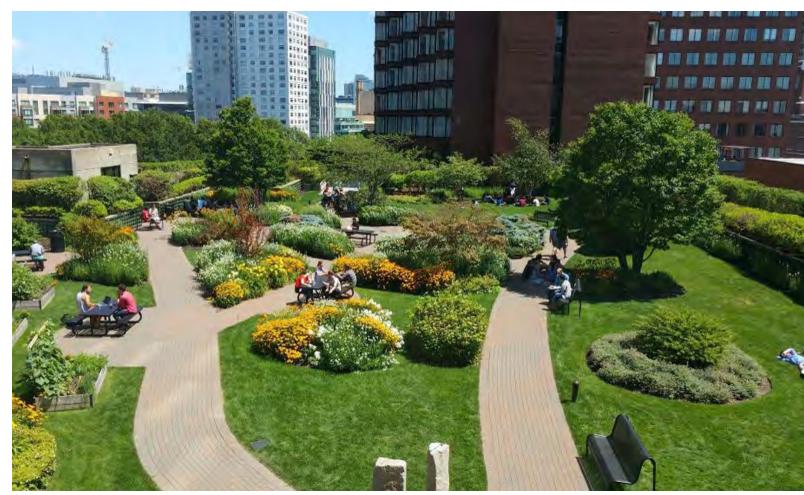


# KENDALL ROOF GARDEN DESIGN UPDATE

JUNE 19, 2019





CCA. 1981





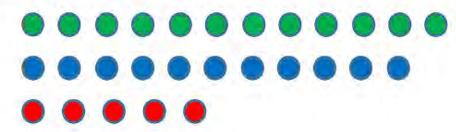


KENDALL ROOF GARDEN USER ENGAGEMENT

# Physical space/Green space

# **Community Programming**

Art



#### Rooftop bar/beer garden 🔍 🔘

Space for local residents as well as employees after work. Such a feature could also encourage interaction between residents and employees.

#### Movie or artistic events 🔵 🔘 🛢

Respondents were in favor of space and technological capability for movie offerings or other artistic events (like spontaneous musical performances).

#### Meandering walks

"Interesting" walks that meander and truly utilize the space (rather than direct or straight-forward walkways) open up the possibility for exploration and give the Garden an element of being interactive.

# Lighting

People expressed enthusiasm for lighting throughout the Garden to facilitate evening and night-time use. Additionally, light was felt to add some interesting elements to the space and ambiance of the Garden.

# Sculpture 🧶 🥘

Respondents expressed support for sculptures throughout the Garden, both as art elements but also as means to mitigate wind blowing through the space. Sculptures or art pieces could also serve as structures for children's play, too.

# Create clear path to Roof Garden

Currently, some people are unaware that the Garden is accessible to the public. To convey access and guide people there from the street, respondents suggested utilizing art, vegetation, or lighting.

#### Speakers and presentations

The space can be utilized for educational as well as inspirational purposes. Suggestions ranged from current-event discussions to TED-style talks to presentations from MIT students and Google employees showcasing their work and inventions.

# Elements that permit usage of the space across seasons

People would like the Garden to have elements that extend usage throughout most of the year.

Trellises to provide shade in the summer and portable heaters during the fall and spring were mentioned as desirable features.

#### Pop-up events

Respondents would like to see the Green Garage be a center for "popup" events like a farmers market, art or music festivals, and vender showcases. Community members also suggested lunch-specific events for local workers such as bands or food vendors.

#### Seating/work areas

Respondents desired seating elements and work areas that are "fun," unique and moveable to help facilitate collaboration and community. When possible, they suggested it would be nice to have furniture that swings or is creative and non-standard in some other way.

#### 

There was enthusiasm for gardens that are not just typical plant collections. Rather, respondents desired gardens that are interactive (instructional planting, educational labeling, etc.) or thematic (ethnic herb collections, plants organized around an idea or color). Some highlighted the need for garden beds being at wheelchair heights.

#### Painted murals 🔵 🔘

Murals and decorative paintings on the headhouses and other building elements provide an opportunity to make these elements more attractive and possibly to showcase work by local artists.

# Social games 🔵 🌘

Games or activities that are active and social in nature were appealing. Suggestions included pickleball, yoga, dance parties, four square, connect four, and scavenger hunts.

# Interactive opportunities with Google

Respondents were in favor of creating opportunities to interact with the Google office and technology. Suggestions included interactive video games or exhibits that linked the Garden with the Google lobby.

### Children-specific programming

The space should be age-inclusive, with events for children such as story-telling nights and spelling bees. Other suggestions included game nights and game tables for younger children.

KENDALL ROOF GARDEN

ROOF GARDEN USER ENGAGEMENT

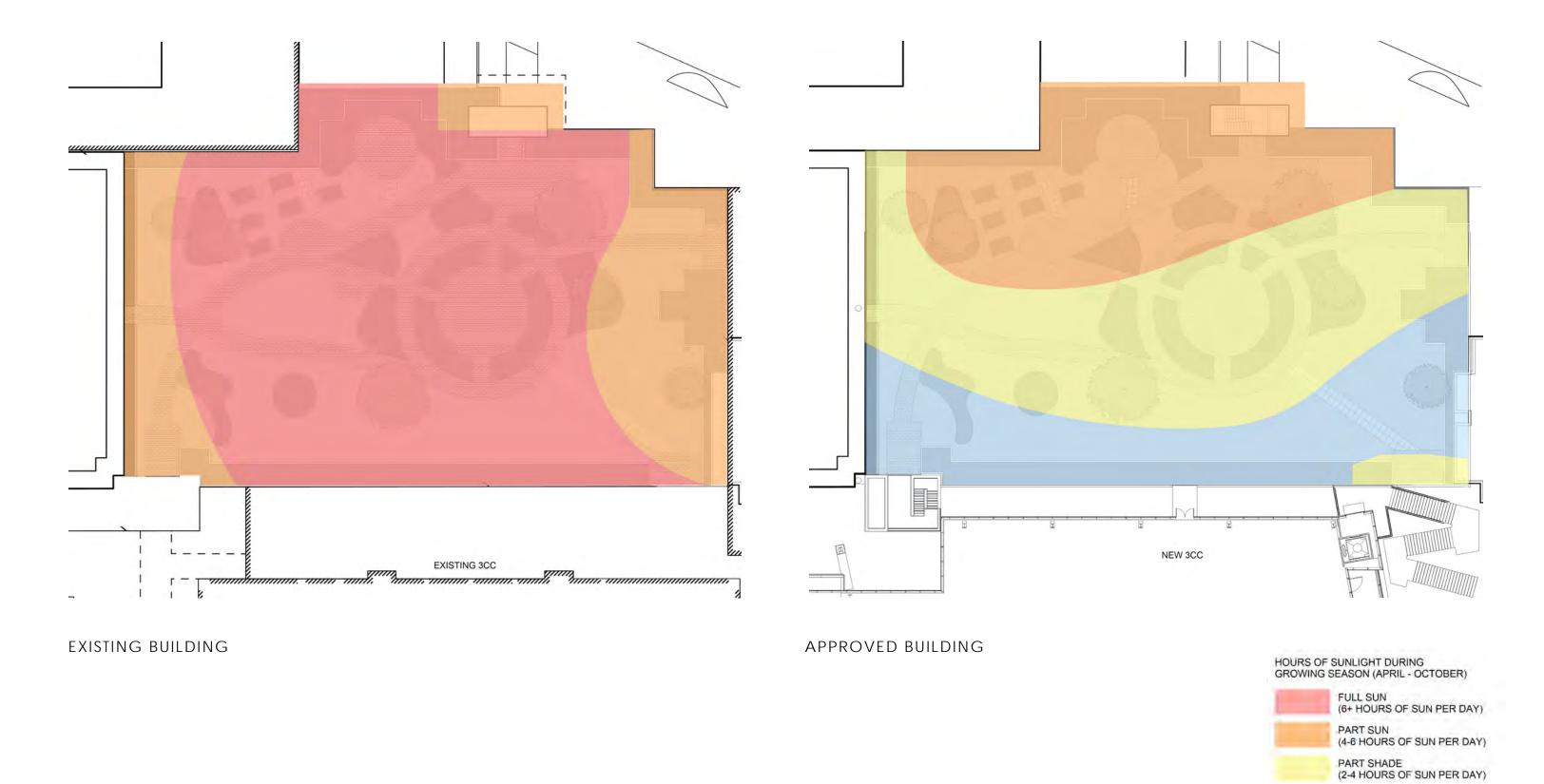
The table below aggregates the open-ended responses from Question 5. "What would you like to see from KSQ Parks in the future?", into categories. The top suggestions were to implement more programming, create greener open spaces, and to add more seating options and other park amenities.

