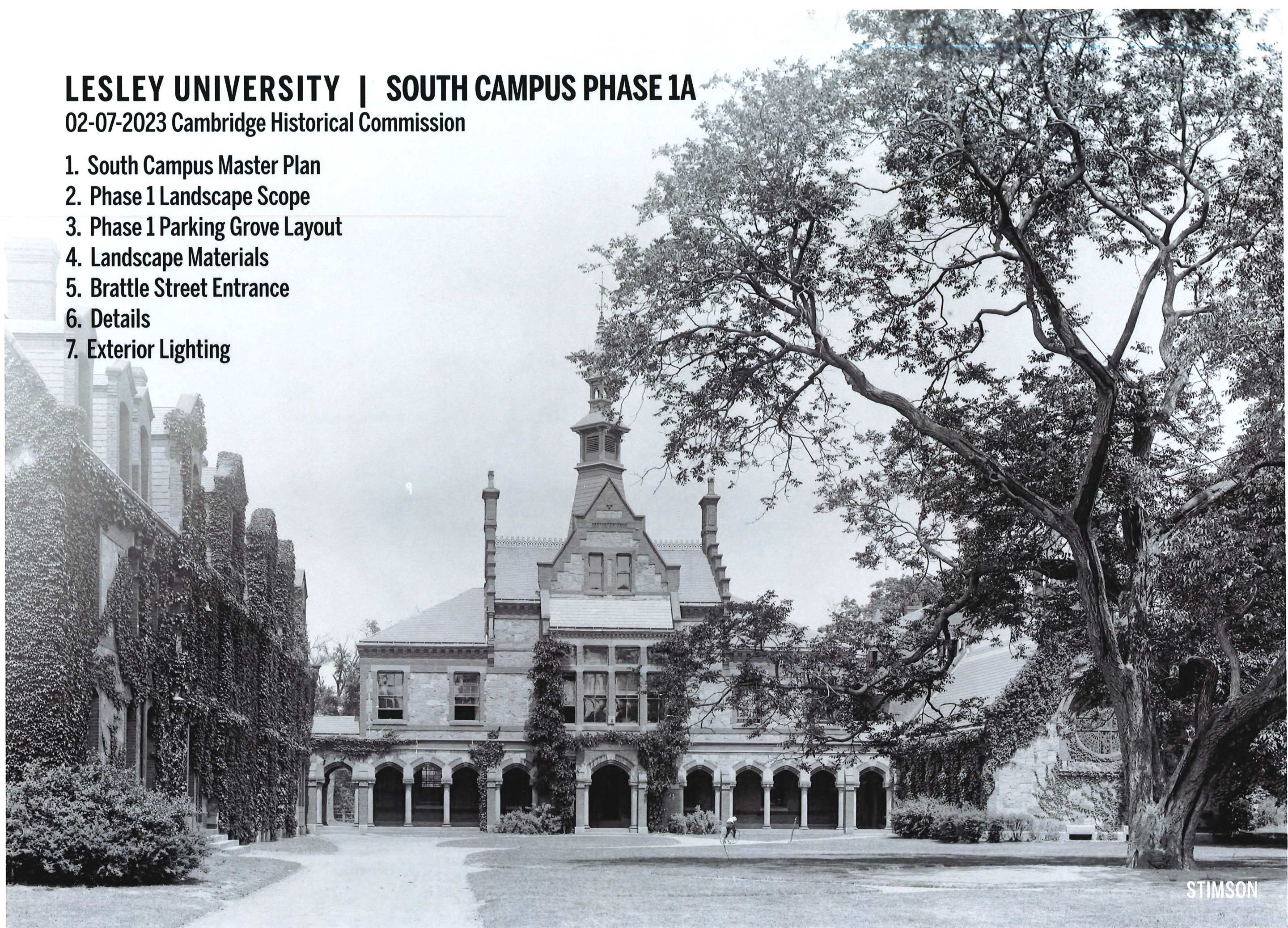


LESLEY UNIVERSITY | SOUTH CAMPUS PHASE 1A

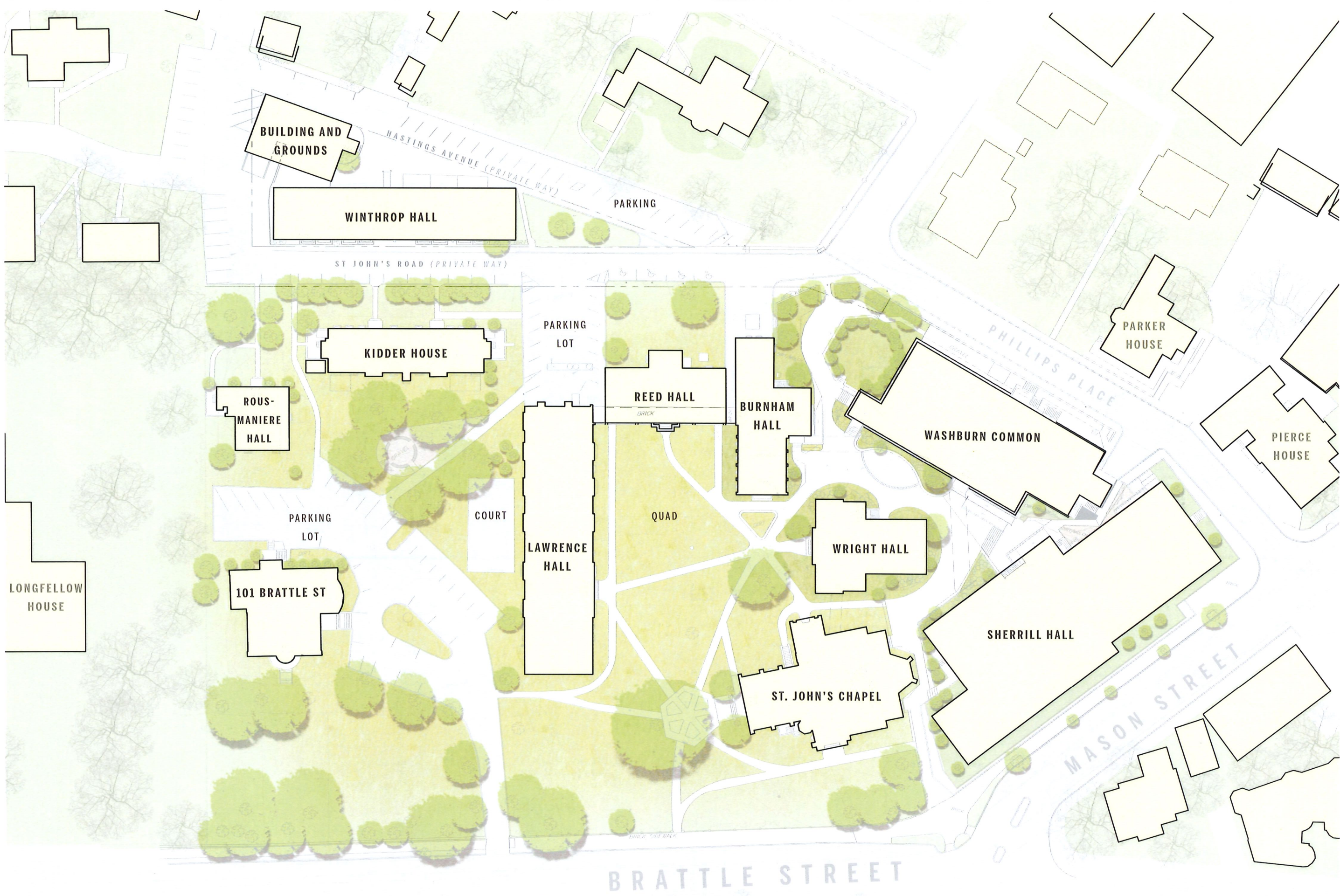
02-07-2023 Cambridge Historical Commission

