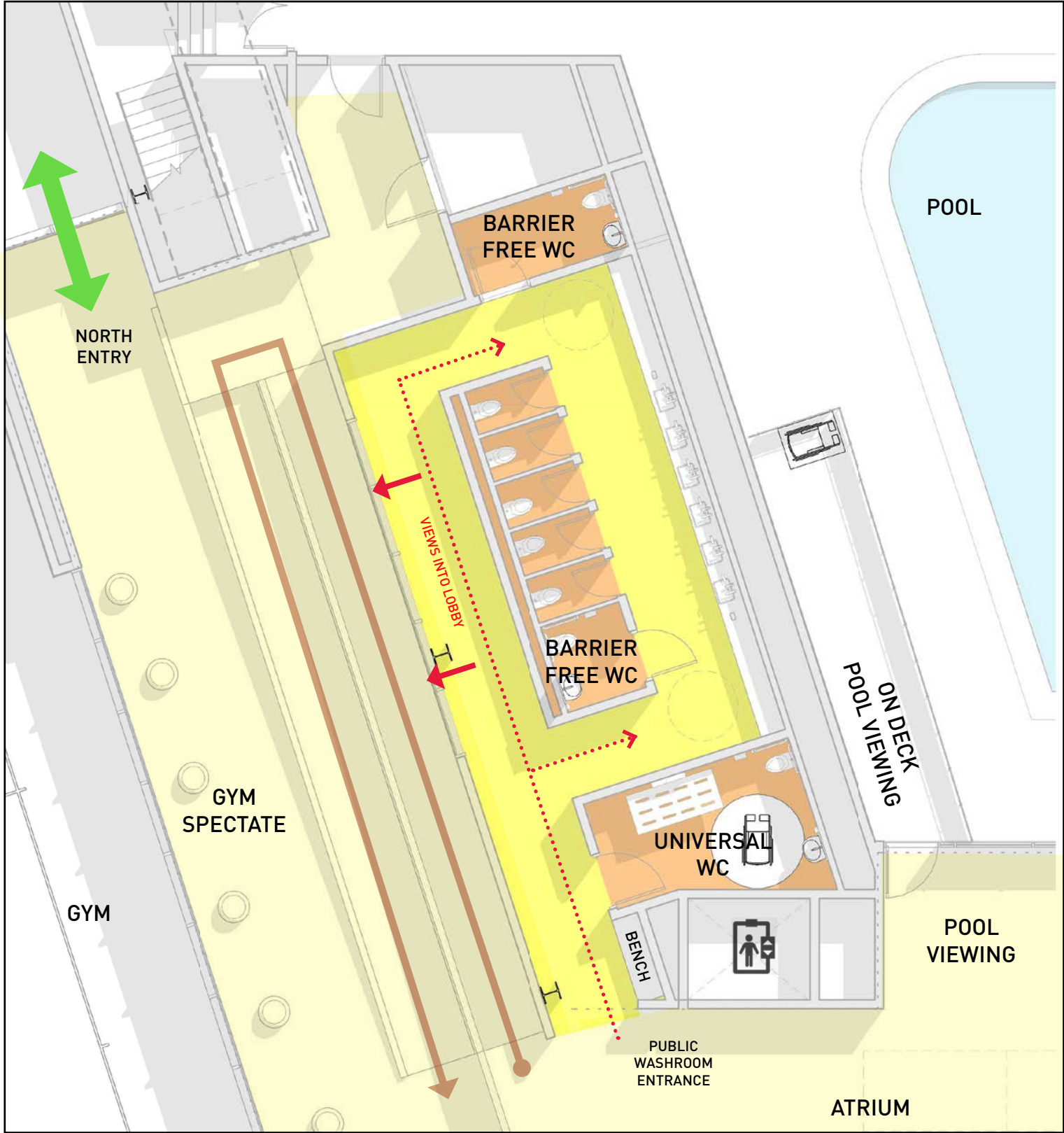
Century Gardens Community Youth Hub  
Brampton, ON





# UNIVERSAL WASHROOMS

## UPDATED PLANS



LEVEL 2 - PUBLIC WASHROOM




# MASSING UPDATE



PARIS GALT MORaine





Ministry of  
Natural  
Resources  
Ontario

Hon. Alan W. Pope  
Minister  
W. I. Foster  
Deputy Minister

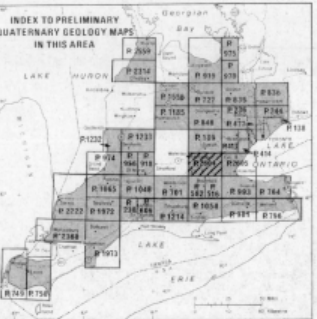
ONTARIO GEOLOGICAL SURVEY  
MAP P.2604  
GEOLOGICAL SERIES-PRELIMINARY MAP  
QUATERNARY GEOLOGY  
**CAMBRIDGE AREA**  
SOUTHERN ONTARIO  
Scale 1:50 000  
NTS Reference: 40 P/8

OMNR-OGS 1983

Parts of this publication may be quoted if credit is given and the material is properly referenced.

This map is published with the permission of E.G. Pye, Director, Ontario Geological Survey.