Programming (outdoor fitness classes, beer garden, bike tune ups, more food trucks (8), music (8), farmers markets (3))	26
Better Seating & Tables	25
More trees/mature trees, plants and/or flowers, grass	23
Shade	16
Park amenities (climbing wall, trash receptacles, public restrooms, interactive kiosks, public chargers, pianos, public grills, configurable table meeting space, exercise equipment, chess tables, water features (4)	15
Transportation Features (bike racks, more blue bikes, protected bike lanes (6), better pedestrian/bike/auto coordination	12
More Open Spaces	11
Better park connectivity	10
Seclusion from congestion and noise	8
Resident oriented open spaces / kids friendly	6
Larger park / field space for athletics	5
Better maintenance/cleanliness	5
More art / space individuality	5
Ground floor activation through retail and restaurants	4
Better lighting / safer	4
Dog friendly	3
Better design	3
	3

KENDALL ROOF GARDEN CRA OPEN SPACE SURVEY 2018

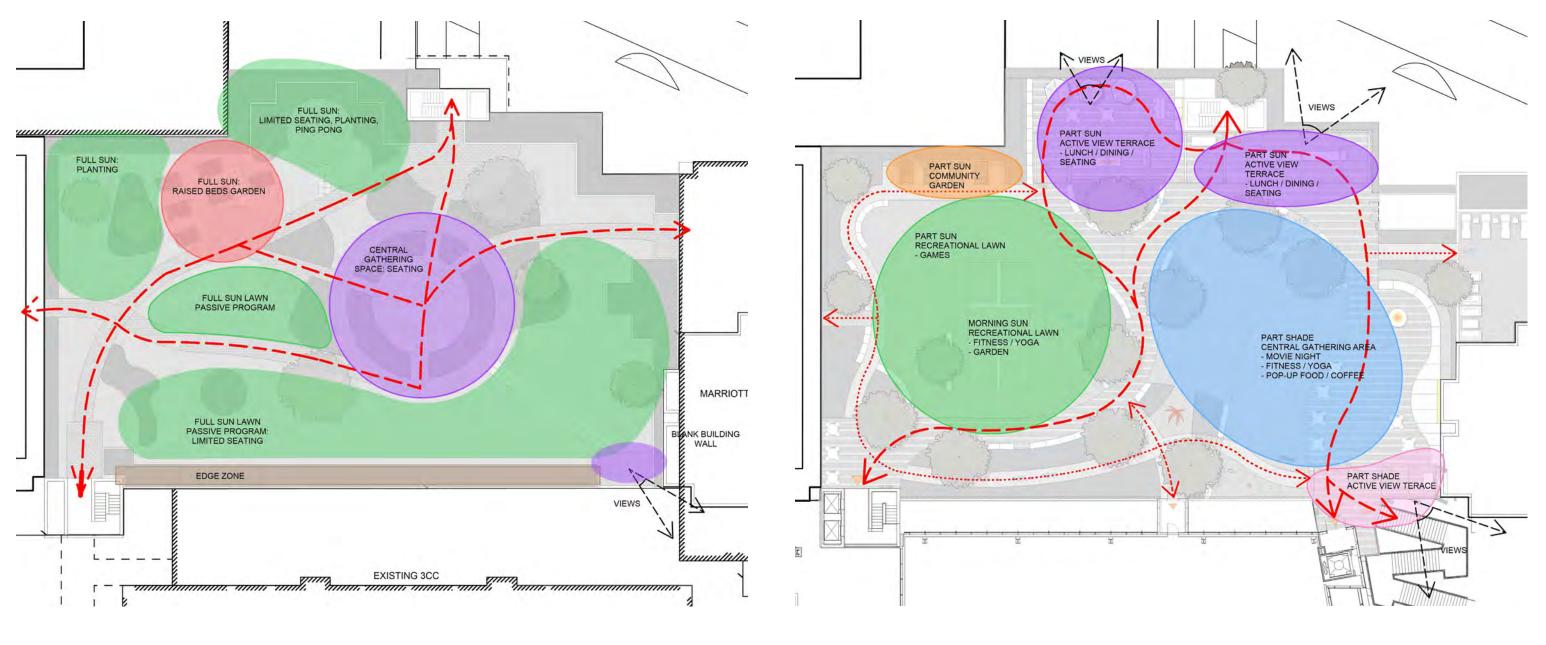


CRA APPROVED LANDSCAPE PLAN

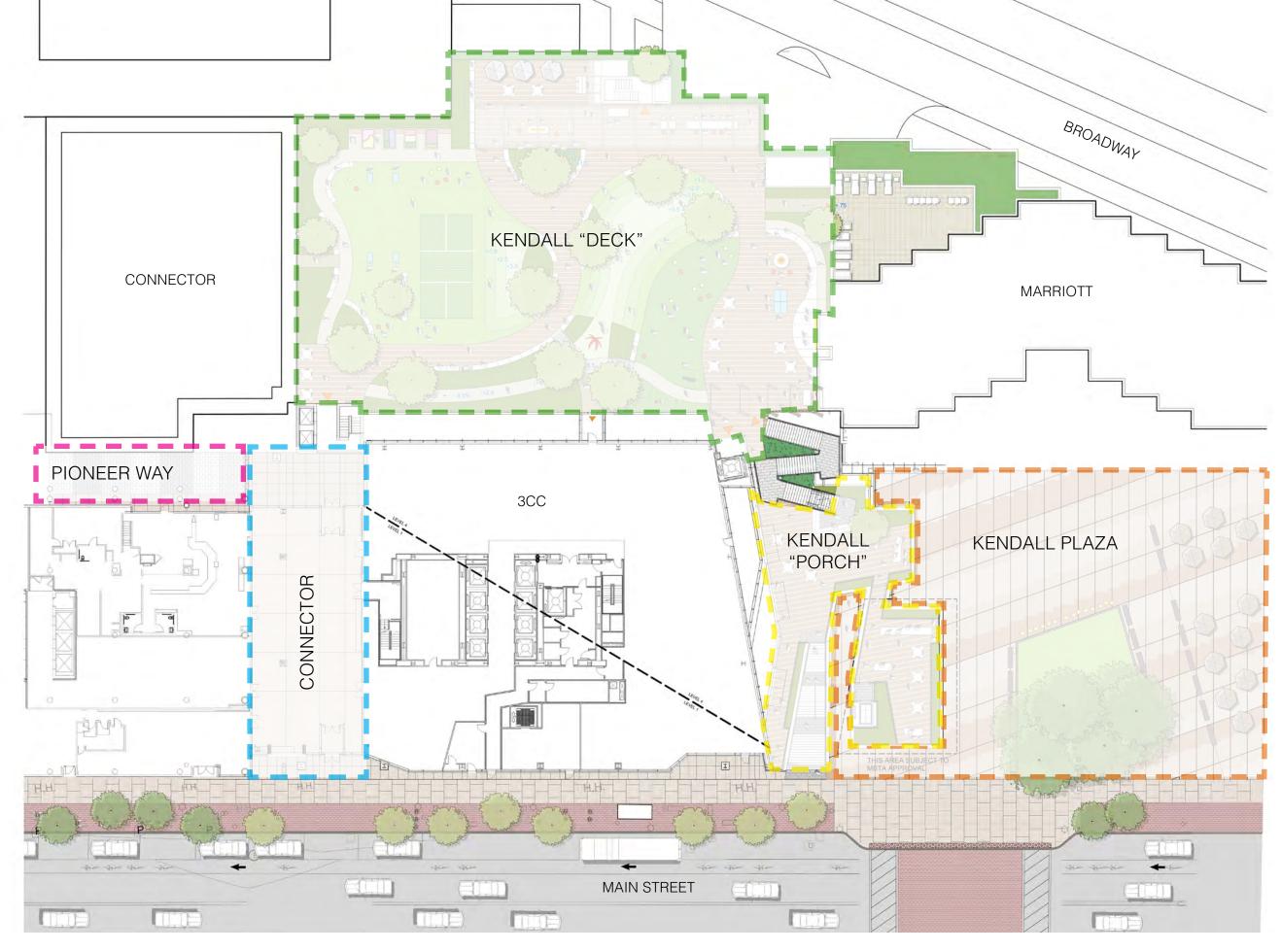


KENDALL ROOF GARDEN SUN SHADE DIAGRAMS

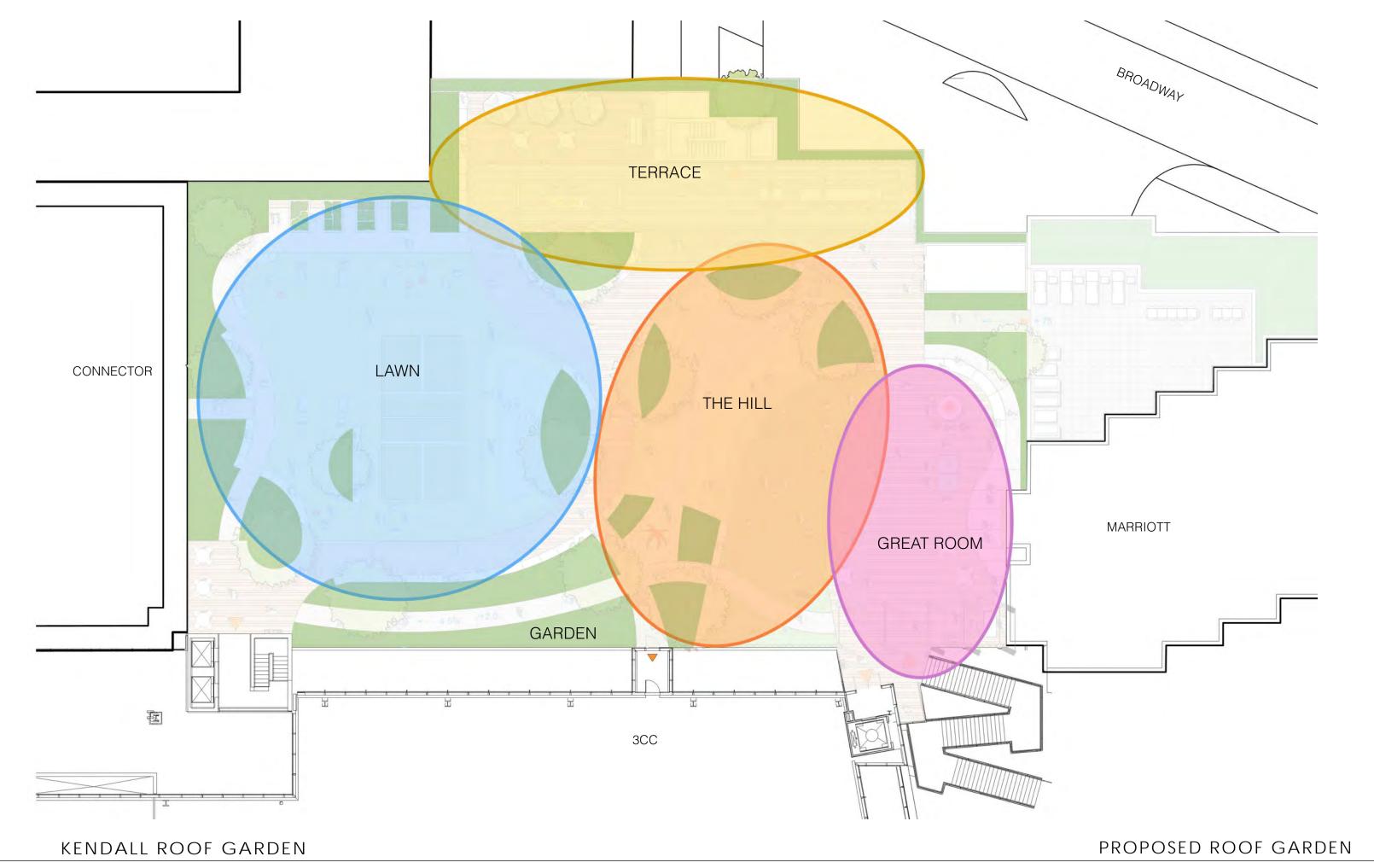
FULL SHADE (0-2 HOURS OF SUN PER DAY)



