

# LOWELL HIGH SCHOOL

PARENT FORUM

OCTOBER 2020

Suffolk



PERKINS —  
EASTMAN



# PROJECT TEAM



**JOE DROWN**  
PRINCIPAL-IN-CHARGE  
SENIOR PROJECT MANAGER  
PERKINS EASTMAN



**ROBERT BELL**  
EDUCATIONAL PROGRAMMER  
PERKINS EASTMAN



**DAWN GUARRIELLO**  
PROJECT ARCHITECT  
PERKINS EASTMAN



**ROBIN GREENBERG**  
PROJECT MANAGER  
PERKINS EASTMAN



**JIM DOWD**  
SENIOR PROGRAM MANAGER  
SKANSKA USA



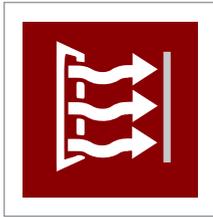
**CHRIS WALENTEN**  
PROJECT EXECUTIVE  
SUFFOLK



**REX RADLOFF**  
SENIOR PROJECT MANAGER  
SUFFOLK



# BUILDING FEATURES



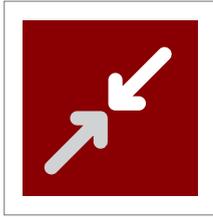
**HIGH  
PERFORMANCE  
ENVELOPE**



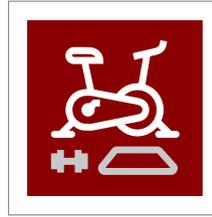
**TRANSFORMATIVE  
RENOVATION**



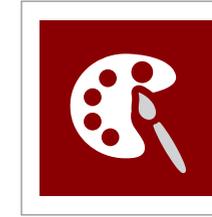
**21<sup>ST</sup> CENTURY SCIENCE  
AND ENGINEERING  
LABORATORIES**



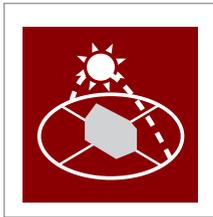
**CAMPUS CONNECTIVITY  
(INCLUDES FRESHMAN  
ON CAMPUS)**



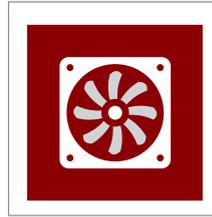
**STATE-OF-THE-ART  
ATHLETIC  
FACILITIES**



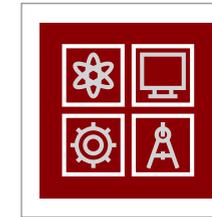
**TRANSFORMATIVE  
FINE ARTS SUITE  
OF STUDIOS**



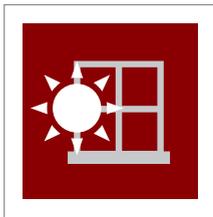
**IDEAL SOLAR ORIENTATION  
FOR NEW CONSTRUCTION  
CLASSROOMS**



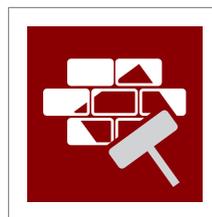
**HIGH-EFFICIENCY  
MECHANICAL  
SYSTEMS**



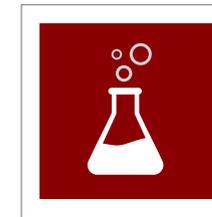
**STEM & HUMANITIES  
CLASSROOM  
CLUSTERS**