INDEX TO PRELIMINARY  
QUATERNARY GEOLOGY MAPS  
IN THIS AREA



**LEGEND**

PHANEROZOIC  
CENOZOIC  
QUATERNARY  
RECENT

- 17 Lake Ontario deposits: stratified and gravel
- 16 Stream deposits: gravel, sand, silt, and clay
- 15 Peat and muck

PLEISTOCENE  
LATE WISCONSINAN

- 14 Alluvial fan gravel
- 13 Beach gravel
- 12 Lacustrine and outwash sand
- 11 Lake deposits: stratified to varved clay, silt, and fine sand
- 10 Halton Till: clay or silt till
- 9 Outcrop complex: bouldery till and bedrock ridges
- 8 Ice-contact sand, kames and eskers
- 7 Outwash gravel
- 6 Ice-contact gravel: kames and eskers
- 5 Wentworth Till: stony, sandy, silt till
- 4 Port Stanley Till: silt to sandy silt till
- 3 Maryhill Till: clayey silt till
- 2 Catfish Creek Till: stoney, sandy silt till

PALEOZOIC  
ORDOVICIAN AND SILURIAN

- 1 Shale and dolomite

\*exposed only in river banks beneath younger till  
Note: The legend, symbols, and marginal notes are for both the Cambridge and Hamilton map sheets.

**SYMBOLS**

- Drumlin
- Esker
- Geological boundary, approximate
- Glacial fluting
- Bedrock pressure-release ridge
- Eroded scarp
- Ice-contact face
- Glacial striae
- Trend of moraine crest
- Abandoned shoreline feature
- Hummocky topography
- Shallow lacustrine sediments of Lake Pelee
- Sample site\*
- Sand or gravel pit
- Rock quarry

\*Sample sites are referred to in OPR 5420.

**SOURCES OF INFORMATION**









## DOWNTOWN CAMBRIDGE

contains a rich history of natural grey stone buildings including City Hall and Idea Exchange (post office) which line the city's public realm