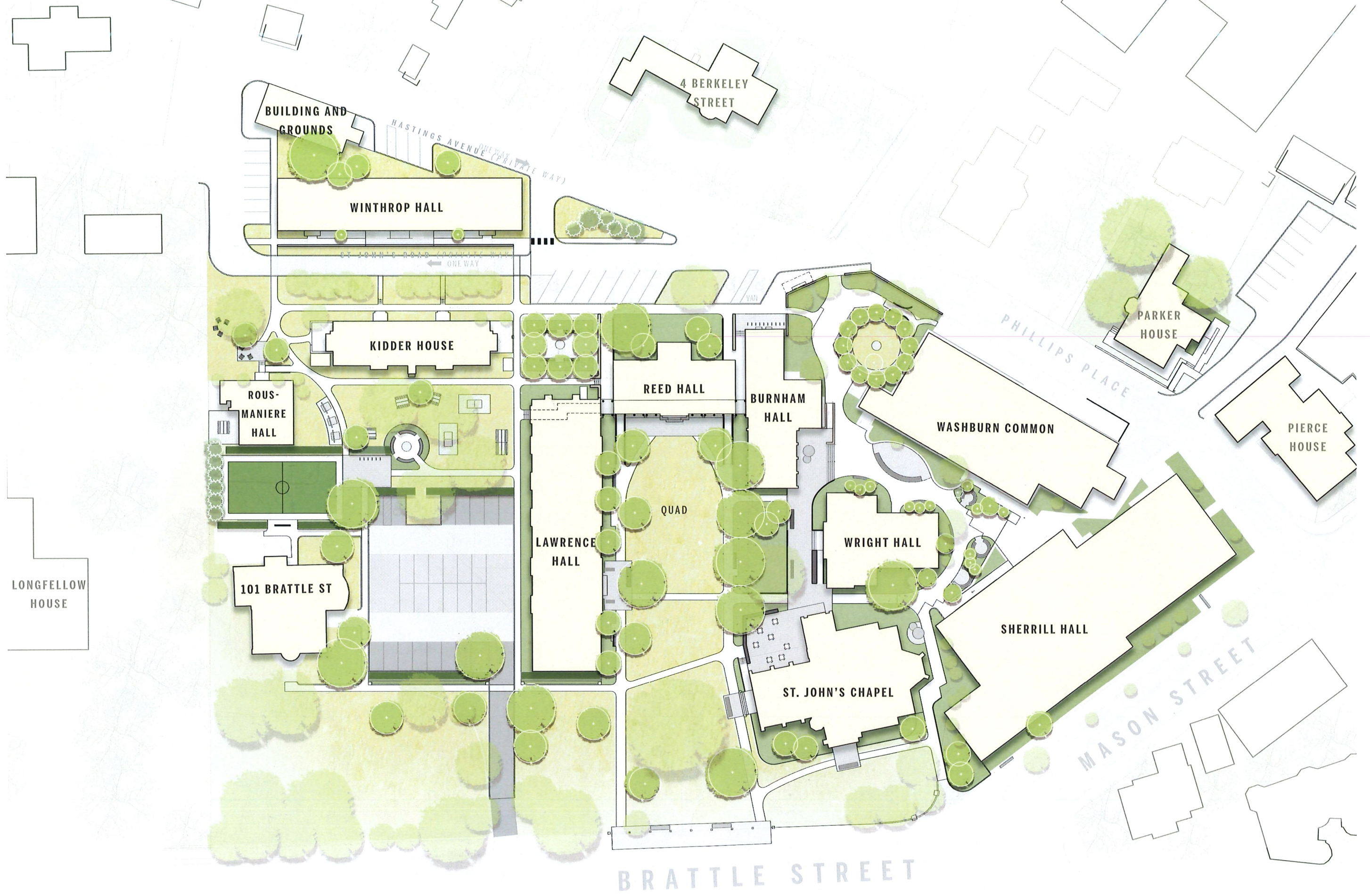
1. South Campus Master Plan
2. Phase 1 Landscape Scope
3. Phase 1 Parking Grove Layout
4. Landscape Materials
5. Brattle Street Entrance
6. Details
7. Exterior Lighting