EXISTING PLAN PROPOSED PLAN









KENDALL ROOF GARDEN PROPOSED ROOF GARDEN PLAN



BIRD'S EYE VIEW FROM BROADWAY





VIEW FROM 3CC LOOKING DOWN









STROLL THROUGH THE GARDEN

































STROLL THROUGH THE GARDEN













JUNE 19, 2019

KENDALL ROOF GARDEN STROLL THROUGH THE GARDEN



BIRD'S EYE VIEW FROM BROADWAY









KENDALL ROOF GARDEN

PROGRAM STUDY - LUNCH TIME









KENDALL ROOF GARDEN

PROGRAM STUDY - FITNESS









PROGRAM STUDY - RECREATION









KENDALL ROOF GARDEN

PROGRAM STUDY - CHILDREN'S PLAY









KENDALL ROOF GARDEN

PROGRAM STUDY - MOVIE / GAME NIGHT









KENDALL ROOF GARDEN

PROGRAM STUDY - BEER GARDEN









PROGRAM STUDY - CELEBRATION









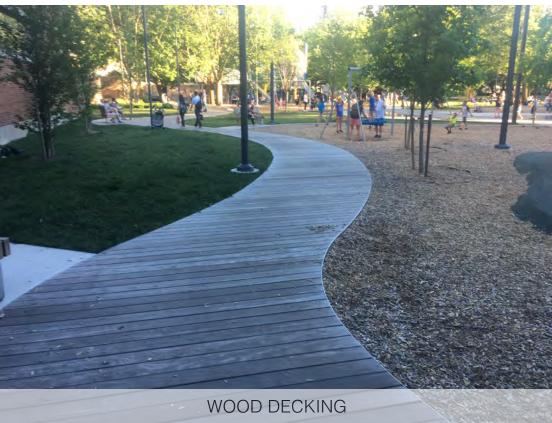
PROGRAM STUDY - PERFORMANCE

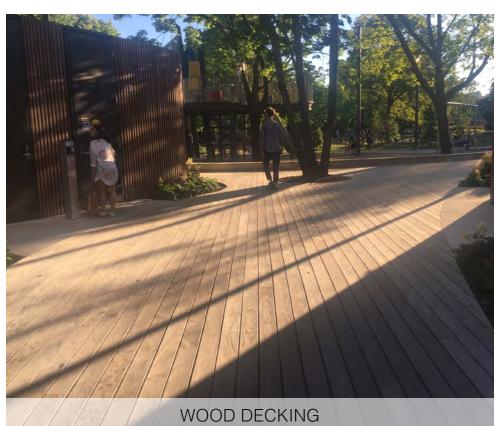














KENDALL ROOF GARDEN MATERIAL PRECEDENTS







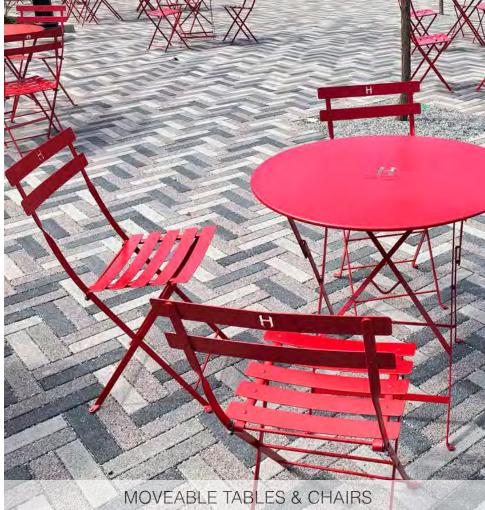






KENDALL ROOF GARDEN MATERIAL PRECEDENTS





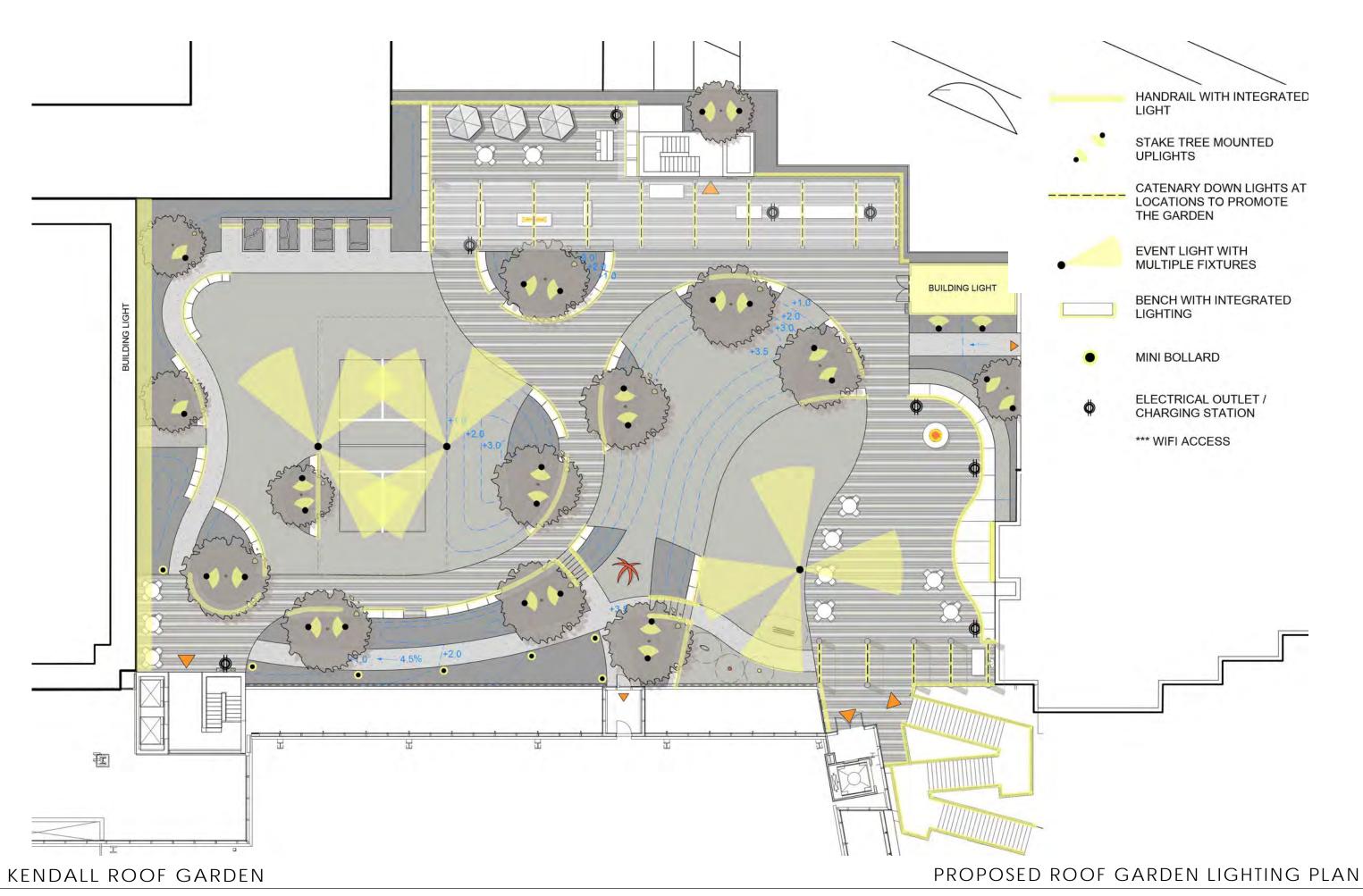


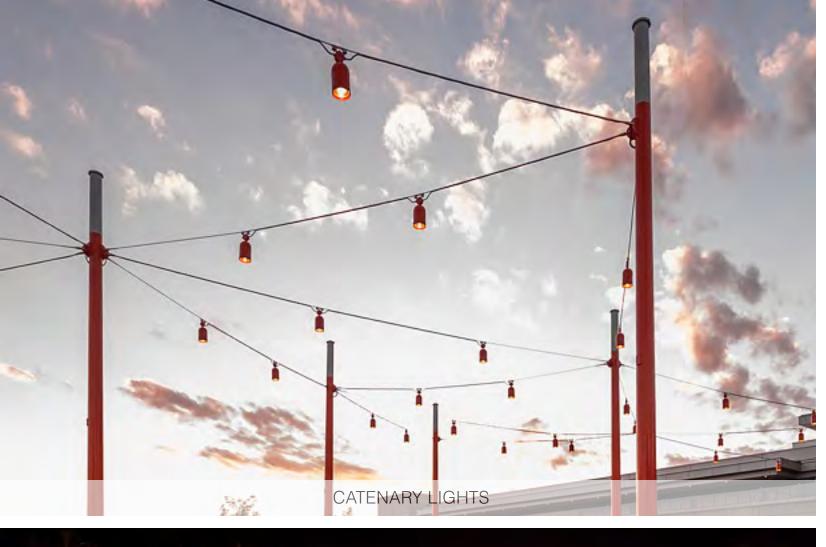






KENDALL ROOF GARDEN MATERIAL PRECEDENTS

















KENDALL ROOF GARDEN

LIGHTING PRECEDENTS

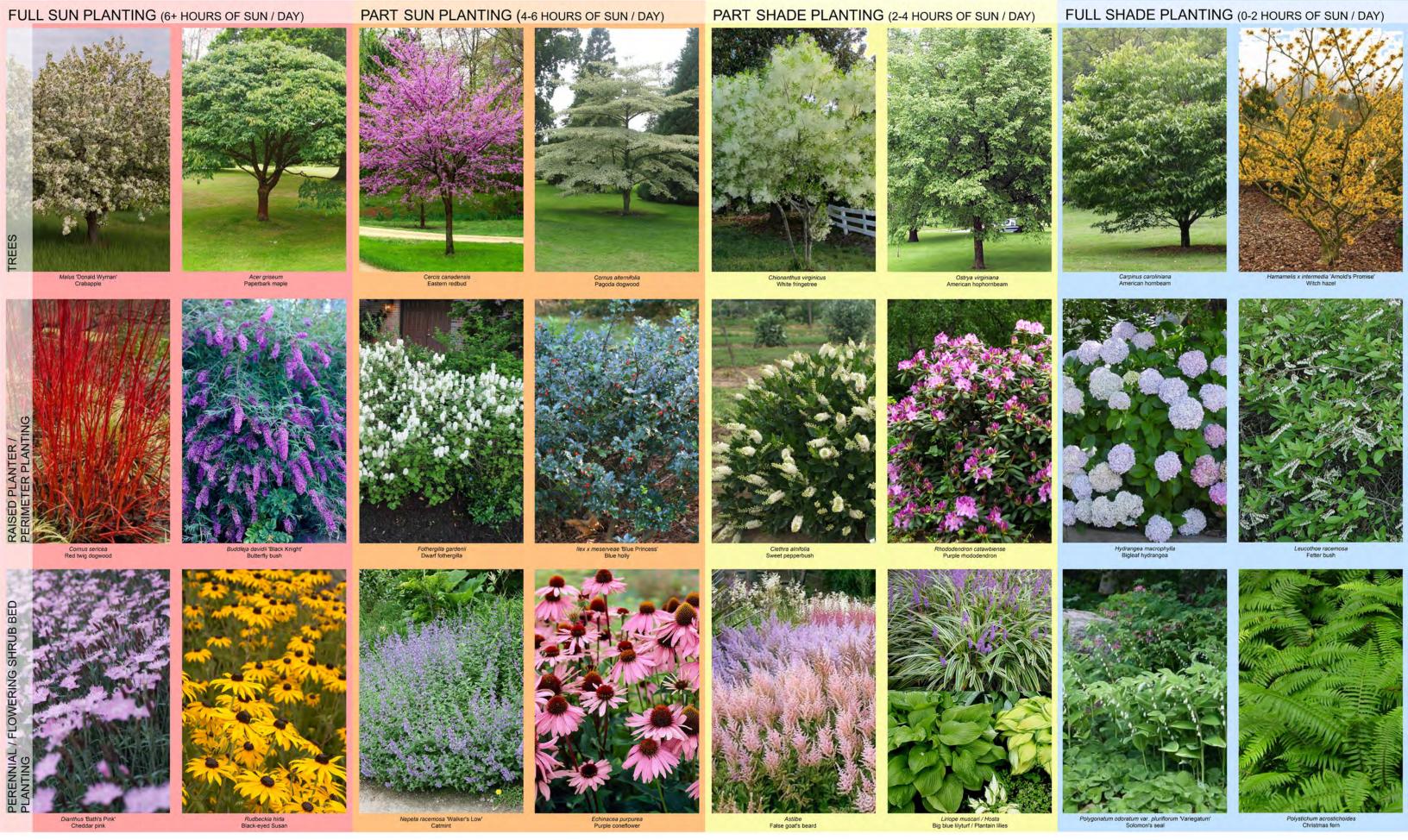
LEMON BROOKE

JUNE 19, 2019

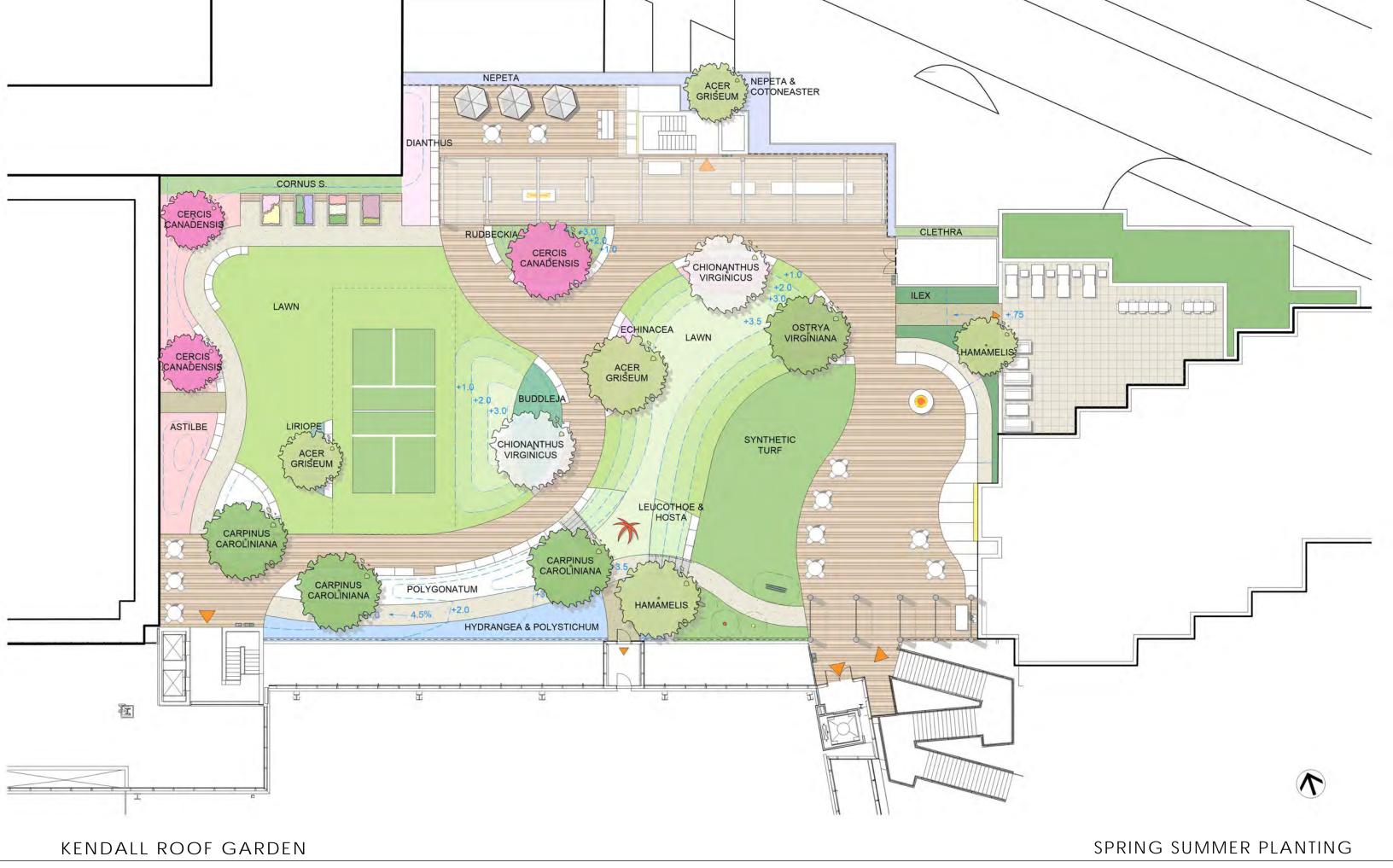


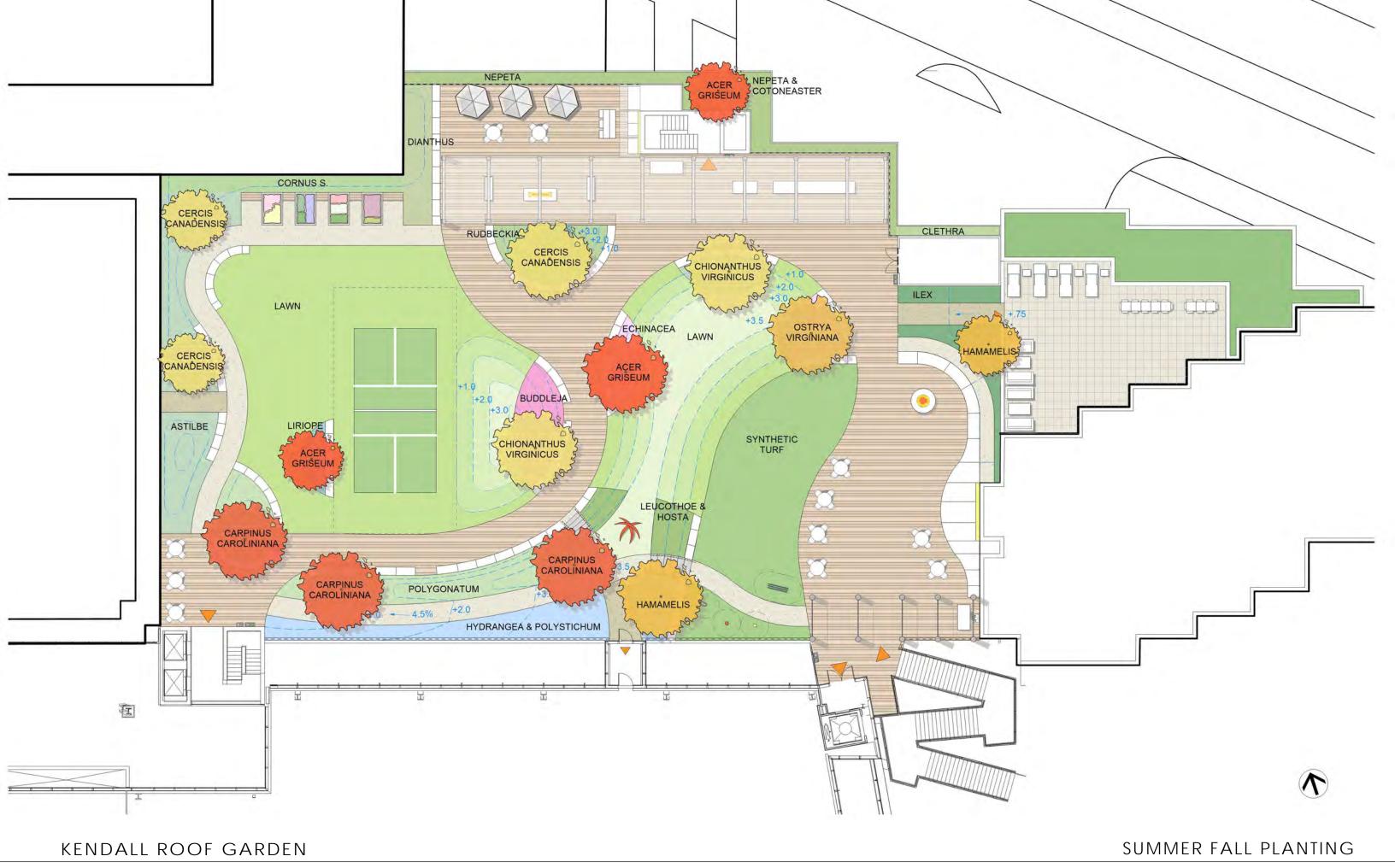
KENDALL ROOF GARDEN

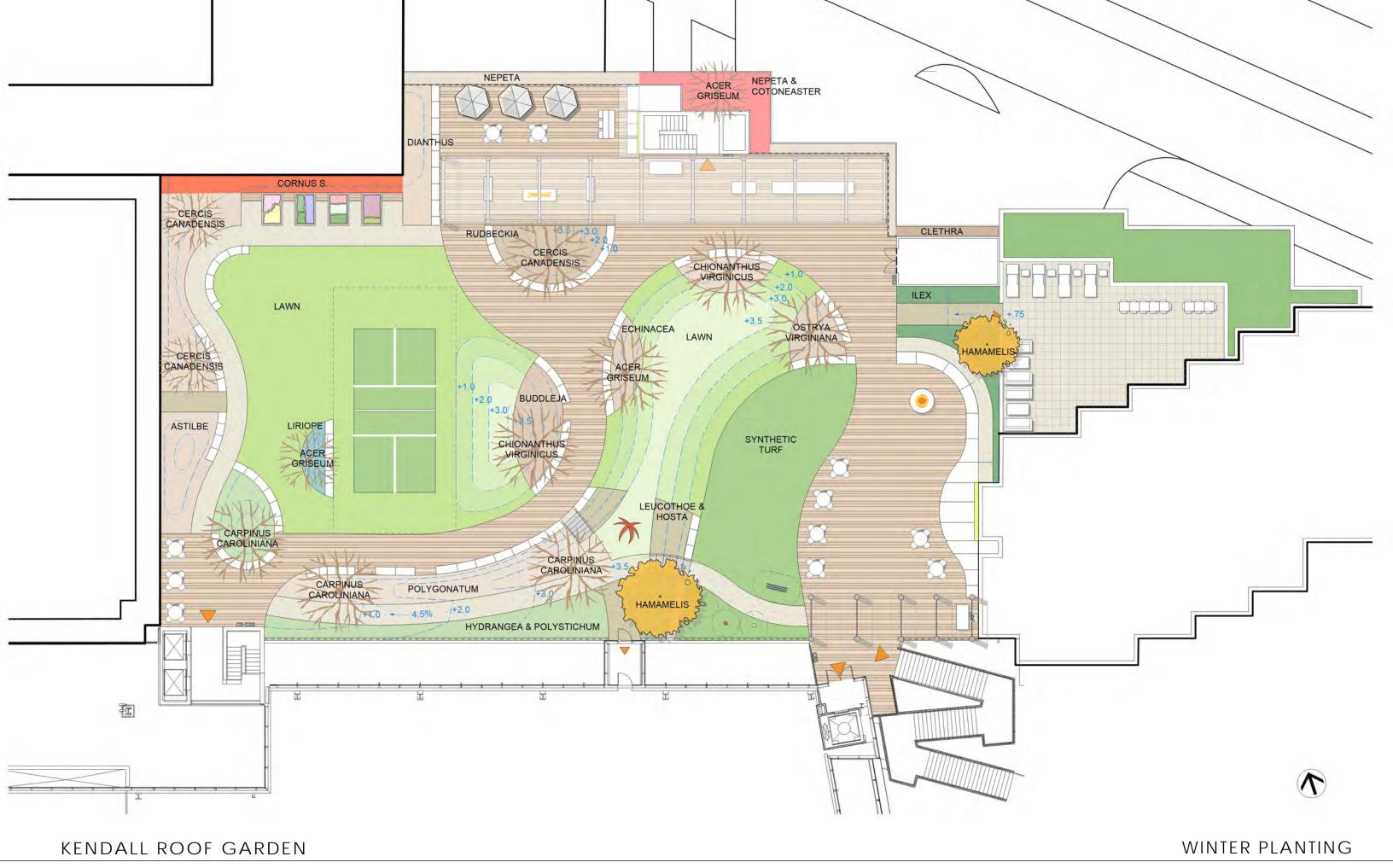
PLANTING DIAGRAM



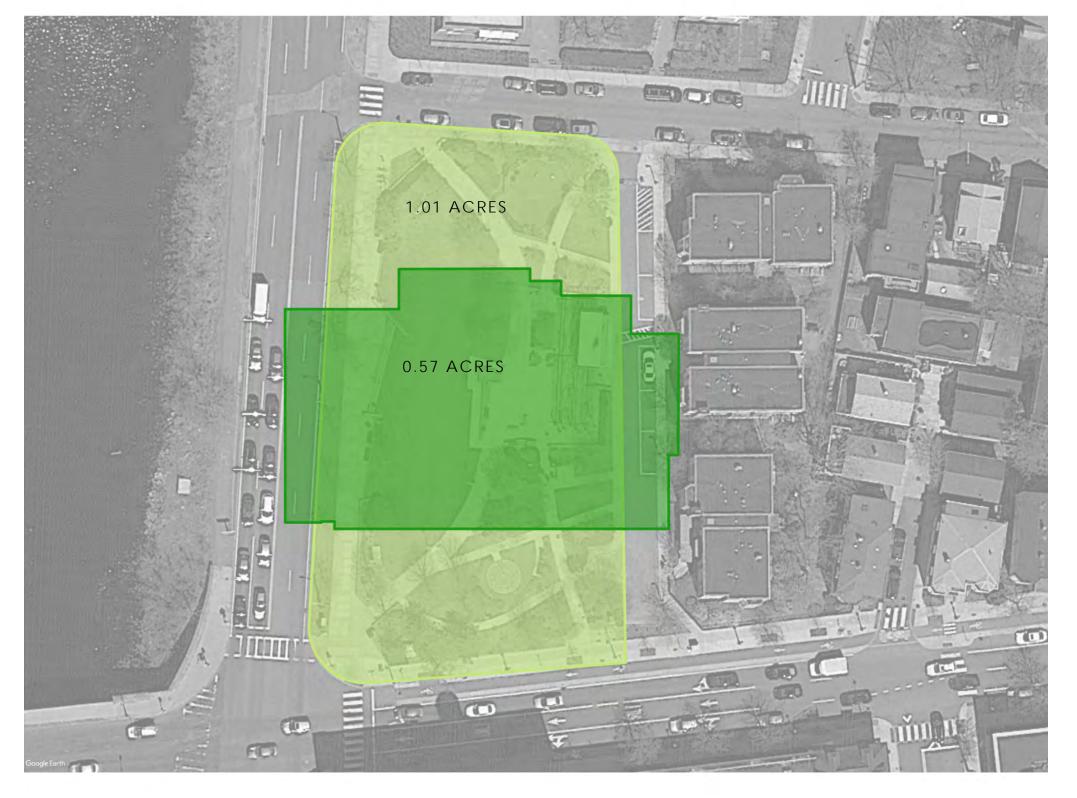
KENDALL ROOF GARDEN