AERIAL VIEW



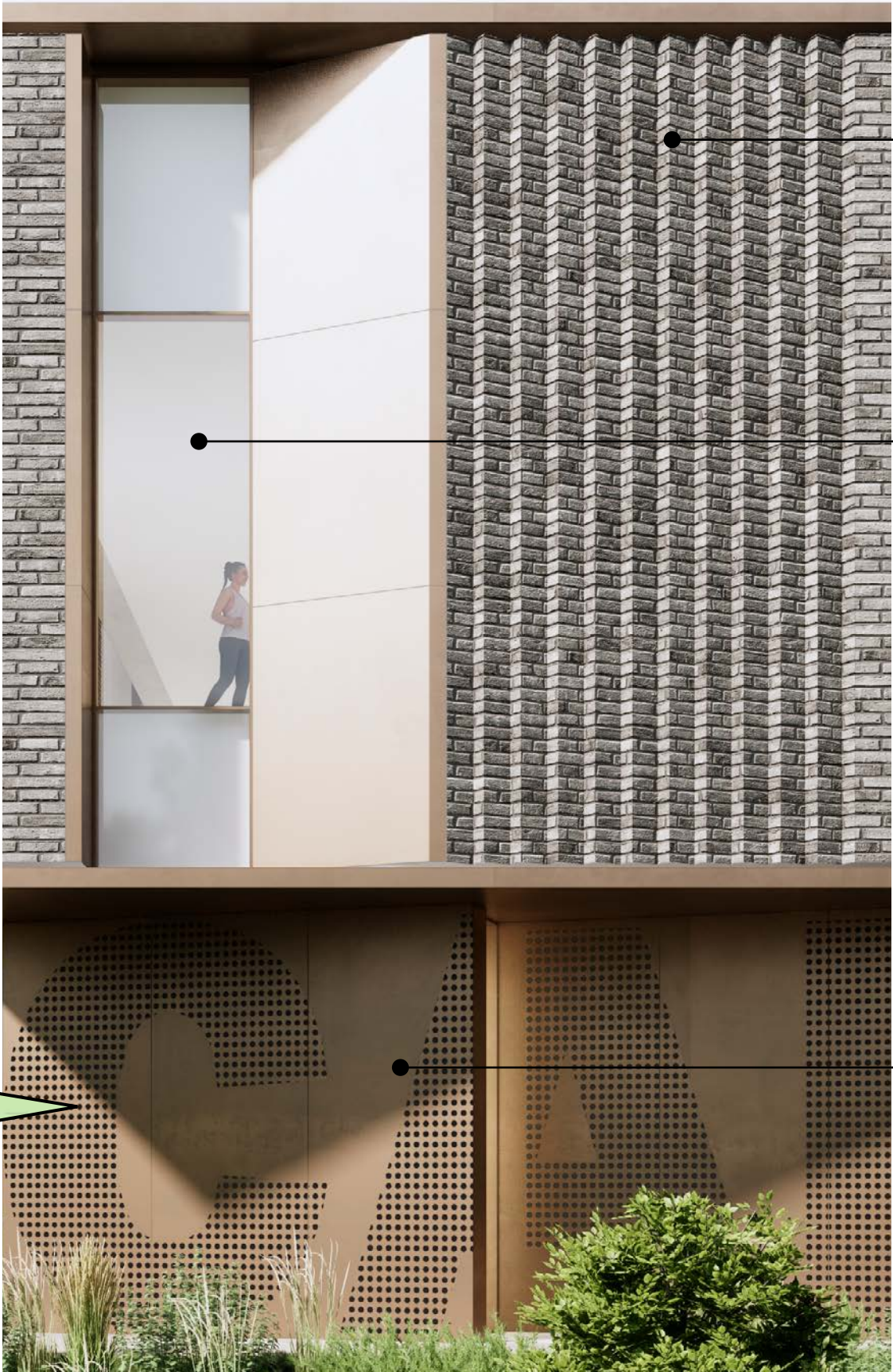
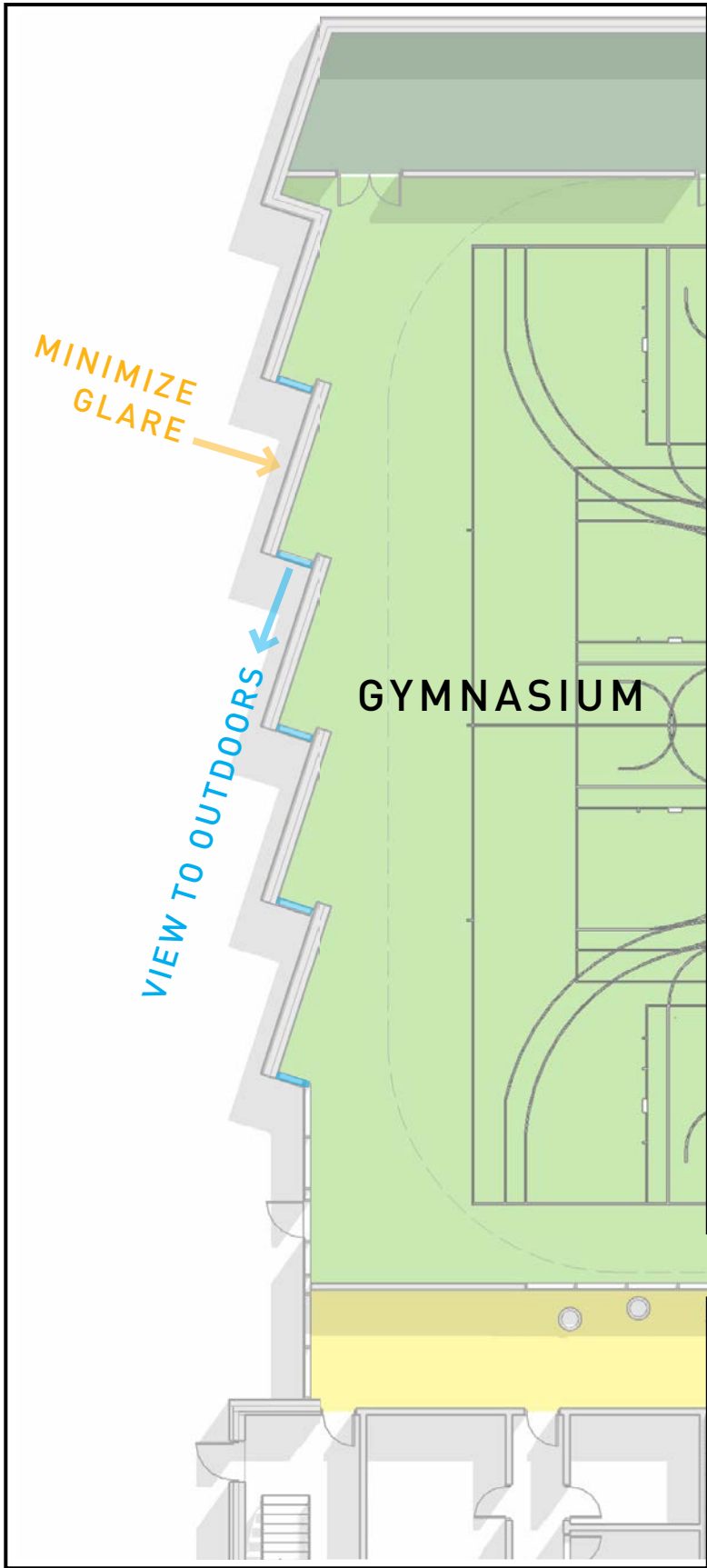