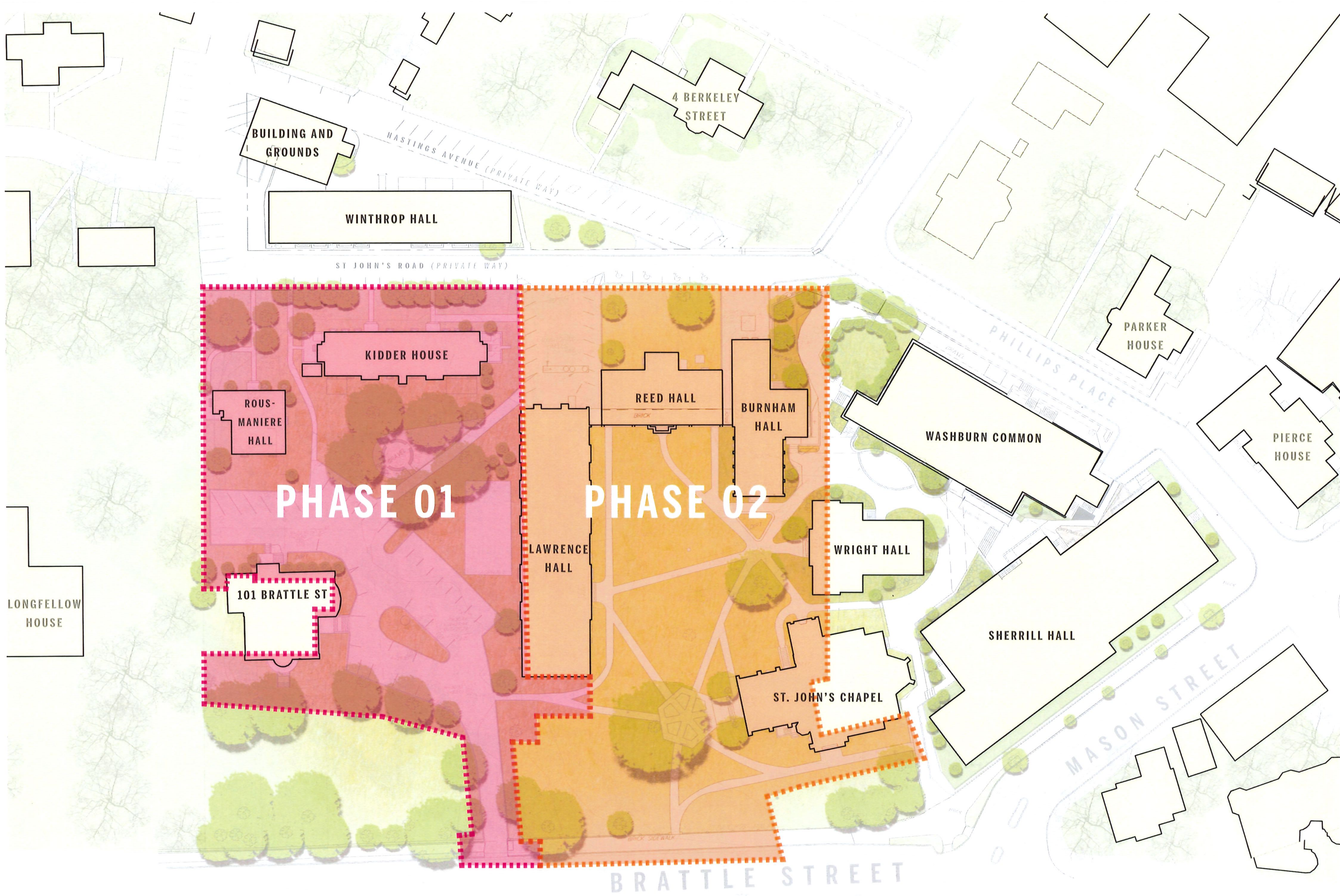
March 2
2023
Healey

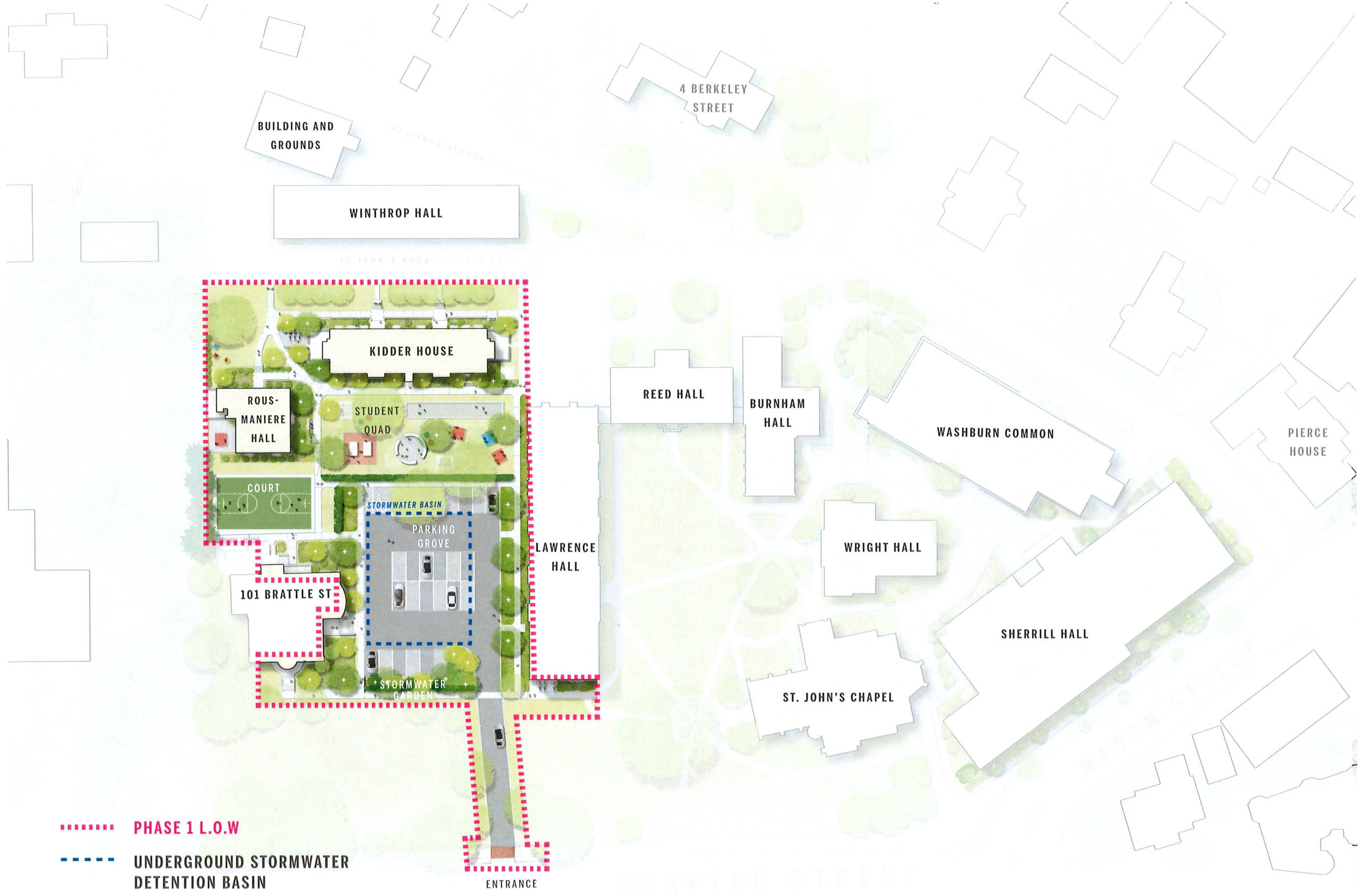


STIMSON





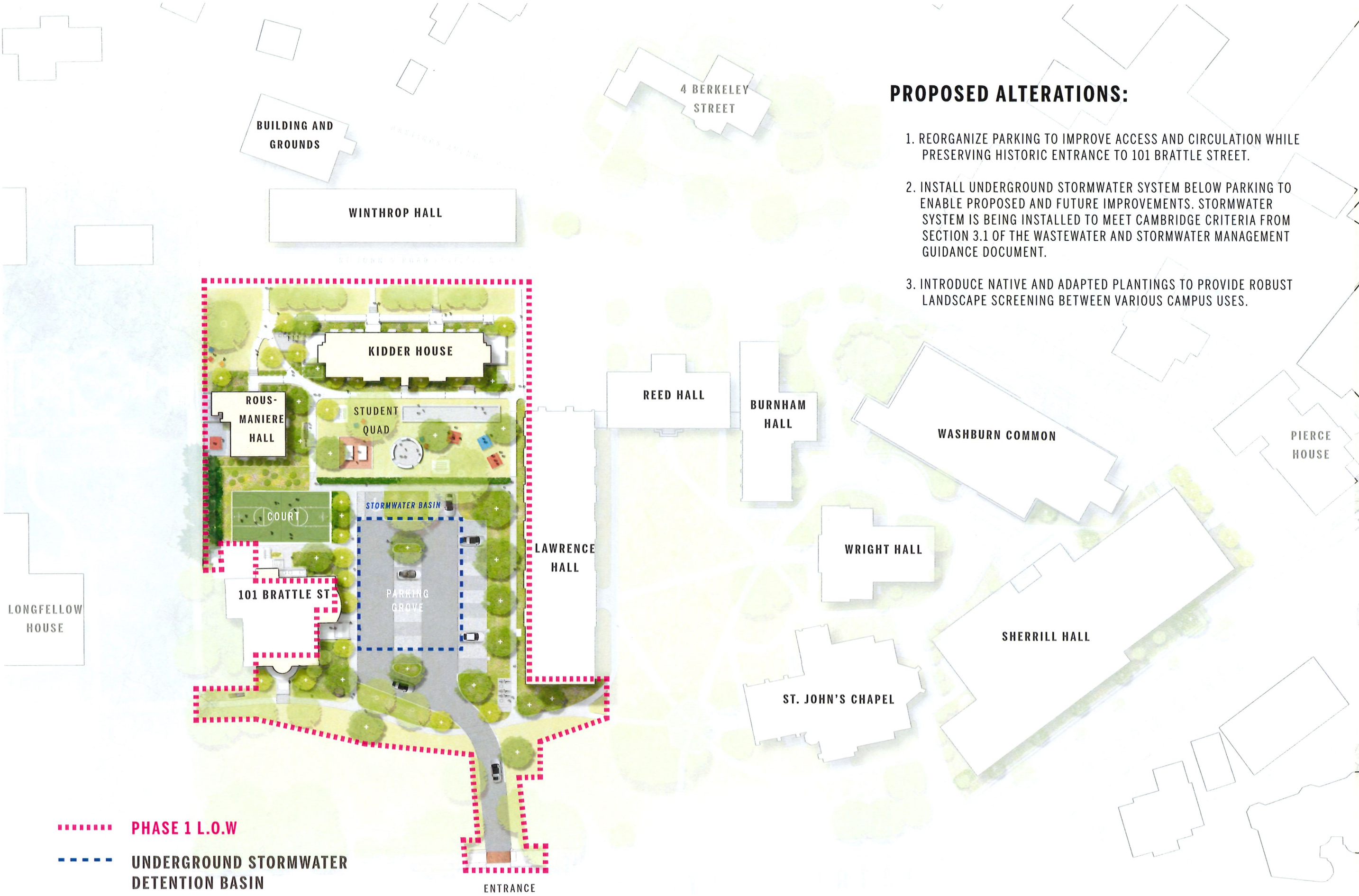




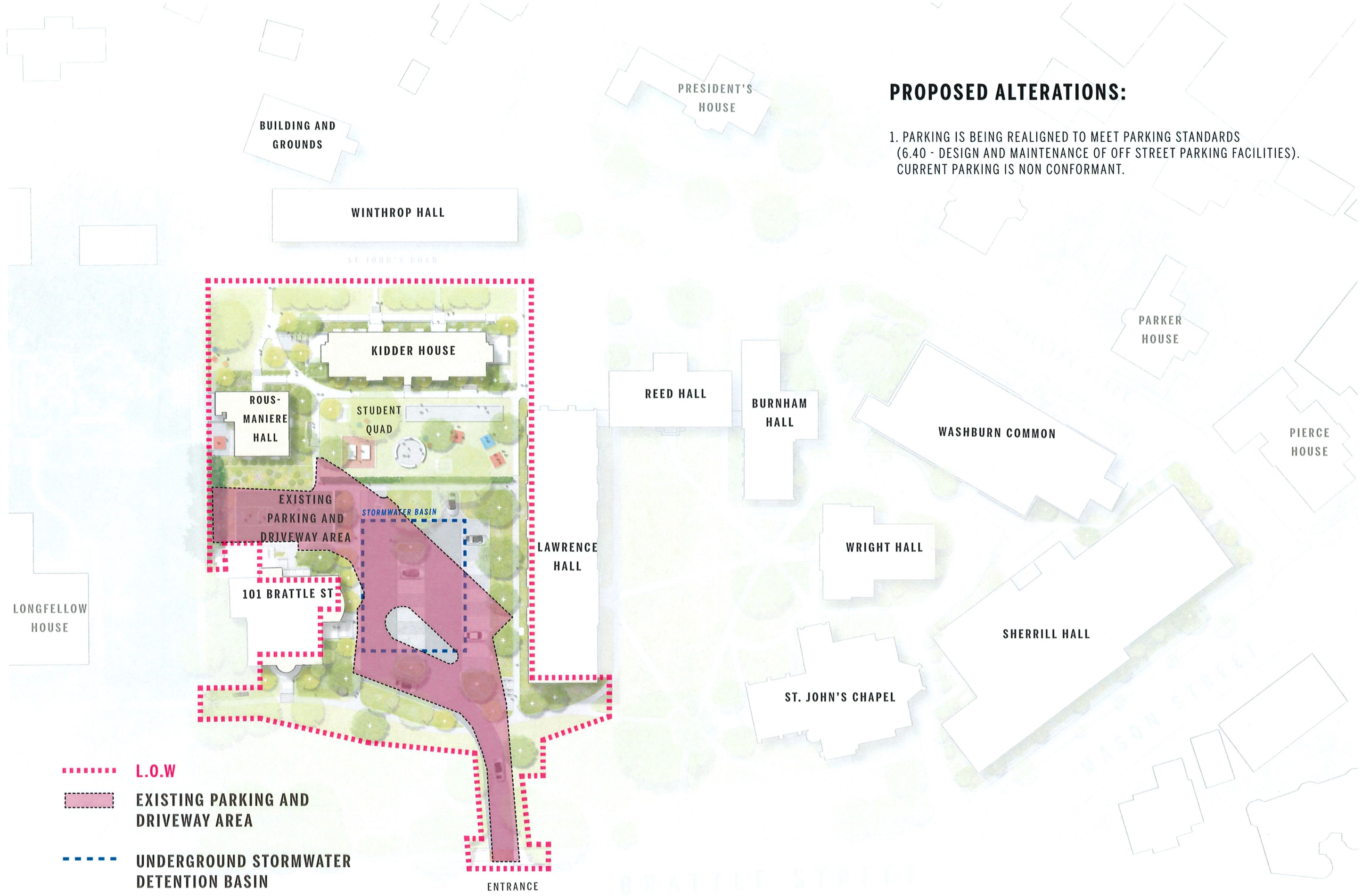
- PHASE 1 L.O.W
- UNDERGROUND STORMWATER DETENTION BASIN

PROPOSED ALTERATIONS:

- 1. REORGANIZE PARKING TO IMPROVE ACCESS AND CIRCULATION WHILE PRESERVING HISTORIC ENTRANCE TO 101 BRATTLE STREET.
- 2. INSTALL UNDERGROUND STORMWATER SYSTEM BELOW PARKING TO ENABLE PROPOSED AND FUTURE IMPROVEMENTS. STORMWATER SYSTEM IS BEING INSTALLED TO MEET CAMBRIDGE CRITERIA FROM SECTION 3.1 OF THE WASTEWATER AND STORMWATER MANAGEMENT GUIDANCE DOCUMENT.
- 3. INTRODUCE NATIVE AND ADAPTED PLANTINGS TO PROVIDE ROBUST LANDSCAPE SCREENING BETWEEN VARIOUS CAMPUS USES.