**ALL CLASSROOMS  
RECEIVE NATURAL  
DAYLIGHT**



**DURABLE, EASY  
TO MAINTAIN  
MATERIALS**



**FRESHMAN CLUSTER  
OF CLASSROOMS  
WITH SCIENCE LABS**



**AERIAL VIEW OF EXISTING CAMPUS**



**AERIAL VIEW OF PROPOSED CAMPUS**

GEORGE AYOTTE PARKING GARAGE

# SITE PLAN





**LHS**  
Est. 1831

LOWELL HIGH SCHOOL

**VIEW OF FRONT ENTRY ACROSS FATHER MORISSETTE**



HEART OF THE SCHOOL



VIEW OF THE QUAD/OPEN GREEN SPACE



LOWELL

LOWELL

LOWELL HIGH SCHOOL ROWING

GYMNASIUM



DINING COMMONS



Industry  
place  
culture  
LOWELL  
MERRIMACK diversity

CONNECTION TO CANAL



**KIRK STREET ENTRY**

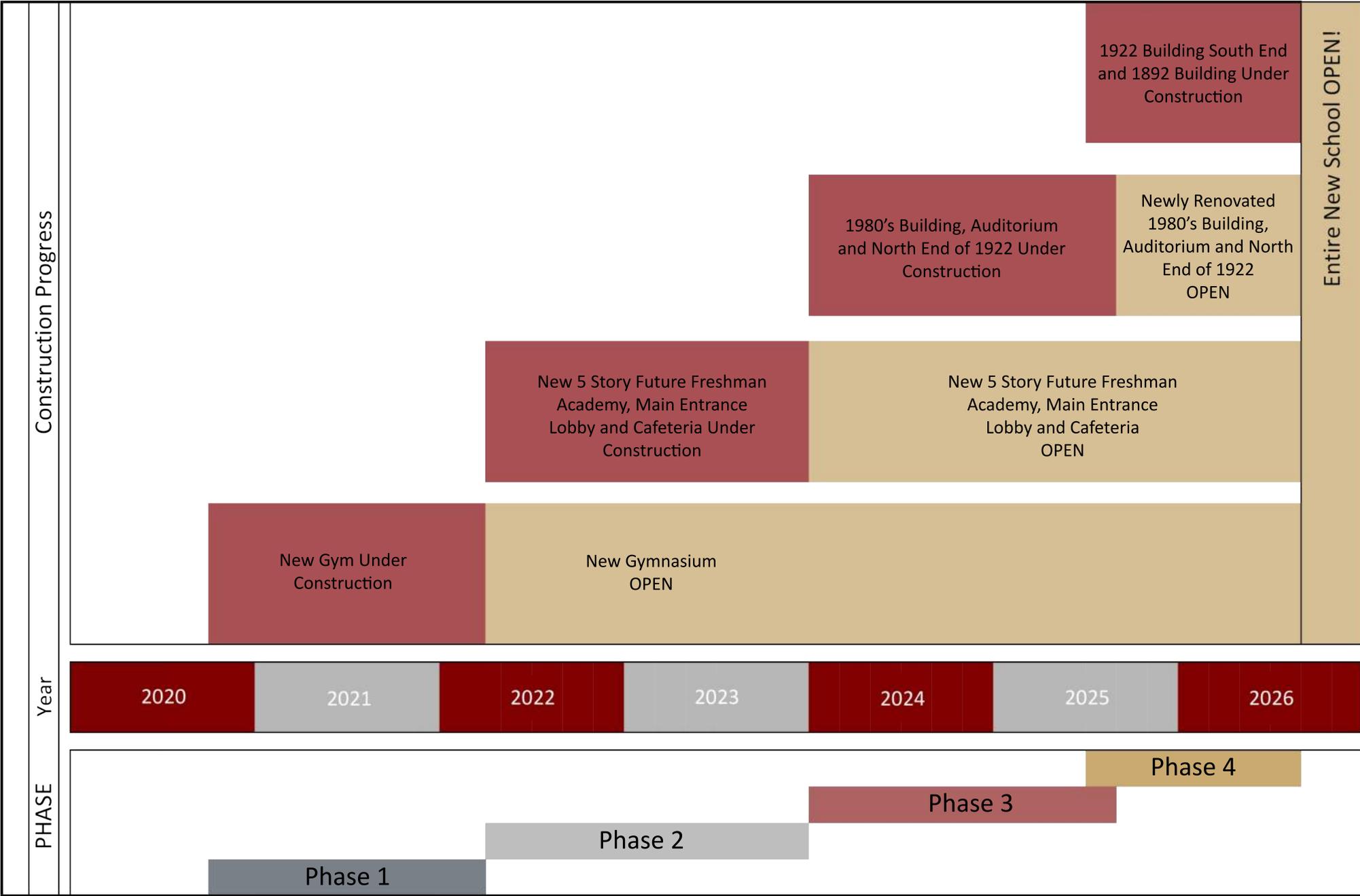


**MEDIA CENTER**

# LOOKING FORWARD

## BENEFITS OF LHS PROJECT BY GRADUATING CLASS

### LHS Project - Timeline



\* BASED ON CURRENT ANTICIPATED SCHEDULE

# LOOKING FORWARD

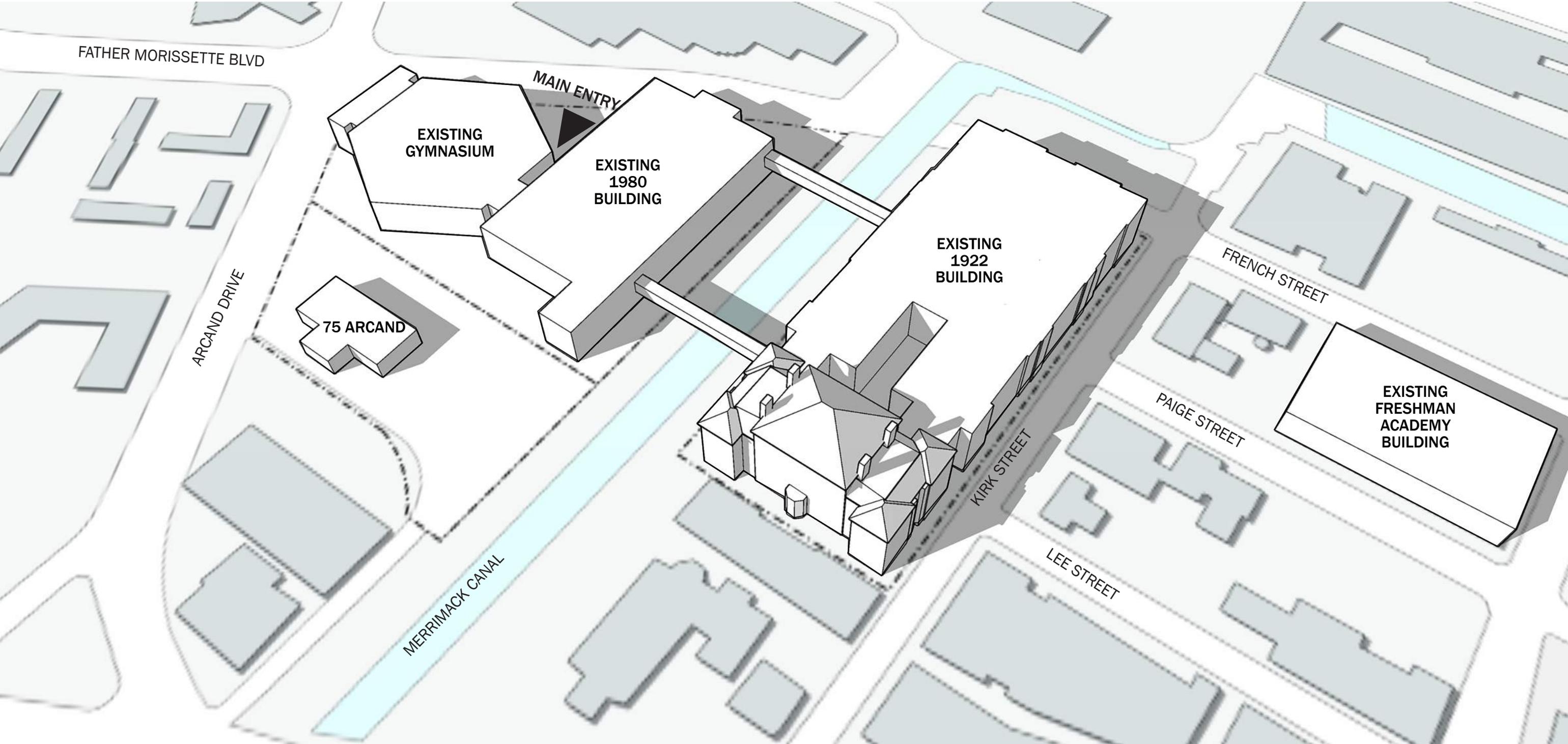
## BENEFITS OF LHS PROJECT BY GRADUATING CLASS

Graduating Class	Grade at Start of 2020 School Year	Benefits of the LHS Project
2021	12th	No impacts.
2022	11th	Use of the New Gymnasium Facility for 1/2 of their senior year.
2023	10th	Use of the New Gymnasium Facility for 1 1/4 years.
2024	9th	Use of the New Gymnasium Facility for 2 1/4 years Use of the New Freshman Academy Classrooms for 1/2 of their senior year Use of the New Science Labs for 1/2 of their senior year