PLANT PALETTE







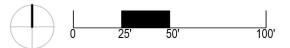
## APPENDIX







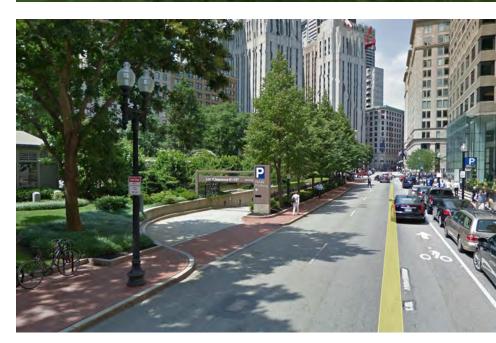












KENDALL ROOF GARDEN

SCALE COMPARISON - POST OFFICE SQUARE, BOSTON

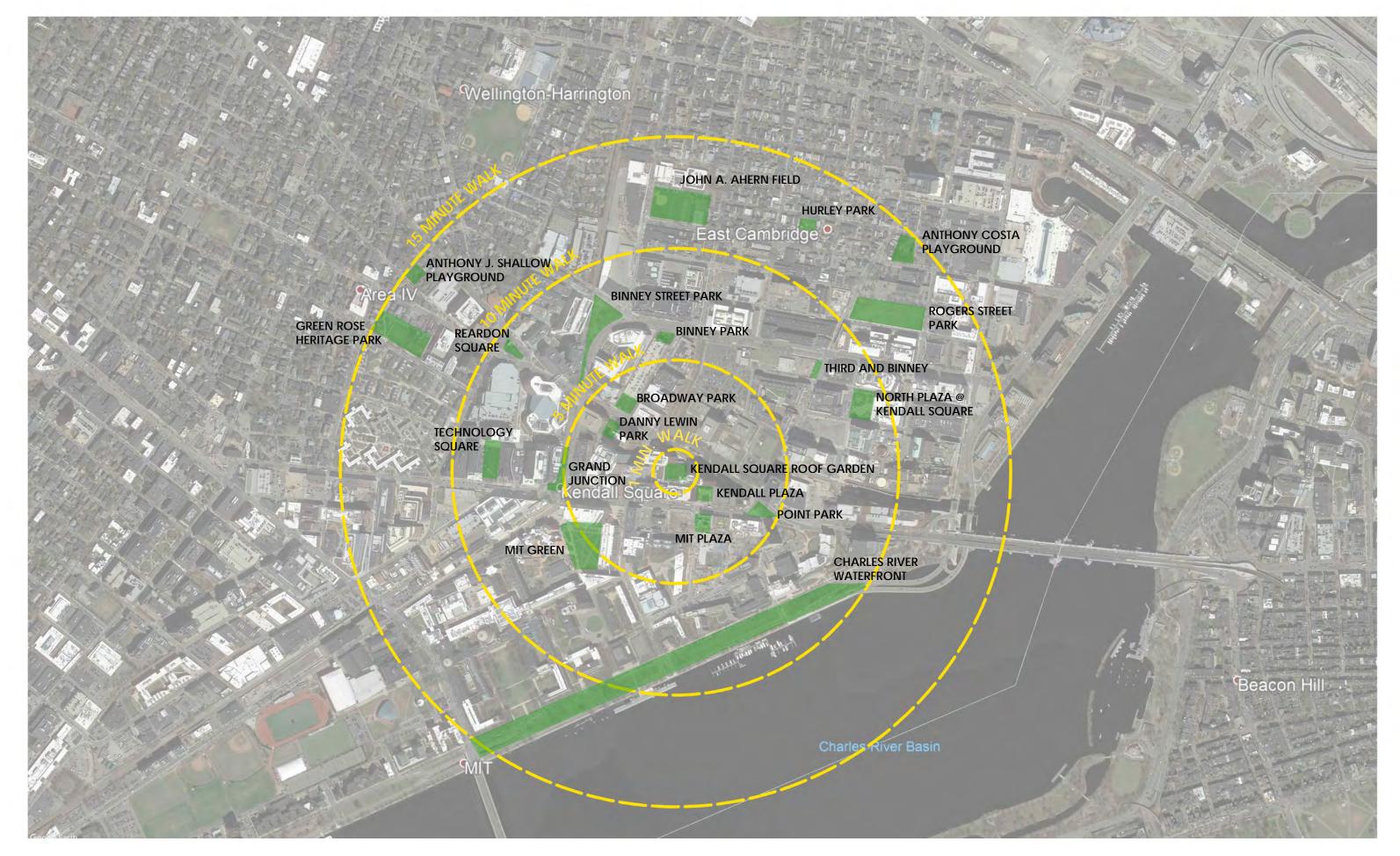


0.17 ACRES





## APPENDIX: OPEN SPACE STUDY

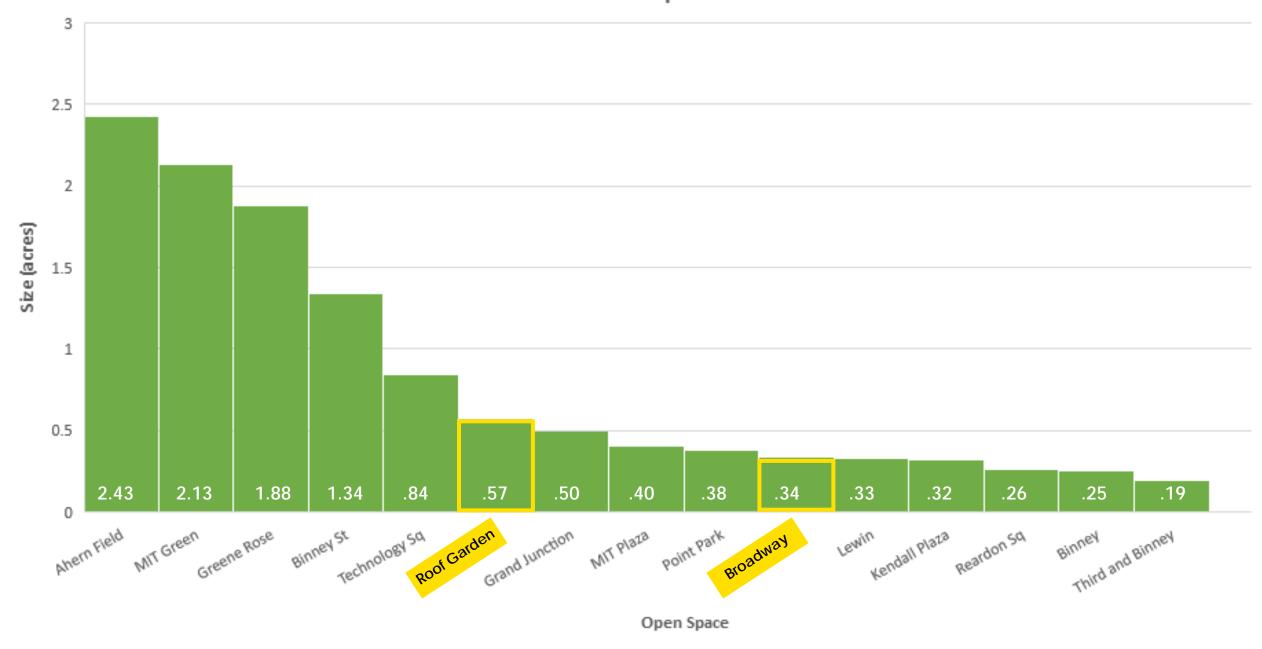


KENDALL ROOF GARDEN

KENDALL SQUARE OPEN SPACE

NAME	SIZE (ACRES)	OPEN SPACE TYPE / PROGRAM USES	ADJACENT USES	STREET TRAFFIC	DAY/NIGHT USE	
KENDALL SQUARE ROOF GARDEN	.57	PUBLIC ROOF GARDEN: PASSIVE, COMMUNITY GARDEN, SHADE, LAWN, SEATING	BUSINESS, COMMERICIAL, HOTEL, PARKING GARAGE, PLAZA, METRO STATION	NONE	DAY	1 MINUTE WALK
KENDALL PLAZA	.32	PUBLIC PLAZA: FARMER'S MARKET, DINING, PASSIVE, METRO, LAWN, SEATING, SOME SHADE	BUSINESS, COMMERICIAL, HOTEL, PARKING GARAGE, ROOF GARDEN, METRO STATION	MAIN STREET: HEAVY	DAY/NIGHT	T WING TE WALK
MIT PLAZA	.40	PRIVATE CAMPUS PLAZA: COMMUTE, PASSIVE, SEATING, ART, PINGPONG, FIREPIT	SCHOOL, INSTITUTIONAL, COMMERCIAL, BUSINESS, RESIDENTIAL, PLAZA, METRO	MAIN STREET: HEAVY	DAY/NIGHT	
POINT PARK	.38	URBAN OPEN SPACE: PASSIVE, COMMUTE, SOME SHADE, SEATING, GARDEN, MINIMAL LAWN, SCULPTURAL WATER FEATURE	INSTITUTIONAL, COMMERCIAL, BUSINESS, RESIDENTIAL	MAIN STREET: HEAVY BROADWAY: HEAVY THIRD ST: MODERATE/HEAVY	DAY/NIGHT	
DANNY LEWIN PARK	.33	URBAN OPEN SPACE: PASSIVE, SHADE, SEATING, GARDEN, LAWN	BUSINESS, COMMERCIAL, HOTEL, PARKING GARAGE, PARK	BROADWAY: HEAVY AMES PLACE: LIGHT	DAY	