NORTHERN PARK ENTRANCE





FACADE STUDY - INTRODUCING TEXTURE



ROTATED BRICK TEXTURE

RECESSED WINDOWS WITH METAL PANEL LINING

ANGLED SAWTOOTH METAL PANEL WALL TO INTRODUCE VIEWS BUT MINIMIZE GLARE



WESLEY BLVD ENTRANCE





GYM ELEVATION FROM WESLEY BLVD





GYM FACADE FROM SOUTH WEST





COURTYARD





**IDEA EXCHANGE**  
**SOUTHERN COURTYARD SPACE LOOKING TOWARDS LIBRARY INTERIOR**





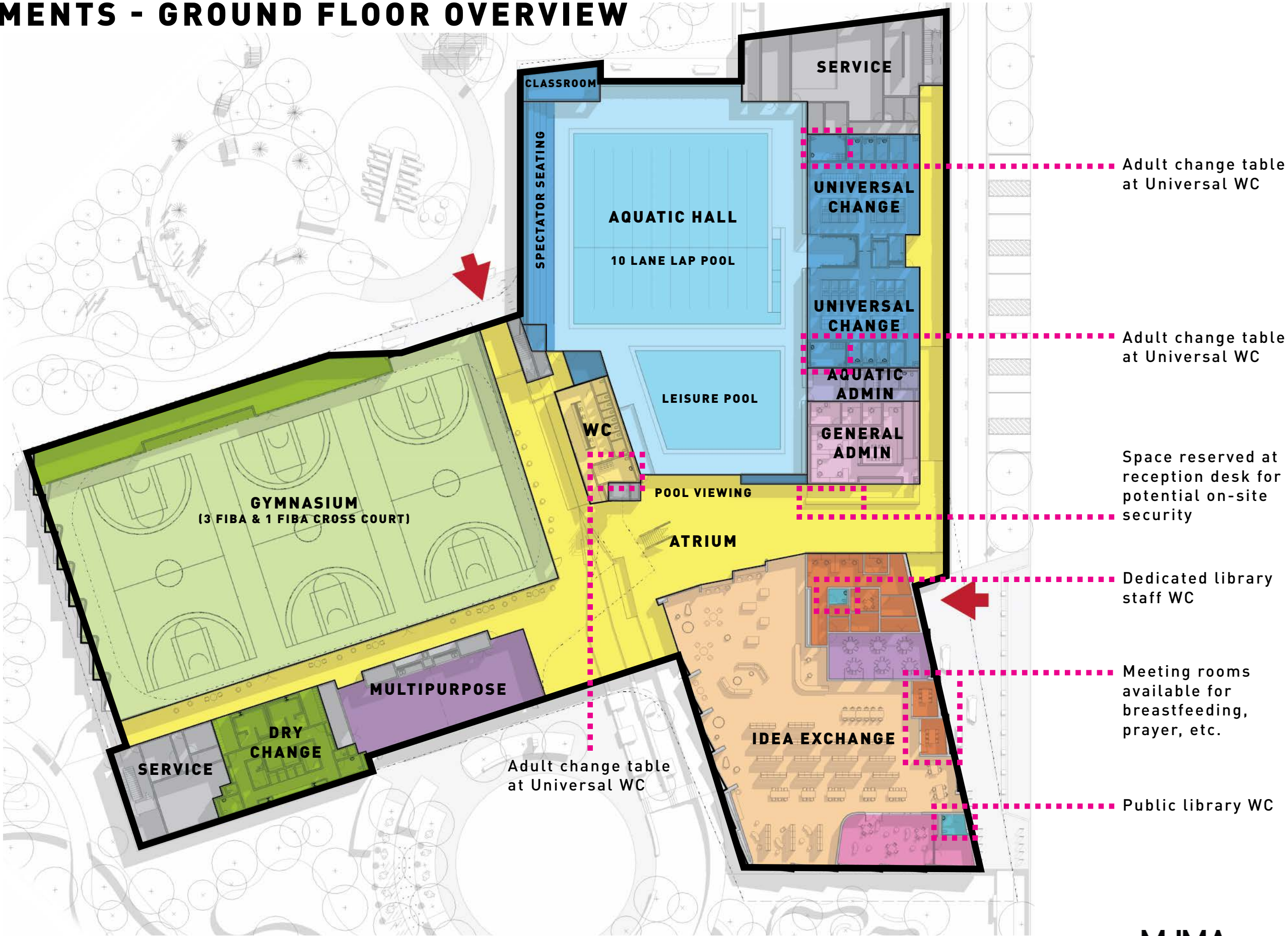
**THANK YOU!**



# APPENDIX

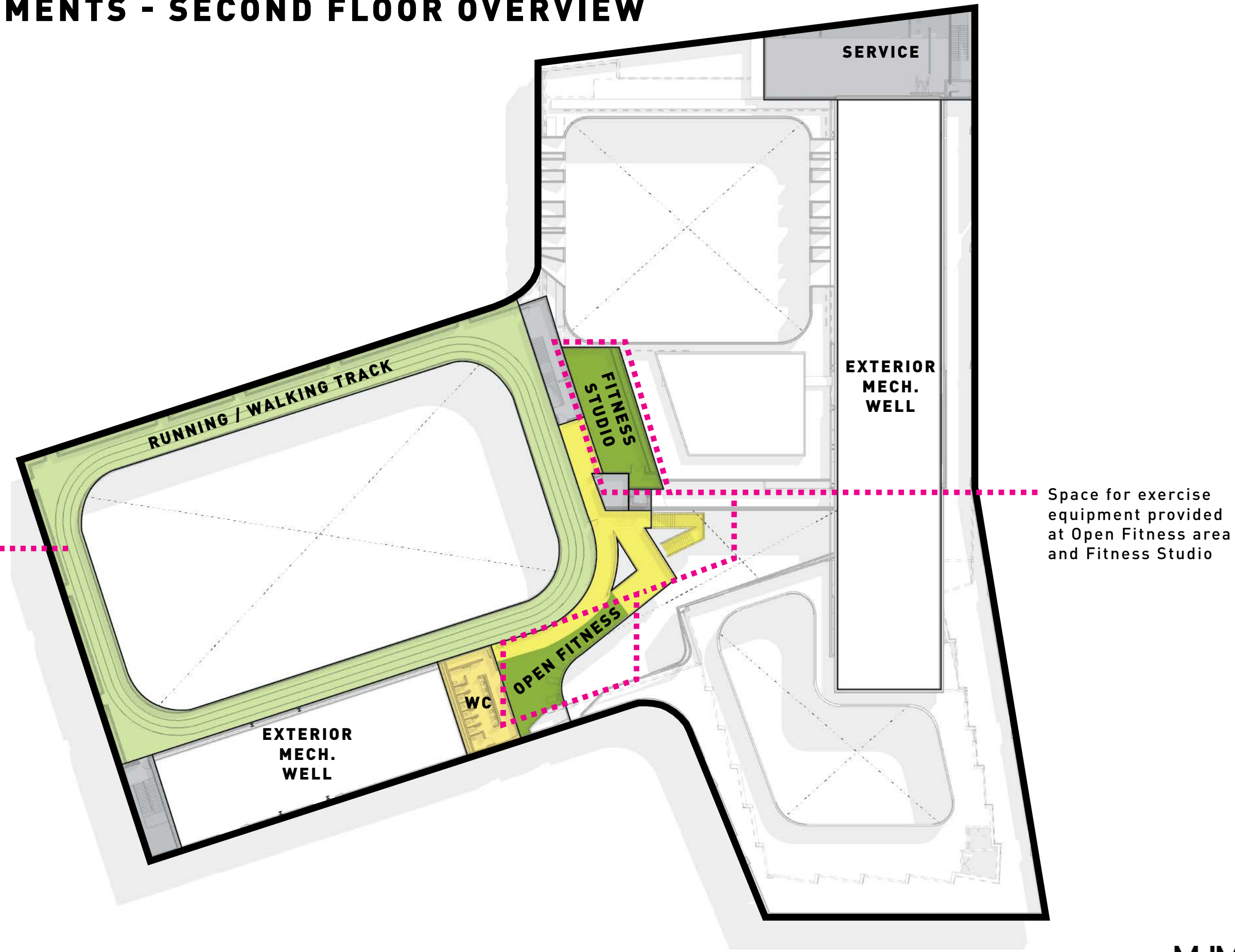
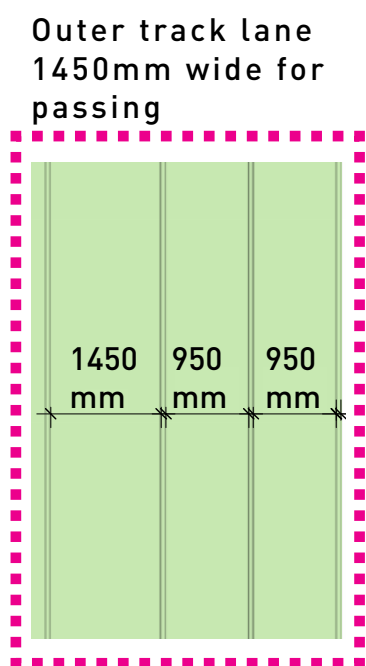


# COUNCIL COMMENTS - GROUND FLOOR OVERVIEW





# COUNCIL COMMENTS - SECOND FLOOR OVERVIEW



Space for exercise  
equipment provided  
at Open Fitness area  
and Fitness Studio