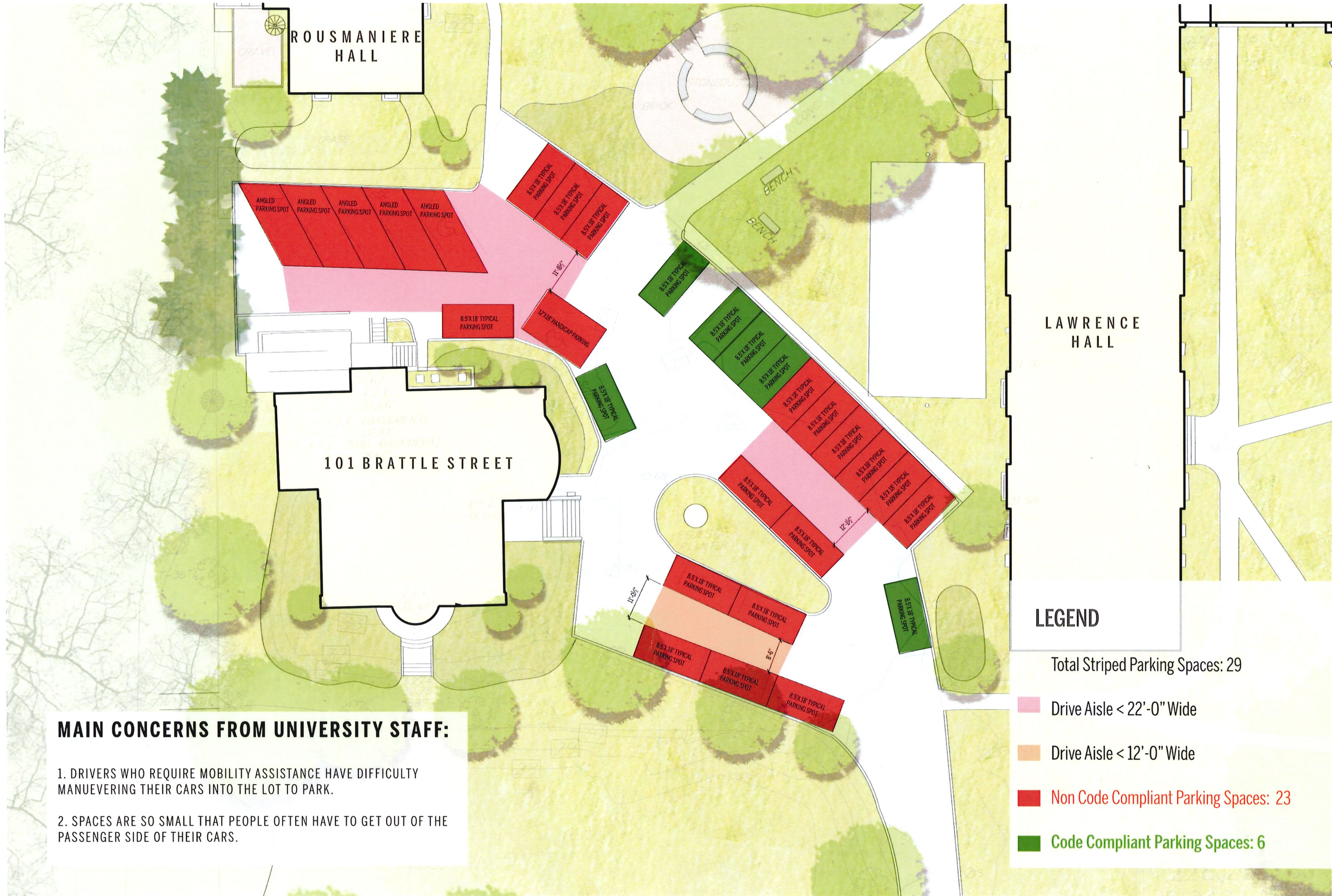
- - - - - PHASE 1 L.O.W.
- - - - - UNDERGROUND STORMWATER DETENTION BASIN



PROPOSED ALTERATIONS:

1. PARKING IS BEING REALIGNED TO MEET PARKING STANDARDS (6.40 - DESIGN AND MAINTENANCE OF OFF STREET PARKING FACILITIES). CURRENT PARKING IS NON CONFORMANT.

- L.O.W
- EXISTING PARKING AND DRIVEWAY AREA
- UNDERGROUND STORMWATER DETENTION BASIN



MAIN CONCERNS FROM UNIVERSITY STAFF:

1. DRIVERS WHO REQUIRE MOBILITY ASSISTANCE HAVE DIFFICULTY MANUEVERING THEIR CARS INTO THE LOT TO PARK.
2. SPACES ARE SO SMALL THAT PEOPLE OFTEN HAVE TO GET OUT OF THE PASSENGER SIDE OF THEIR CARS.

LEGEND

- Total Striped Parking Spaces: 29
- Drive Aisle < 22'-0" Wide
- Drive Aisle < 12'-0" Wide
- Non Code Compliant Parking Spaces: 23
- Code Compliant Parking Spaces: 6

LEGEND

Standard Spaces: 15

ADA Parking : 1

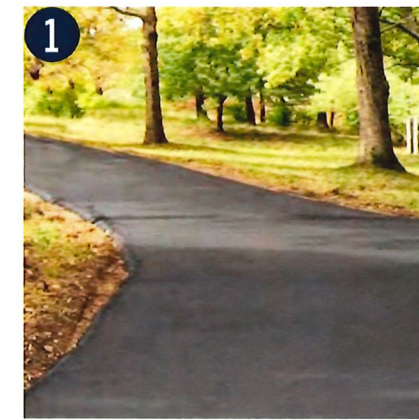
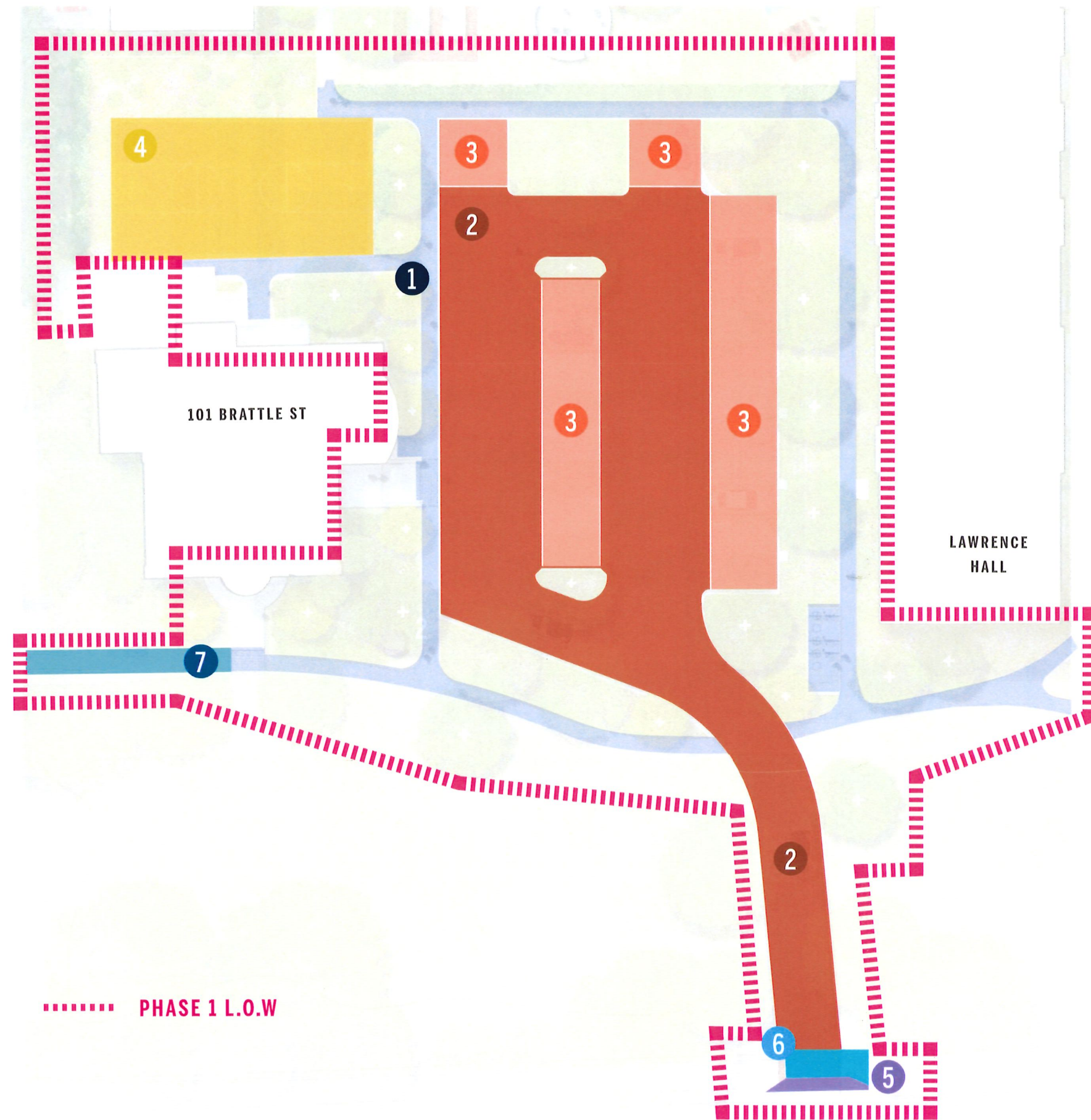
EV Parking Spaces: 6