2025	8th	Use of the New Gymnasium Facility for 3 1/4 of high school Use of the New Freshman Academy Classrooms for 1 1/2 years Use of New Science Labs for 1 1/2 years
2026	7th	Use of the New Gymnasium Facility for all years of high school Use of New Freshman Academy Classrooms for 2 1/2 years Use of New Science Labs for 2 1/2 years Complete use of Renovated 1980s and North 1922 Building for 1 year
2027	6th	Use of the New Gymnasium Facility for all years of high school Use of New Freshman Academy Classrooms for 3 1/2 years of high school Use of New Science Labs for 3 1/2 years of high school Complete use of Renovated 1980s Building and North 1922 Building for 2 years Complete use of 1922 and 1892 Buildings for 1 year
2028	5th	Use of the New Gymnasium Facility for all years of high school Use of New Freshman Academy Classrooms for all years of high school Use of New Science Labs for all years of high school Complete use of Renovated 1980s Building and North 1922 Building for 3 years Complete use of 1922 and 1892 Buildings for 2 years
2029	4th	Use of the New Gymnasium Facility for all years of high school Use of New Freshman Academy Classrooms for all years of high school Use of New Science Labs for all years of high school Complete use of Renovated 1980s Building and North 1922 Building for all years of high school Complete use of 1922 and 1892 Building for 3 years
2030	3rd	Full use of the New and Renovated Buildings with no obstruction.

