AIR POLLUTION CONTROL COMMISSION PUBLIC HEARING

October 19, 2022

This public hearing will include opportunity for public comment. During public comment periods, members of the public may submit any comments or questions by "raising their hand" or by typing in the chat box.

AIR POLLUTION CONTROL COMMISSION





Bradley Gerratt Transportation

Department



Alison Brizius

Environment Department



Julien Farland

Boston Public Health Commission



Eric Burkman

Commissioner At-Large



Russell Preston

Commissioner At-Large



Irmak Turan

Commissioner At-Large

CITY OF BOSTON STAFF







Kat Eshel

Environment Department

Hannah Payne

Environment Department Parking Freeze Permit Applications

Continued to an upcoming hearing

CONTINUED TO AN UPCOMING HEARING

Continued: Application for a Modified East Boston Parking Freeze Permit from VHB on behalf of Cargo Ventures LLC for 575 park and fly spaces. This permit is to relocate spaces from a surface lot at 320 McClellan Highway to a new parking garage at 440 McClellan Highway. Modification of the permit would have no effect on the East Boston parking freeze bank.

Continued: Application for a Modified East Boston Parking Freeze Permit from VHB on behalf of Cargo Ventures LLC for 127 park and fly spaces. This permit is to relocate spaces from a surface lot at 380 McClellan Highway to a new parking garage at 440 McClellan Highway. Modification of the permit would have no effect on the East Boston parking freeze bank.

15 N Anderson St & 261 Cambridge Street (MGH Clinical Building)

Modified Downtown Parking Freeze Exemption Certification

This public hearing will include opportunity for public comment. During public comment periods, members of the public may submit any comments or questions by "raising their hand" or by typing in the chat box.





MGH Cambridge Street Project

Project Overview





Massachusetts General Hospital

Mission: Guided by the needs of our patients and their families, we aim to deliver the very best health care in a safe, compassionate environment; to advance that care through innovative research and education; and to improve the health and well-being of the diverse communities we serve.

- Founded in 1811, The Massachusetts General Hospital is the third oldest general hospital in the United States
 - It is the oldest and largest in New England.
 - It is the oldest and largest teaching hospital of Harvard Medical School.
- MGH has a direct workforce of approximately 27,000 employees and is the largest non-governmental employer in the City of Boston.
 - 24 percent of the MGH workforce are Boston residents
 - MGH's annual payroll for Boston residents is approximately \$430 million
- MGH expends more than \$240 million annually on goods and services from firms within the City of Boston.
- MGH and Brigham and Women's Hospital became the founding members of Partners HealthCare, now known as Mass General Brigham
- Mass General Brigham is the highest contributor to the City of Boston's PILOT program with over \$22 million
 - MGH commitments account for over \$14 million of this amount, \$7 million in cash contribution and \$7 million in community benefits.

MGH - Project Overview		
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DATE: 2022.7.13

nbbi

Why is a new building needed?

- Relieve capacity constraints in beds and the emergency department
- Increase the percentage of private rooms. *Currently 38% are private rooms*.
- Facilitate replacement of obsolete parking structures and use of White and Bigelow buildings for inpatient care, where 1/3 of our inpatient beds are in buildings 79 and 53 years old respectively



Existing Campus Condition

Proposed CSP

Process identified combined site as the most efficient path to near campus development for beds and parking with needed connectivity for advancing high acuity program

- Maximizes development potential on a site not already substantially developed for patient care uses
- · Large footprint for flexibility and efficiency

nbbi

Clinical Building: Schematic Cross Section

Clinical

- 482 Inpatient Beds
 - · 64 ICU and 418 Med/Surg
- 14 Imaging Modalities
- 24 Procedure Rooms + 3 Small Procedure
- 120 Exam Rooms + 100 Infusion Bays

Support Services

- Full Service Departments: Kitchen, Pharmacy, SPD
- Satellites: Core Lab, Blood Bank, OR Satellite Pharmacy, Oncology Pharmacy, Cyclotron

Public Services + Parking

- MBTA Head house
- 864 Parking Spaces / Net New = 222
- 1,031 Campus Bicycle Parking Spaces / Net New = 566 spaces
- Lobby, Welcome Center, Family and Visitor Resources
- N. Anderson St. Arcade
- Conference Center
- Meditation Space
- Roof Garden
- Cafeteria and Cafes