Total Striped Parking Spaces: 22





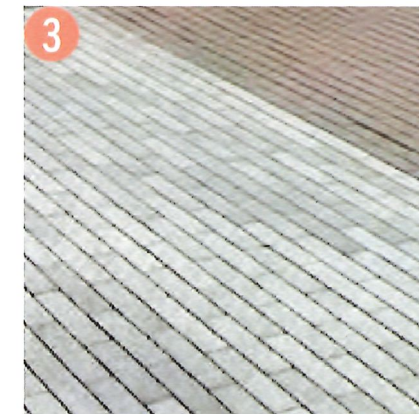
EMERGENCY VEHICLE
Width: 8'-4"
Length: 23'-3"
W/W Rad: 29'-3"



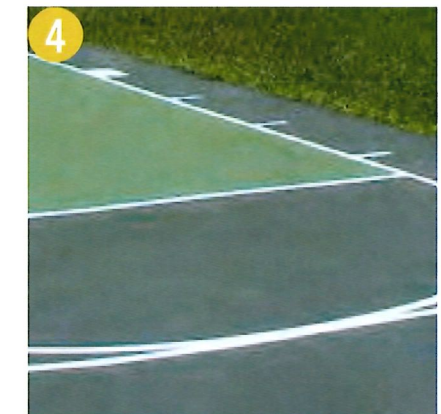
BITUMINOUS CONCRETE PAVING



BITUMINOUS CONCRETE PAVING



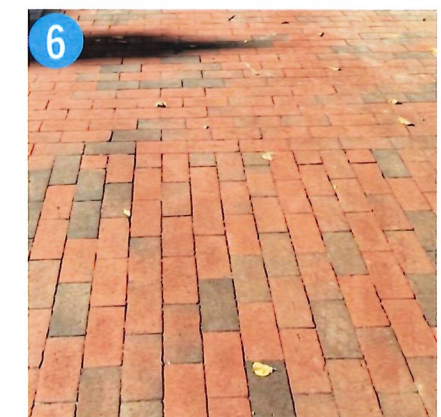
POROUS UNIT PAVERS



BITUMINOUS CONCRETE WITH SPORT SURFACE COATING



GRANITE CURB/POST/APRON



SALVAGED BRICK PAVING



STONE DUST PAVING TO MATCH STONE DUST PAVIGN AT LONGFELLOW HOUSE GROUNDS

SOUTH CAMPUS | PHASE 1 MATERIALS



SOUTH CAMPUS | EXISTING ENTRANCE TO 101 BRATTLE FROM BRATTLE STREET

PROPOSED ALTERATIONS:

1. REPLACE EXISTING CURB CUT AT BRATTLE STREET WITH BRICK SIDEWALK AND GRANITE APRON - PER CITY OF CAMBRIDGE STANDARDS.
2. INTRODUCE NATIVE AND ADAPTED PLANTINGS TO CONCEAL PARKING LOT AND RESIDENTIAL ACTIVITIES FROM BRATTLE STREET.
3. INSTALL RECLAIMED GRANITE PIERS TO MARK THE ENTRANCE TO THE NEW PARKING LOT BEYOND HISTORIC ENTRANCE.



SOUTH CAMPUS | ENTRANCE TO 101 BRATTLE FROM BRATTLE STREET



KEY PLAN



SOUTH CAMPUS | SECTION THROUGH 101 BRATTLE STREET PARKING GROVE



KEY PLAN

101 BRATTLE STREET

AUTOCOURT
84'-0"