## COUNCIL COMMENTS - SITE PLAN OVERVIEW

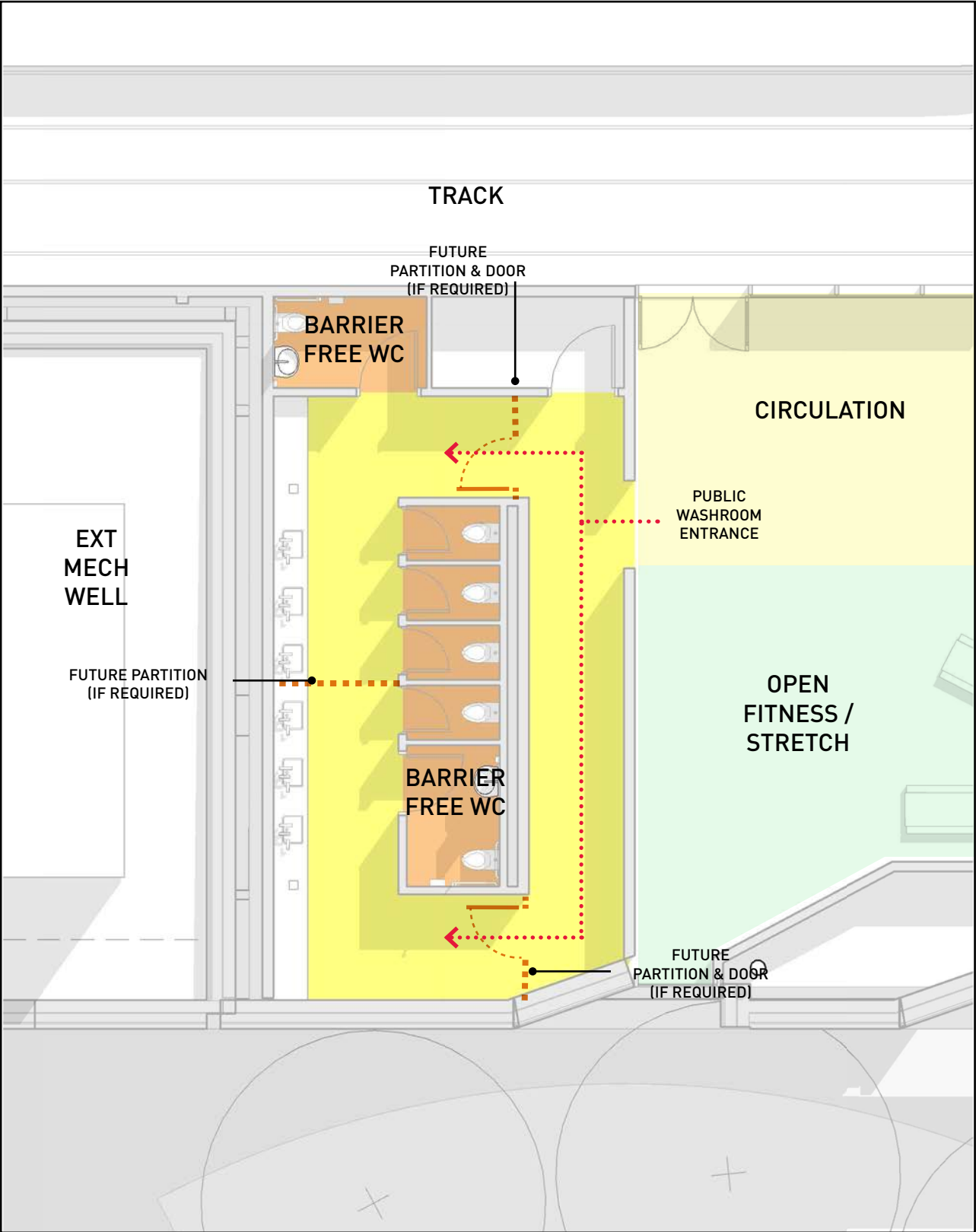
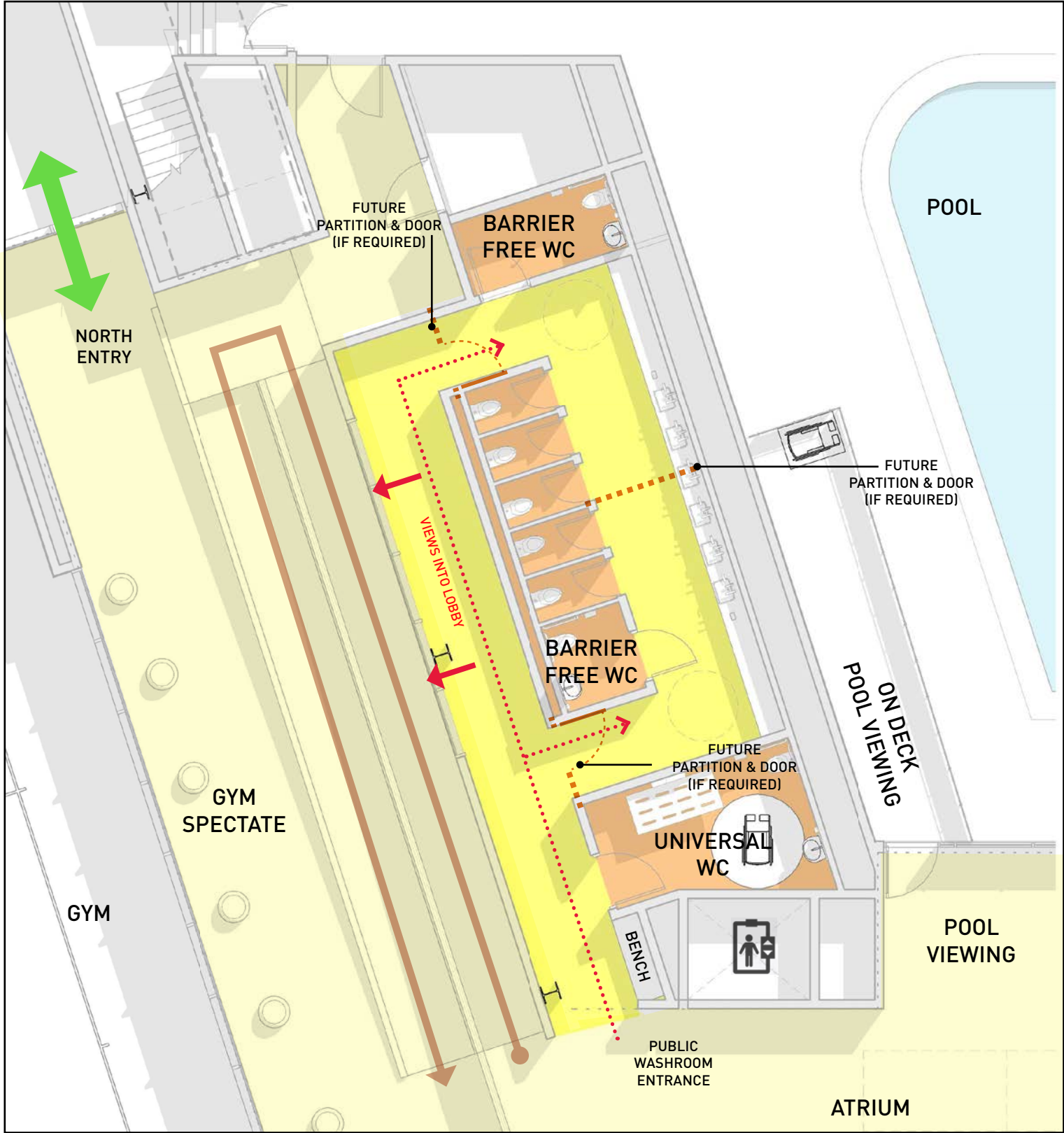
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- 1** Parking lot (382 spots)
  - 2** Parking entrance plaza
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  - 4** Covered porch
  - 5** Central green + water feature
  - 6** Trail head
  - 7** Wild play + fitness park
  - 8** Playground entrance plaza
  - 9** Picnic grove
  - 10** Maintenance area
  - 11** Pickleball courts (4)
  - 12** Basketball court
  - 13** Adventure trail
  - 14** Multi-use trail
  - 15** Trail head
  - 16** Trail head