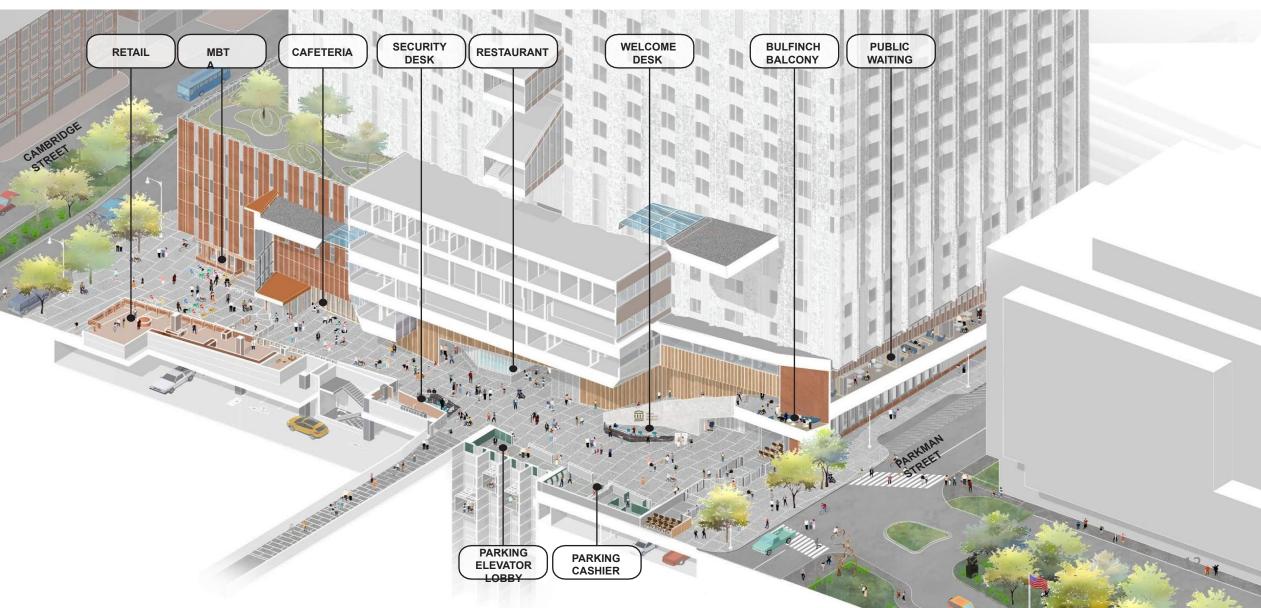
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DATE: 2022.7.13

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MASSACHUSETTS GENERAL HOSPITAL

N. Anderson St. Arcade

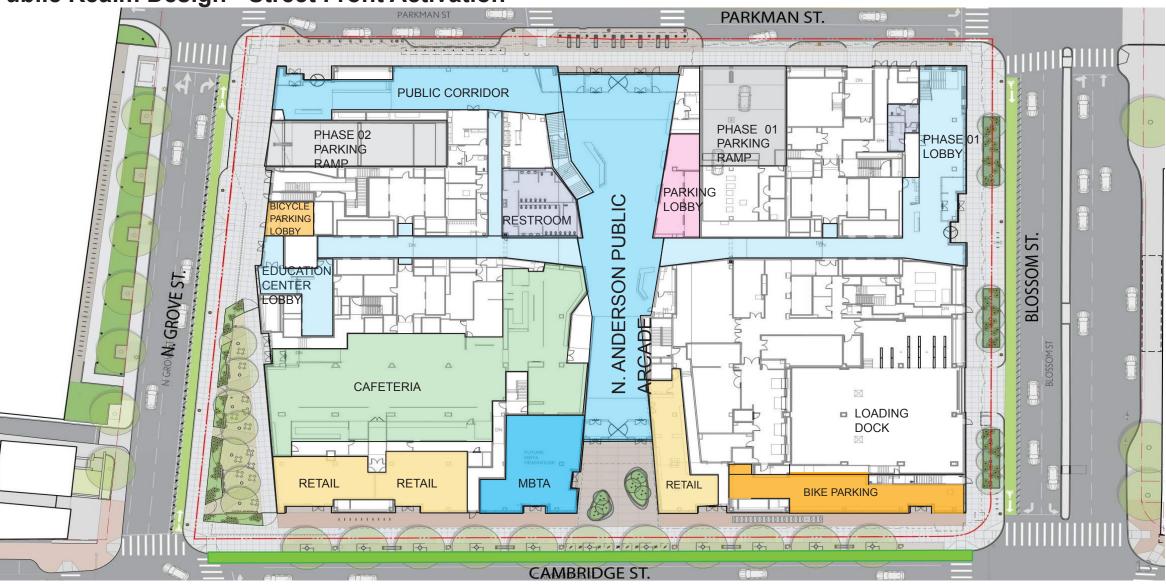


DATE: 2022.7.13

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MASSACHUSETTS GENERAL HOSPITAL