LAWRENCE HALL



101 BRATTLE ST
FFE 35.48

LAWRENCE HALL
FFE 34.55

SOUTH CAMPUS | SECTION LOOKING NORTHEAST FROM NEW PEDESTRIAN PATH



EXISTING CONDITIONS | VIEW FROM LONGFELLOW HOUSE



PROPOSED CONDITIONS | VIEW FROM LONGFELLOW HOUSE



EXISTING CONDITION | VIEW OF 101 BRATTLE SIDE YARD

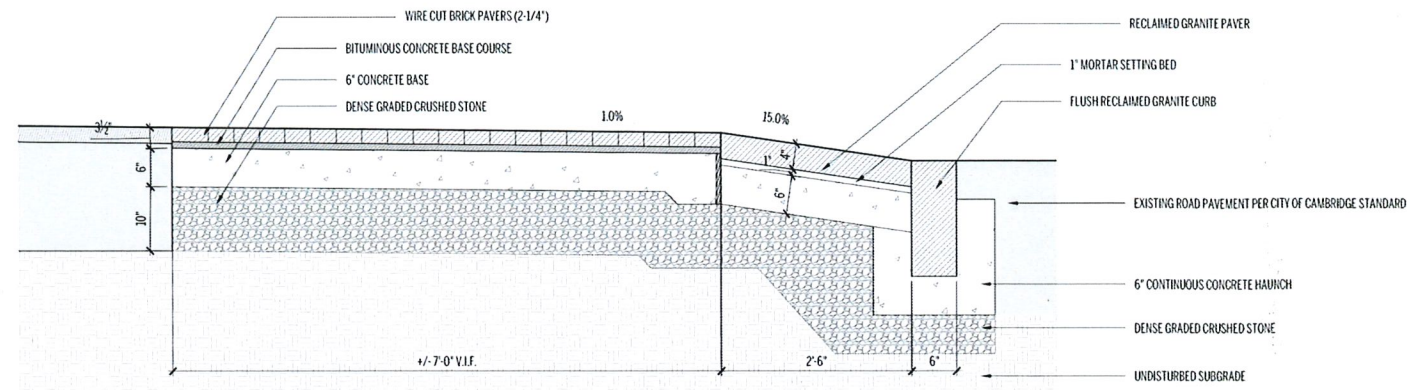


PROPOSED CONDITION | VIEW OF 101 BRATTLE SIDE YARD



BRICK CURB CUT

SOUTH CAMPUS | EXISTING ENTRANCE TO 101 BRATTLE FROM BRATTLE STREET

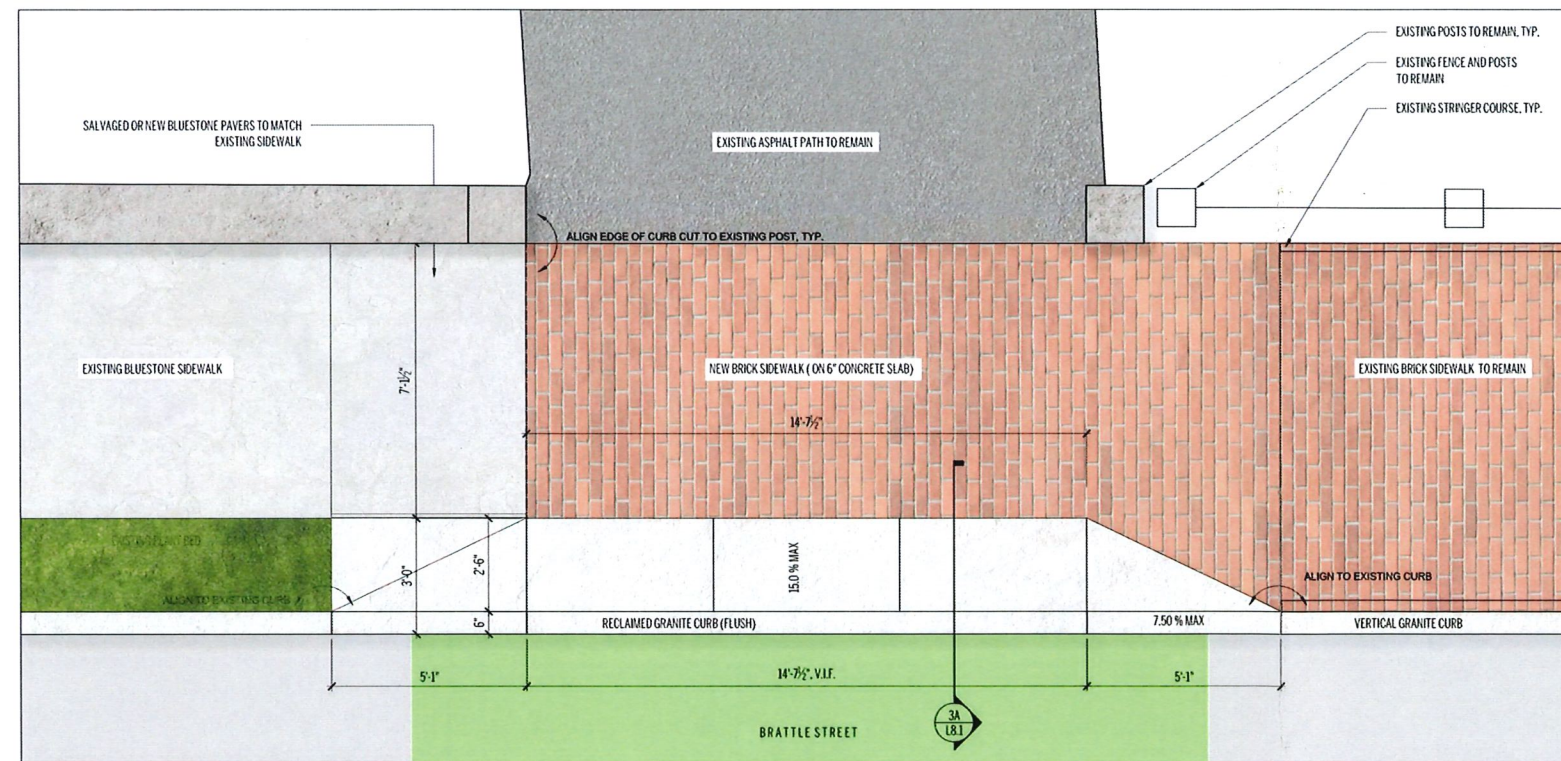


SECTION



KEY PLAN

BRICK CURB CUT AT BRATTLE STREET : SECTION PLAN
SCALE: 1" = 1'-0"



BRICK CURB CUT AT BRATTLE STREET : ENLARGEMENT PLAN
SCALE: 1" = 1'-0"

ENLARGEMENT PLAN

1 BRICK AND GRANITE CURB CUT AT 101 BRATTLE STREET

Lesley University South Campus

Site Lighting for Connective Fabric



Connective Fabric Site Lighting - Design Criteria

Light Pollution

As defined by the International Dark Sky Association, together with the Illuminating Engineering Society, the site lighting design will take into consideration the Five Principles for Responsible Outdoor Lighting:

1. Useful - All light should have a clear purpose
2. Targeted - Light should be directed only to where needed
3. Low Light Levels - Light should be no brighter than necessary
4. Controlled - Light should be used only when it is useful
5. Color - Use warmer color lights where possible

The site lighting will not exceed the luminaire backlight and glare ratings BUG rating method, as defined in IES TM-15-11, to avoid light trespass to nearby properties and to avoid upward light into the night sky. Lighting poles located near buildings will be equipped with backshield accessory.

Light CCT (Correlated Color Temperature)