\* BASED ON CURRENT ANTICIPATED SCHEDULE

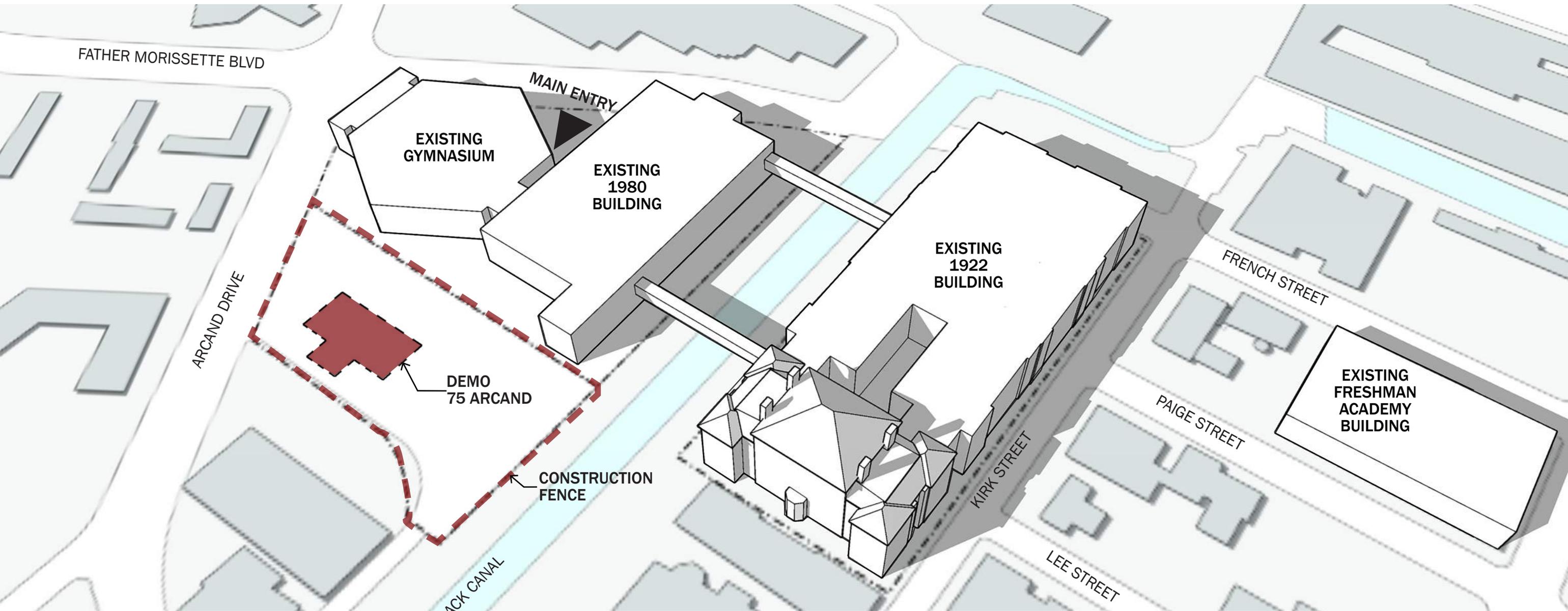
# PHASING PLAN

## EXISTING CAMPUS



# PHASING PLAN

FALL '20 - SPRING '21



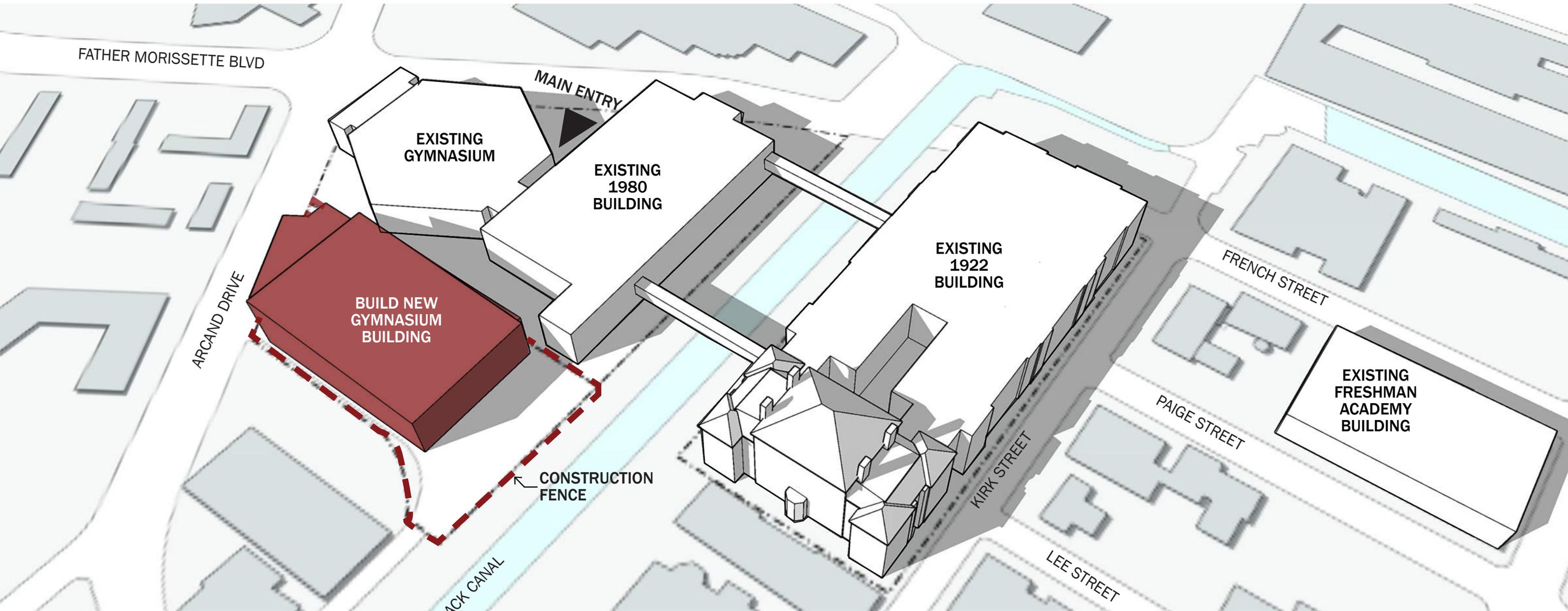
## **PHASE 1 & 1A**

FALL '20 - SPRING '22

- ALL WORK IS OFF-SITE (SCHOOL UNAFFECTED)
- DEMOLISH 75 ARCAND

# PHASING PLAN

SPRING '21 - SPRING '22



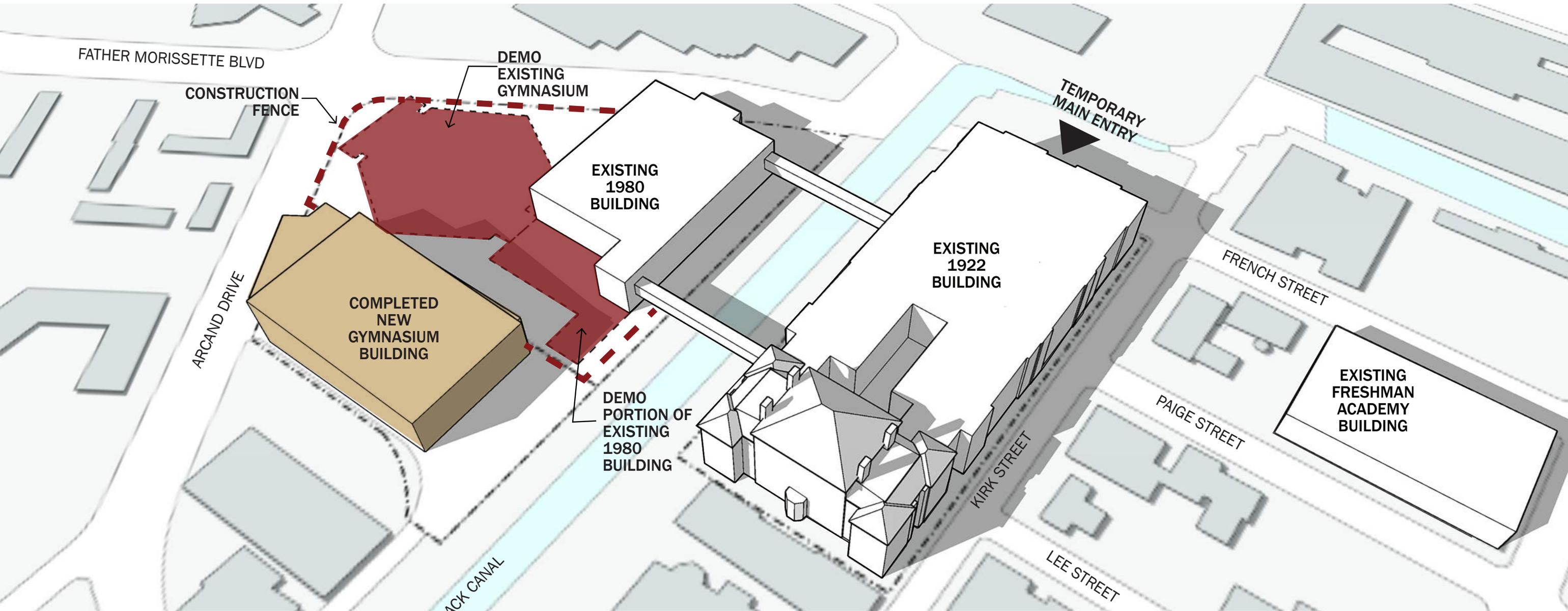
## **PHASE 1 & 1A**

FALL '20 - SPRING '22

- ALL WORK IS OFF-SITE (SCHOOL UNAFFECTED)
- BUILD NEW GYM BLDG. (INCLUDING KITCHEN/BOILER)