BROADWAY PARK	.34	URBAN OPEN SPACE: PASSIVE, SHADE, SEATING, GARDEN, LAWN	BUSINESS, COMMERCIAL, RESIDENTIAL, PARKING GARAGE, PARK	BROADWAY: HEAVY EAST/WEST DRIVES: LIGHT	DAY/NIGHT	
MIT GREEN	2,13	PRIVATE CAMPUS GREEN: PASSIVE, SEATING, OPEN LAWN	SCHOOL, INSTITUTIONAL, COMMERCIAL, BUSINESS, RESIDENTIAL	NONE	DAY/NIGHT	5 MINUTE WALK
GRAND JUNCTION	.50	URBAN OPEN SPACE: COMMUTE, SHADE, SEATING, BIKE AND WALKING PATH	BUSINESS, COMMERCIAL, RESIDENTIAL, CAMPUS, INSTITUTIONAL	MAIN STREET: HEAVY GALILEO GALILEI WAY: HEAVY	DAY/NIGHT	
BINNEY PARK	.25	URBAN OPEN SPACE: PASSIVE, SHADE, SEATING, GARDEN, LAWN	BUSINESS, COMMERCIAL, RESIDENTIAL, PARKING GARAGE, PARK	BINNEY STREET: HEAVY GALILEO GALILEI WAY: HEAVY EAST/WEST DRIVES: LIGHT	DAY	
BINNEY STREET PARK	1.34	URBAN OPEN SPACE: PASSIVE, SHADE, SEATING, GARDEN, LAWN	BUSINESS, COMMERCIAL, RESIDENTIAL, PARKING GARAGE, PARK	BINNEY STREET: MODERATE/HEAVY GALILEO GALILEI WAY: HEAVY	DAY/NIGHT	
THIRD AND BINNEY	.19	URBAN OPEN SPACE: PASSIVE, COMMUTE, SHADE STRUCTURE, SEATING AND TABLES, COMMUNITY GARDEN, HUB BIKES	INSTITUTIONAL, COMMERCIAL, BUSINESS, RESIDENTIAL	THIRD ST: HEAVY BINNEY: HEAVY MUNROE ST: MODERATE	DAY/NIGHT	
NORTH PLAZA @ KENDALL SQUARE	.22	PUBLIC PLAZA: PARK, DINING SEATING, PASSIVE, ICE SKATING, SMALL LAWN, OPEN	COMMERCIAL, BUSINESS, RESIDENTIAL	LINSKEY WAY: MODERATE/HEAVY ATHENAEUM ST: MODERATE W/E KENDALL ST: LIGHT	DAY/NIGHT	