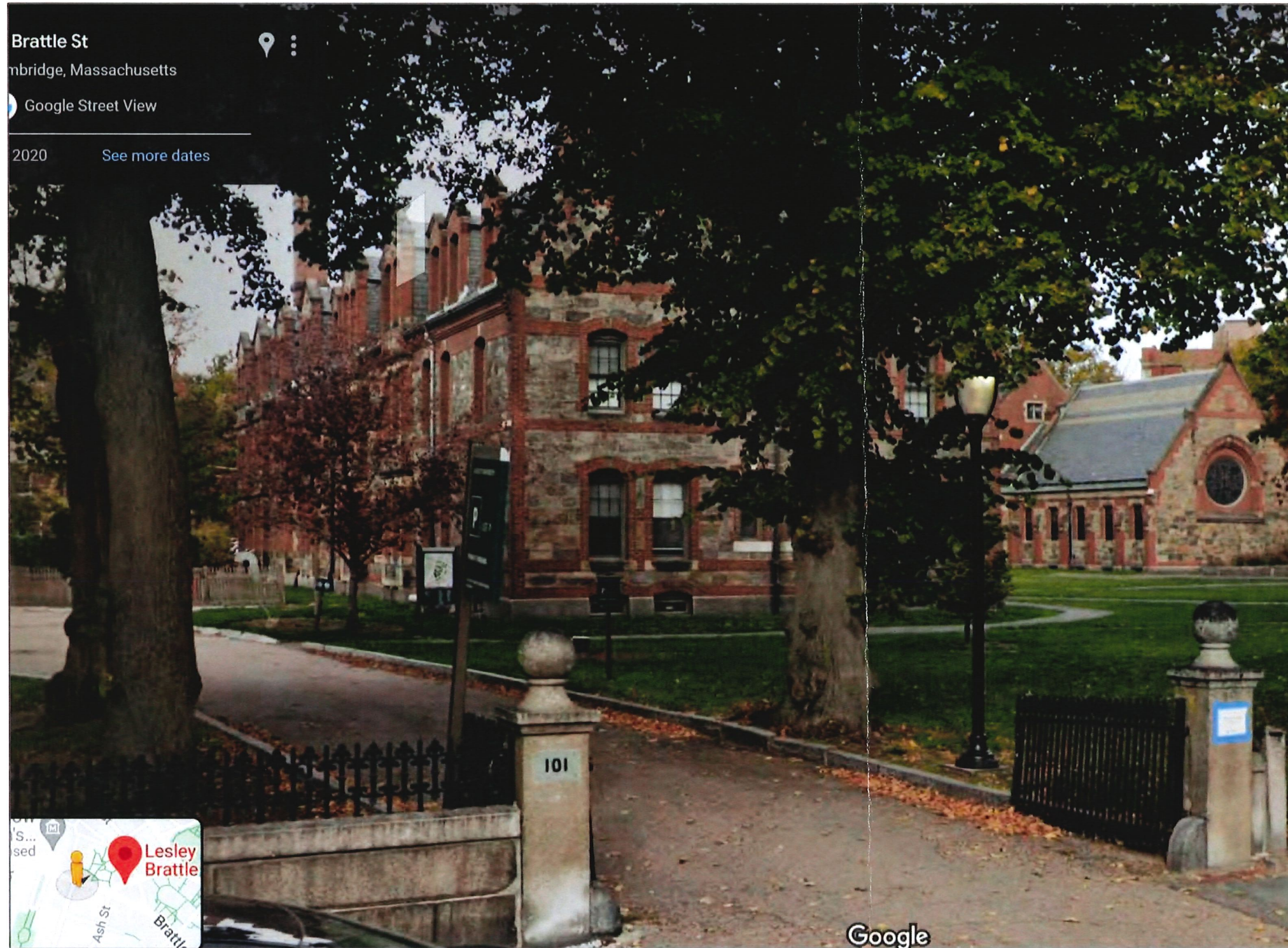
The design intent for the CCT (Correlated Color Temperature) is to respect the light pollution principle “color” of using a warm color temperature, and to match interior lighting of the buildings, with exterior lighting. The Site Lighting all over the Campus will be 3000K.

Illuminance Levels

The design requirements for light illuminance levels, are based on the code references included here:

- IES RP-43-22 Lighting Exterior Applications
- IES RP-8-18 Roadway and Parking Facilities

Connective Fabric Site Lighting - Light Fixtures

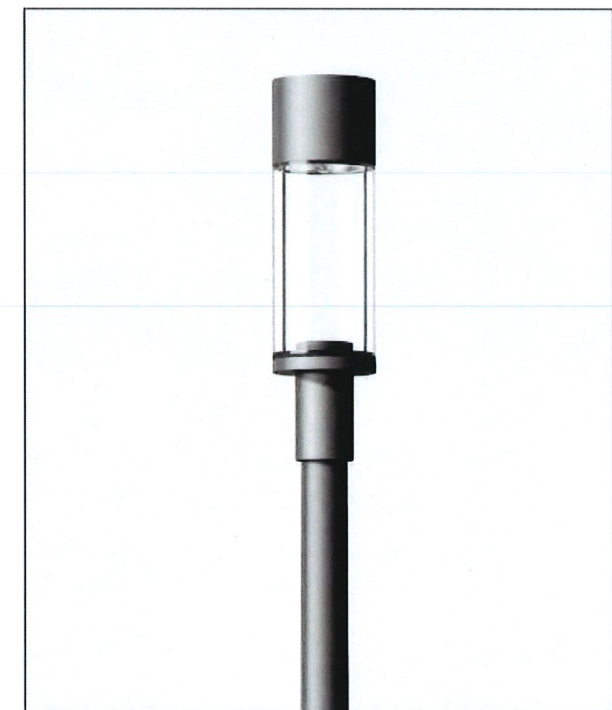


Lesley University South Campus | Site Lighting | January 2023

Arup




STUDENT QUAD
and PARKING:
Pole light with Integrated
security cameras
and Wi-Fi

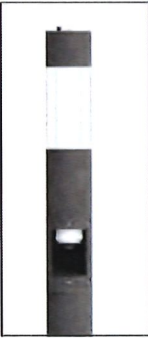


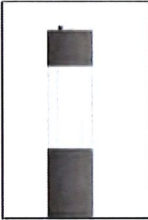
PATHWAYS and PARKING:
Post-top Light fixture

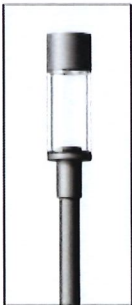
Connective Fabric Site Lighting - Layout - PH1



- 

E01 Pole light with Integrated security cameras and Wi-Fi
 Hess - CITY ELEMENTS 230AR600 LVC
 Column height 15'
 BUG rating: B1-U2-G1
- 

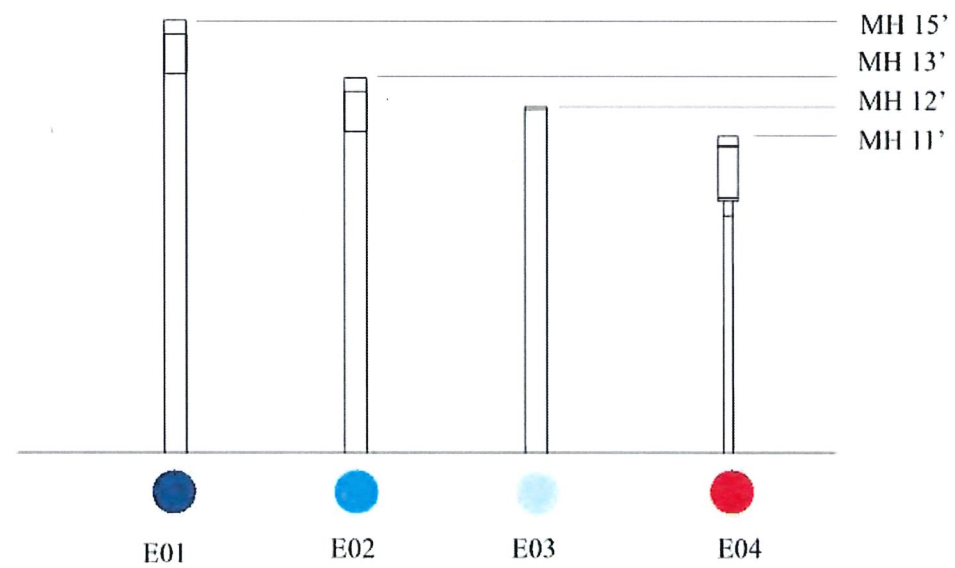
E02 Pole light with Integrated security cameras
 Hess - CITY ELEMENTS 230AR600 LVC
 Column height 13'
 BUG rating: B1-U2-G1
- 

E03 Pole with Integrated Wi-Fi
 Hess - CITY ELEMENTS 230AR600 LVC
 Column height 12'
- 

E04 Post-top
 Bega - 84 102
 Height 11'
 BUG rating: B2-U2-G2

Connective Fabric Site Lighting - Lighting Fixtures mounting height

- Design considerations regarding the urban scale and appearance of the light fixtures in the space.



*City Element poles will be available in 3 height variants, depending on the modules that will be integrated for security/IT.

E01: MH 15'

E02: MH 13'

E03: MH 12'