- Area provided for food truck events



# UNIVERSAL WASHROOMS

## CONVERSION TO SEPARATE GENDERED ROOMS



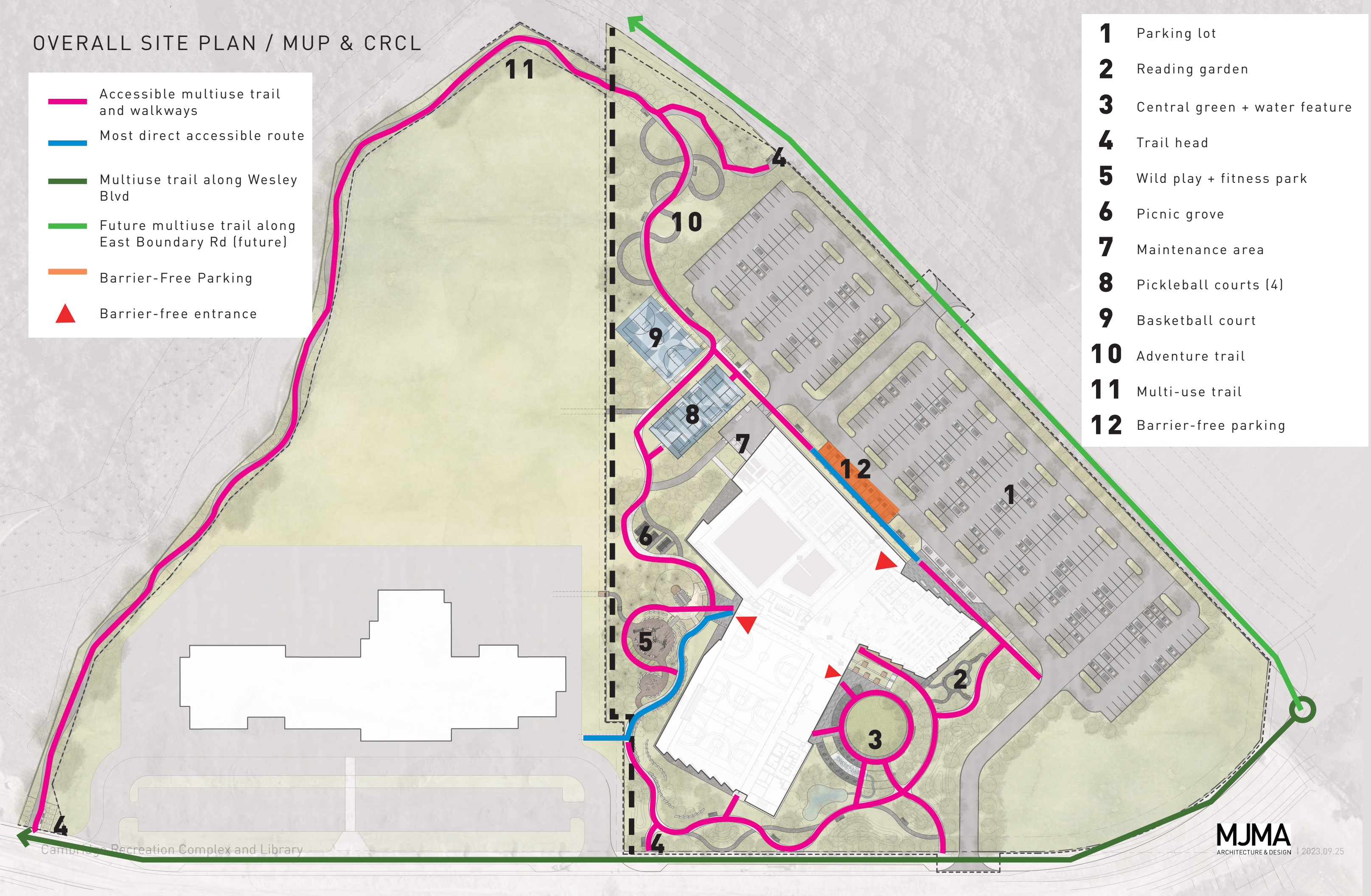
LEVEL 2 - PUBLIC WASHROOM



OVERALL SITE PLAN / MUP & CRCL

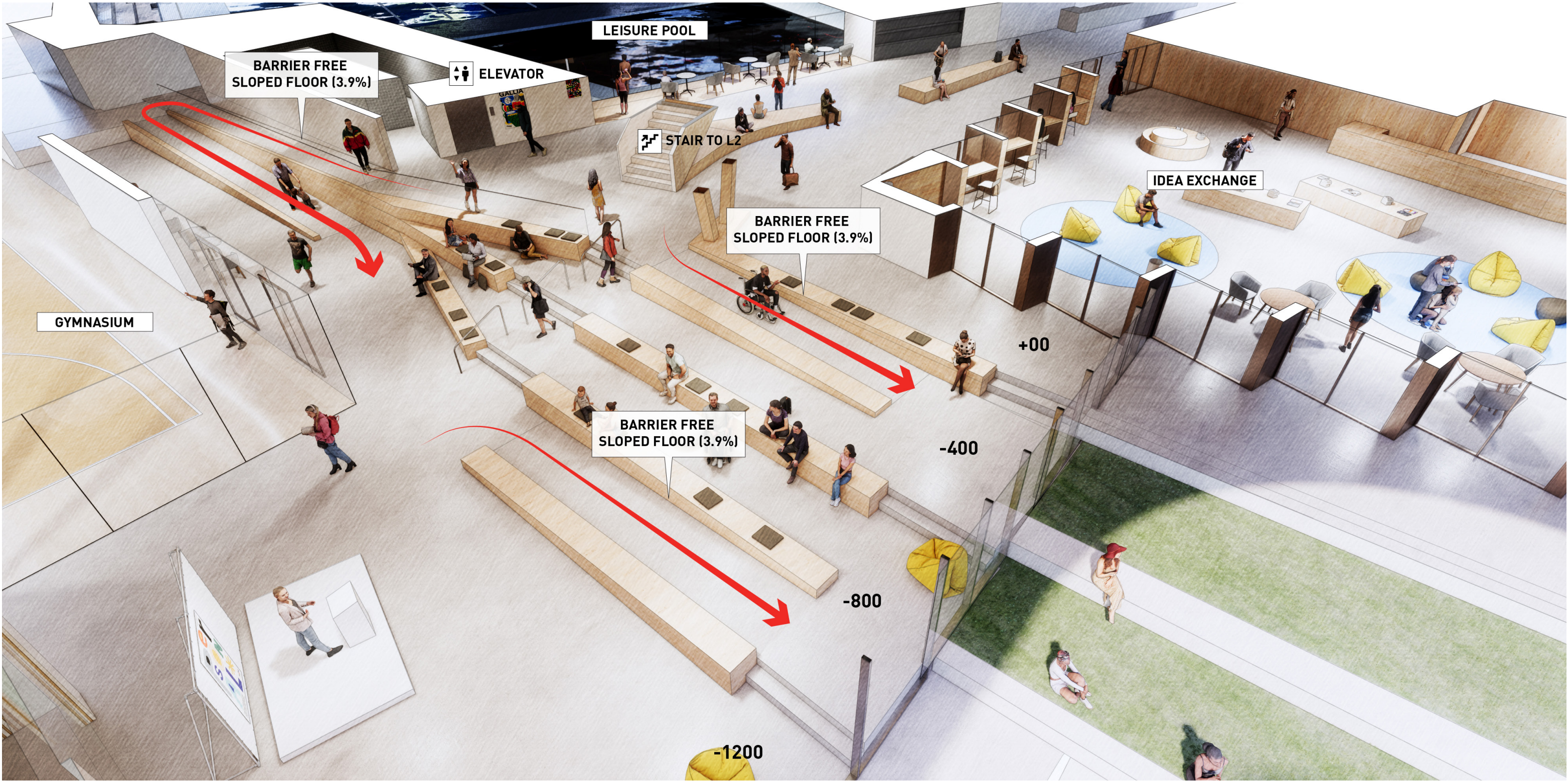
- Accessible multiuse trail and walkways
- Most direct accessible route
- Multiuse trail along Wesley Blvd
- Future multiuse trail along East Boundary Rd (future)
- Barrier-Free Parking
- Barrier-free entrance

- 1 Parking lot
- 2 Reading garden
- 3 Central green + water feature
- 4 Trail head
- 5 Wild play + fitness park
- 6 Picnic grove
- 7 Maintenance area
- 8 Pickleball courts (4)
- 9 Basketball court
- 10 Adventure trail
- 11 Multi-use trail
- 12 Barrier-free parking

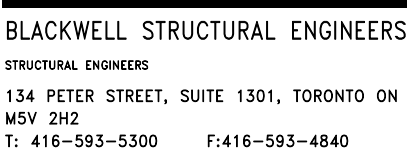




# ATRIUM OVERVIEW







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ORTH ARROW

Cambridge Rec &amp; Library

# Accessibility

As indicated

PROJECT NUMBER  
2215  
DRAWING NUMBER

L-COORD





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A007