ECHNOLOGY SQUARE	.84	URBAN OPEN SPACE: PASSIVE, SOME SHADE, SEATING, GARDEN, LAWN	INSTITUTIONAL, COMMERCIAL, BUSINESS, RESIDENTIAL	MAIN STREET: HEAVY	DAY/NIGHT	
REARDON SQUARE	.26	PUBLIC PLAZA: PASSIVE, SEATING, LAWN, SOME SHADE	COMMERCIAL, BUSINESS, INSTITUTIONAL, PARKING GARAGE, RESIDENTIAL	BROADWAY: HEAVY HAMPSHIRE STREET: HEAVY	DAY/NIGHT	
CHARLES RIVER WATERFRONT	11.44	REGIONAL PARK: WATERFRONT, WALKING/BIKING PATHS, PASSIVE, SEATING, SHADE	CHARLES RIVER, MIT CAMPUS, COMMERCIAL	MEMORIAL DRIVE: HEAVY	DAY/NIGHT	Al analesia v
ROGERS STREET PARK	2.33	* NEIGHBORHOOD PARK: RECREATION (OPEN FIELD), DOG PARK, SEATING	BUSINESS, COMMERCIAL, RESIDENTIAL	THIRD STREET: MODERATE ROGERS ST: LIGHT/MODERATE	DAY	10 MINUTE WAL
IOHN A AHERN FIELD	2.43	CITY PARK: RECREATION/SPORTS (PLAYGROUND, WATER PLAY, BASKETBALL, SOFTBALL, SOCCER, STREET HOCKEY), SEATING	RESIDENTIAL, SCHOOL, INSTITUTIONAL	FULKERSON ST: MODERATE CHARLES ST: MODERATE	DAY	
HURLEY PARK	.26	NEIGHBORHOOD PARK: RECREATION (PLAYGROUND AND WATER PLAY), COMMUNITY GARDEN, SEATING	RESIDENTIAL	HURLEY STREET: MODERATE	DAY	
GREEN ROSE HERITAGE PARK	1.88	* CITY PARK: RECREATION/SPORTS (PLAYGROUND, WATER PLAY, TENNIS, OPEN LAWN), COMMUNITY GARDEN, SEATING	RESIDENTIAL, COMMERCIAL, SCHOOL, BUSINESS	HARVARD STREET: MODERATE DICKINSON STREET: LIGHT MOORE STREET: LIGHT	DAY/NIGHT	
INTHONY COSTA LAYGROUND	.72	NEIGHBORHOOD PARK: RECREATION (PLAYGROUND, BASKETBALL), COMMUNITY GARDEN, SEATING, SHADE	RESIDENTIAL, BUSINESS, COMMERCIAL	HURLEY STREET: MODERATE LOPEZ AVENUE: LIGHT CHARLES STREET: MODERATE	DAY	