# PHASING PLAN

SPRING '22 - SUMMER '22



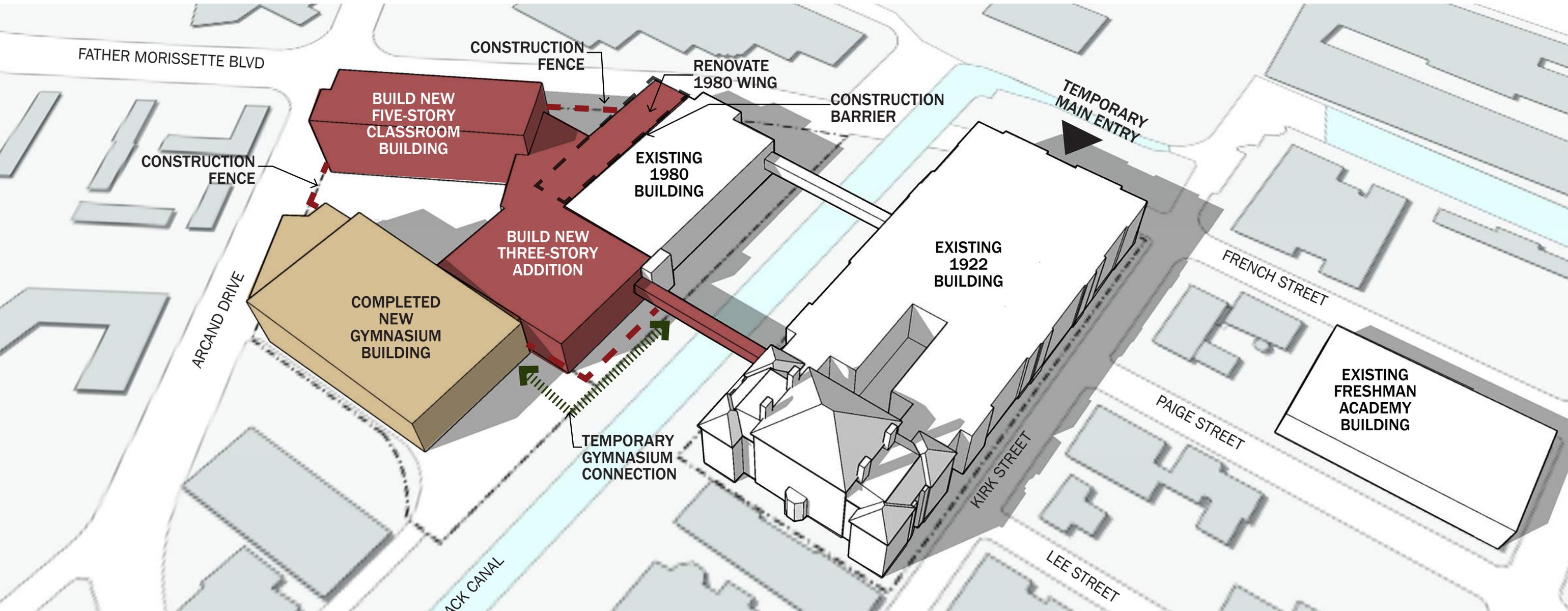
## PHASE 2 & 2A

SPRING '22 - SUMMER '22

- DEMO EXISTING GYM
- BUILD SEPARATION WALLS, TEMPORARY CONNECTOR, RELOCATE MAIN ADMIN. AND VACATE SWING SPACE (DURING THE SUMMER)

# PHASING PLAN

SUMMER '22 - WINTER '23



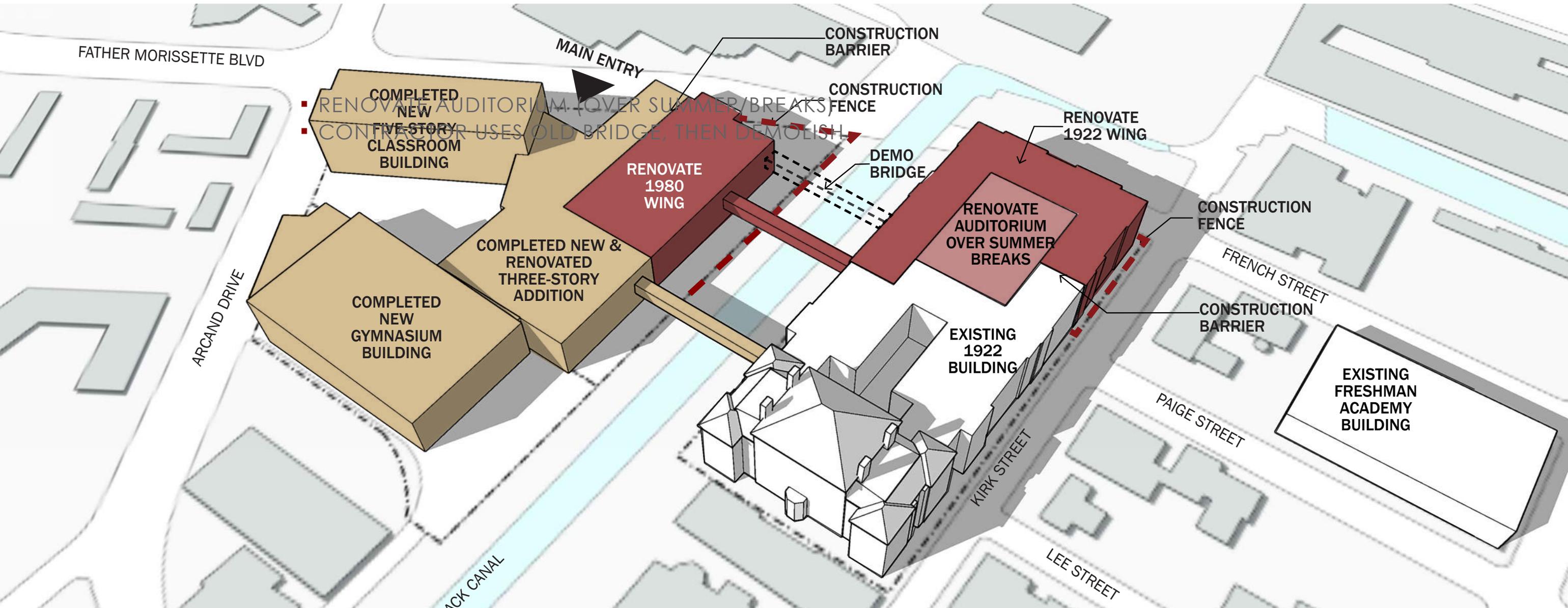
## PHASE 2 & 2A

SPRING '22 - WINTER '23

- BUILD NEW FRESHMAN ACADEMY/BUSN-TECH. (CREATES 60 NEW ROOMS)
- RENOVATE WEST SIDE OF 1980 BUILDING
- REPLACE SOUTH BRIDGE