ARTHUR J. SHALLOW PLAYGROUND / MARKET	.31	NEIGHBORHOOD PARK: RECREATION (PLAYGROUND), SHADE, SEATING	RESIDENTIAL, BUSINESS	MARKET STREET: MODERATE/LIGHT BRISTOL STREET: LIGHT CROSSLAND STREET: LIGHT	DAY	

## Scale Comparison



1. MOST OF THE PARKS WITHIN A 10 MINUTE WALK ARE PASSIVE / LEAFY GREEN GARDEN OPEN SPACES. THEREFORE, THE ROOF GARDEN SHOULD INCLUDE MORE ACTIVE PROGRAMMING AND AMENITIES.
2. WITHIN A 10 MINUTE WALK, ONLY A FEW PARKS PROVIDE AN ACTIVE LAWN SPACE. THEREFORE, THE ROOF GARDEN WOULD BENEFIT FROM A PROGRAMED LAWN AMENITY.
3. WITH THE HIGH VOLUME OF WORKERS IN THE NEW 3CC BUILDING AND RESIDENTS IN THE UPCOMING TOWER, THE ROOF GARDEN SHOULD PROVIDE AN AMPLE AMOUNT OF SEATING AND COMMUNITY TABLES.
4. THE KENDALL ROOF GARDEN IS A ONE-OF-A-KIND OPEN SPACE IN CAMBRIDGE THAT PROVIDES AN "ESCAPE" FROM THE SURROUNDING URBAN ENVIRONMENT. FOR THIS REASON, THE NEW ROOF GARDEN SHOULD REMAIN AS A GARDEN OASIS.
5. UNLIKE THE OTHER OPEN SPACES IN KENDALL SQUARE, THE ROOF GARDEN IS A HIDDEN GEM THAT MANY PEOPLE DO NOT KNOW ABOUT. THE NEW ROOF GARDEN SHOULD INCREASE ACCESS FOR THE COMMUNITY AND MAKE EVERYONE FEEL WELCOME.
6. KENDALL SQUARE IS ONE OF THE MOST INNOVATIVE LOCATIONS IN THE REGION. ART & TECHNOLOGY SHOULD BE CELEBRATED IN THE NEW ROOF GARDEN.
7. KENDALL SQUARE LACKS CONSISTENT AND PROGRAMED OUTDOOR ACTIVITIES AFTER 6 PM. PROVIDING <b>ORGANIZED EVENTS AND LIGHTING</b> WILL HELP ACTIVATE THE PARK AFTER DARK.