# PHASING PLAN

WINTER '24 - SPRING '25



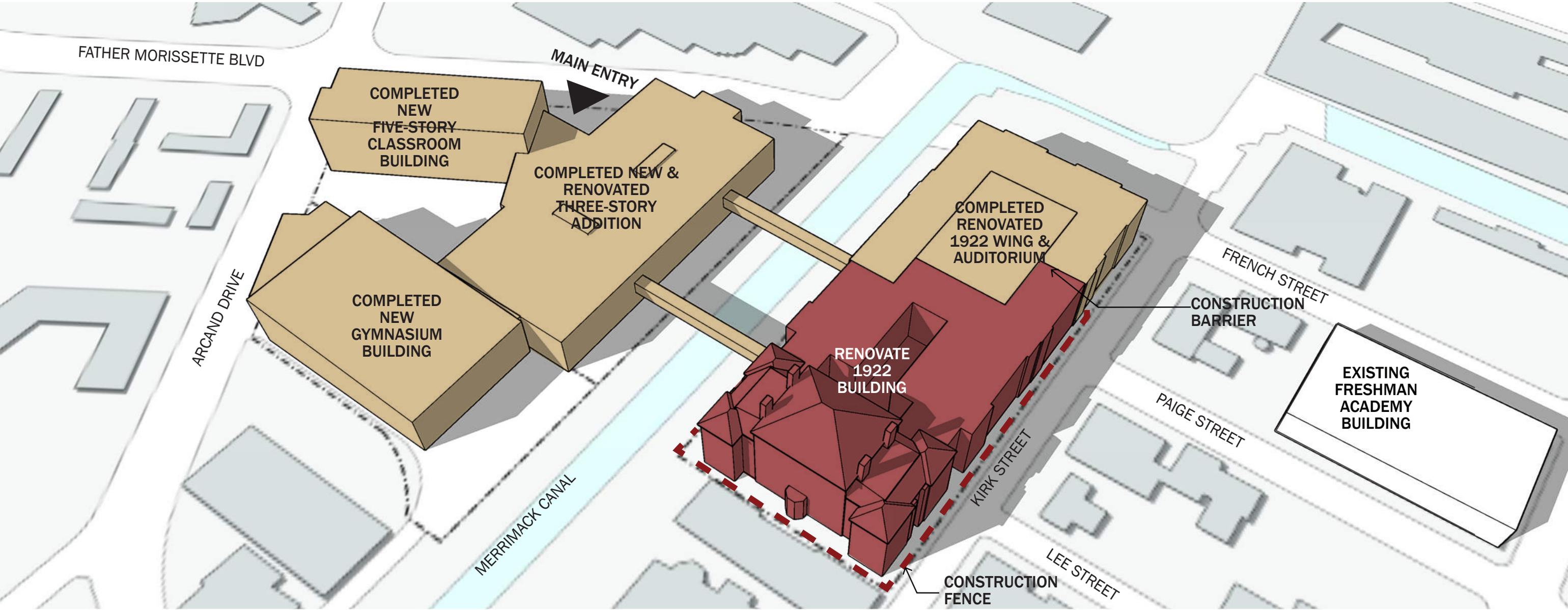
## PHASE 3

WINTER '24 - SPRING '25

- RENOVATE BALANCE OF 1980'S & NORTH 1922 BUILDING
- BUILD NEW NORTH BRIDGE
- RENOVATE AUDITORIUM (OVER SUMMER/BREAKS)
- CONTRACTOR USES OLD BRIDGE, THEN DEMOLISH

# PHASING PLAN

SUMMER '25 - SUMMER '26



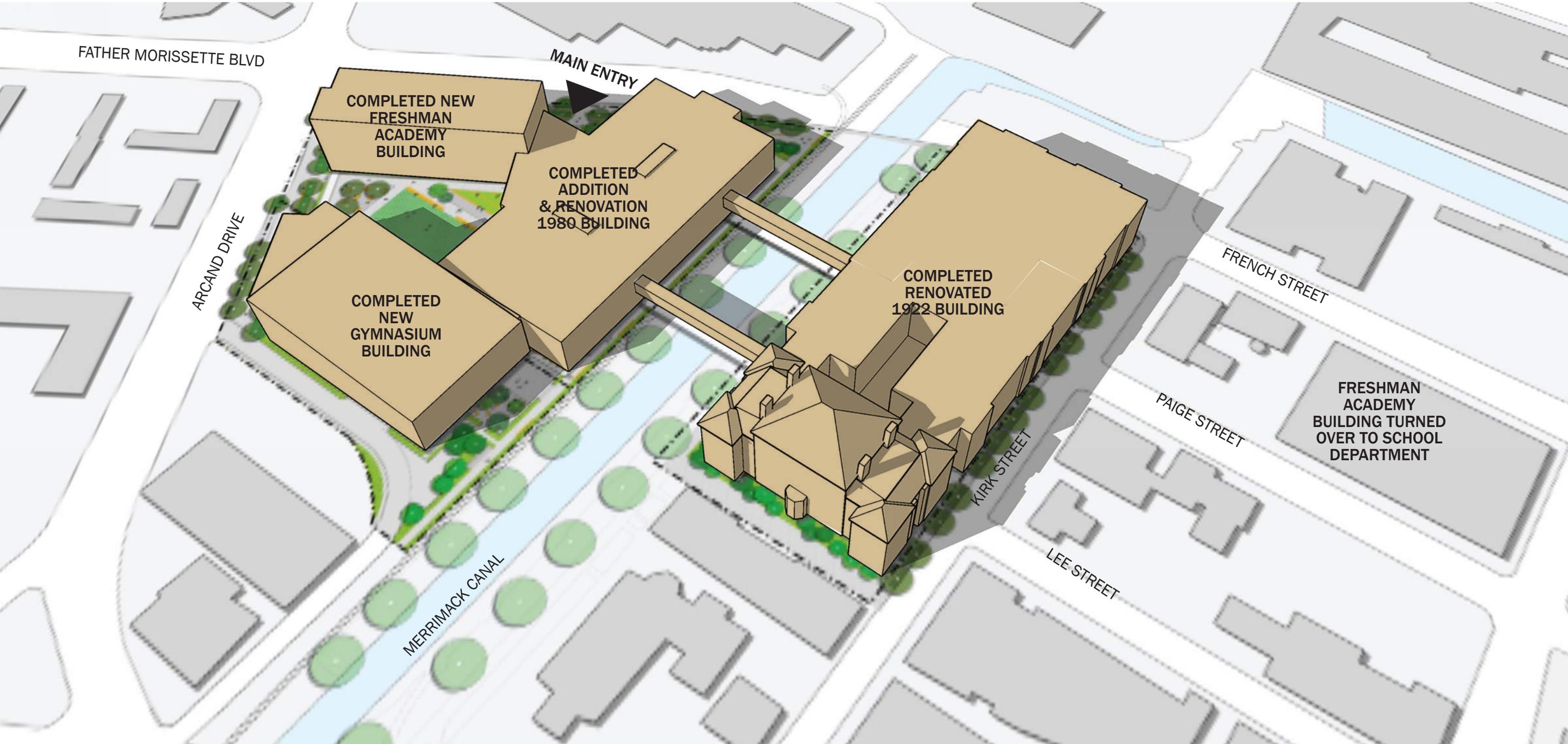
## PHASE 4

SPRING '25 - SUMMER '26

- RENOVATE REMAINDER OF 1922 BUILDING
- FRESHMAN RELOCATED TO NEW FACILITIES

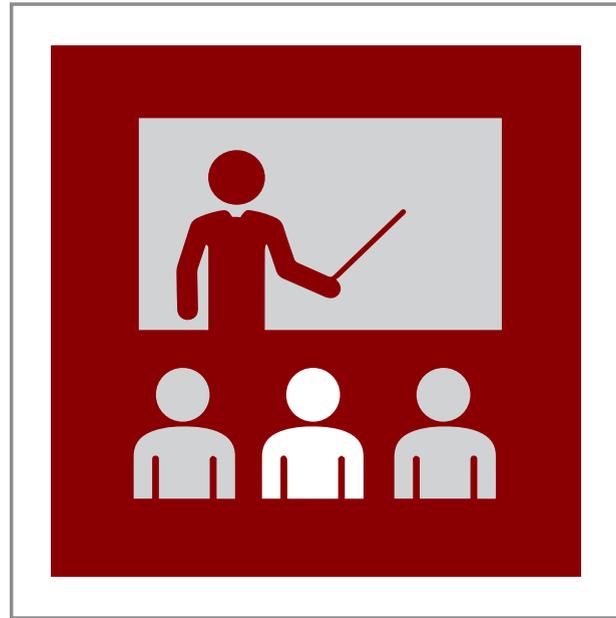
# PHASING PLAN

FALL '26



# PHASED OCCUPIED CONSTRUCTION

## CONSTRUCTION GOALS



**CONTINUITY OF  
EDUCATION**



**SEPARATION OF  
CONSTRUCTION**

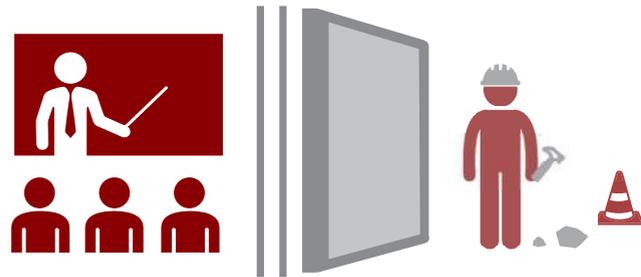


**SAFETY  
FOR ALL**

# PHASED OCCUPIED CONSTRUCTION

## IMPLEMENTATION

### 1. SEPARATED ZONES



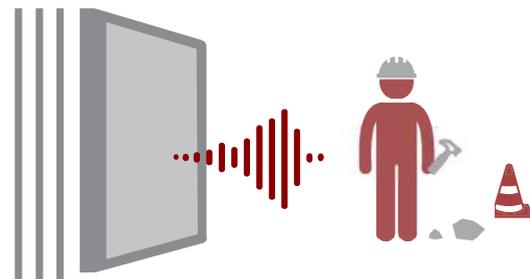
(INCLUDING STACKED)



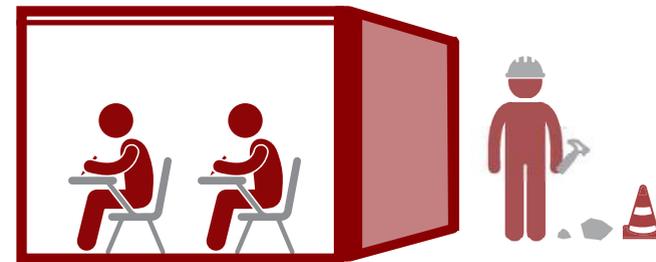
### 2. MAINTAIN SEPARATE STAIRS & HALLWAYS



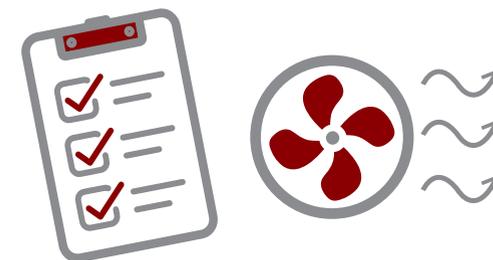
### 3. ACOUSTIC BUFFER SPACE



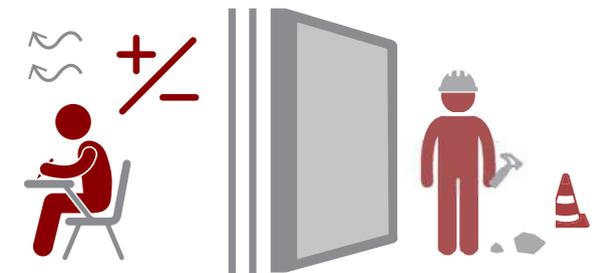
### 4. BUILT BARRIERS/SEALED



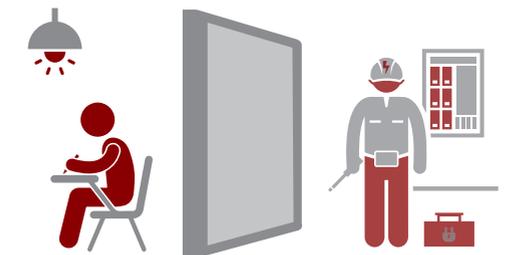
### 5. REGULAR AIR QUALITY TESTING



### 6. NEGATIVE AIR PRESSURE



### 7. CONTINUITY OF (UTILITY) SERVICES *(sequenced phases from new & back to existing)*

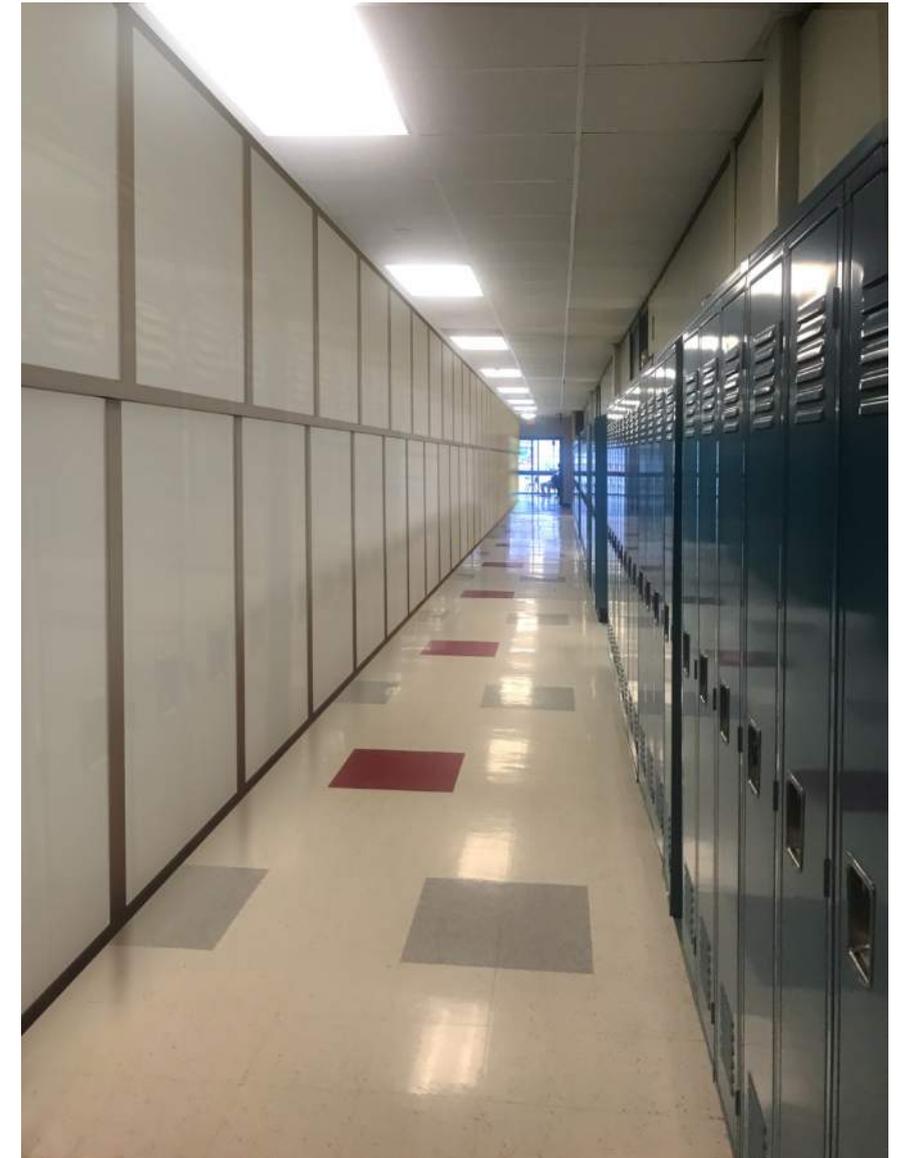


# PHASED OCCUPIED CONSTRUCTION

SEPARATED ZONES - INTERIOR



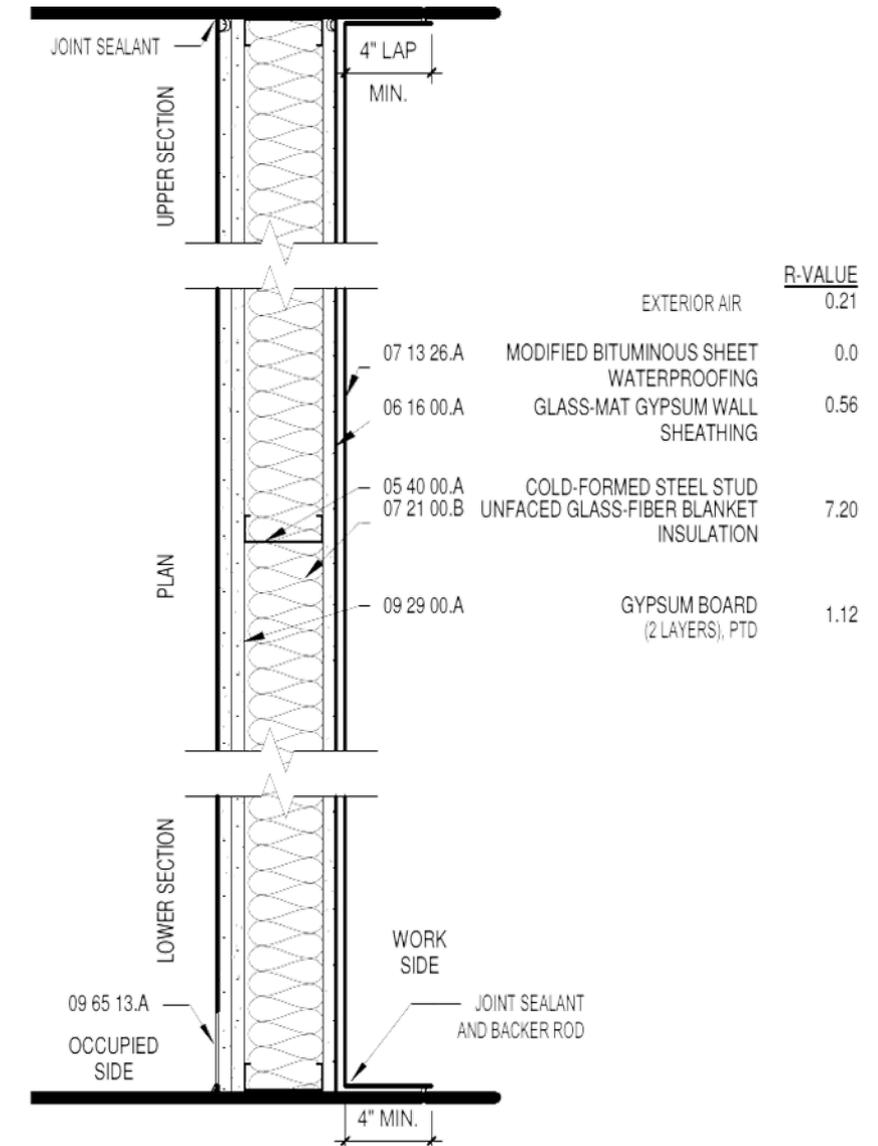
TEMPORARY PARTITION ACROSS HALLWAY  
EAST BUILDING



TEMPORARY PARTITION ALONG HALLWAY  
WEST BUILDING

# PHASED OCCUPIED CONSTRUCTION

## SEPARATED ZONES - EXTERIOR



**TWA-1** TEMPORARY PARTITION - EXTERIOR ASSEMBLY R-VALUE: 9.09 STC RATING: 55

# LOWELL HIGH SCHOOL



FOR MORE INFORMATION VISIT:

[HTTP://WWW.LOWELLHSPROJECT.COM/](http://www.lowellhsp.com/)