Public Realm Design - Street Front Activation



MGH - Project Overview	date: 2022.7.13	nb bj	MASSACHUSETTS GENERAL HOSPITAL

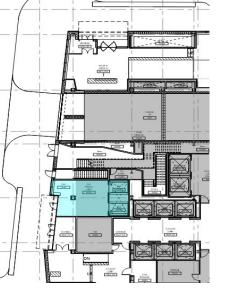
Integrated Bike Parking

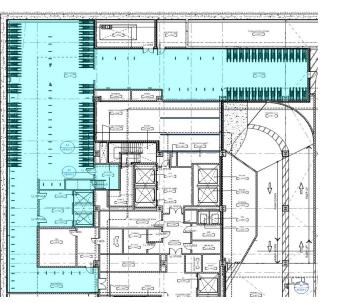


Bike Parking Vestibule off N. Grove St.

Level 01 Bike Parking Vestibule

LL1 Bike Parking

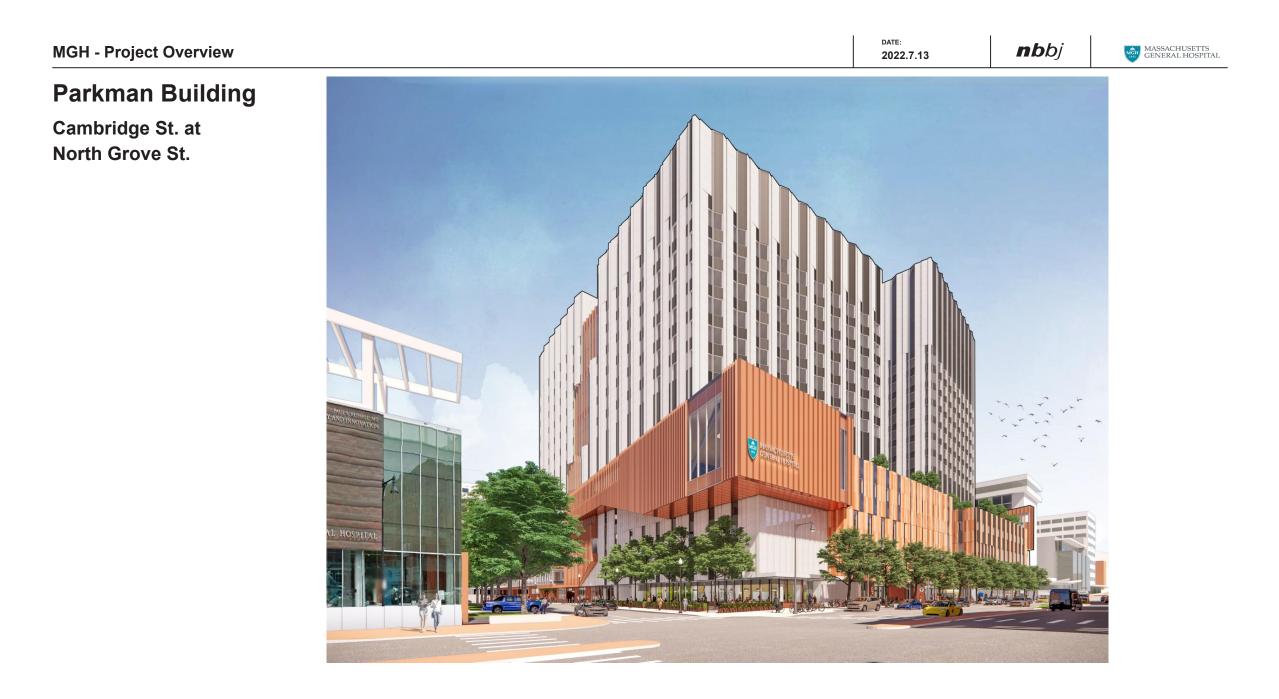




MASSACHUSETTS GENERAL HOSPITAL

PROPOSED CAMPUS BIKE PARKING





MGH - Project Overview	DATE: 2022.7.13	nb bj	MASSACHUSETTS GENERAL HOSPITAL



N. Anderson St Arcade Entrance

Cambridge Street



DATE:

2022.04.21

2022.7.13

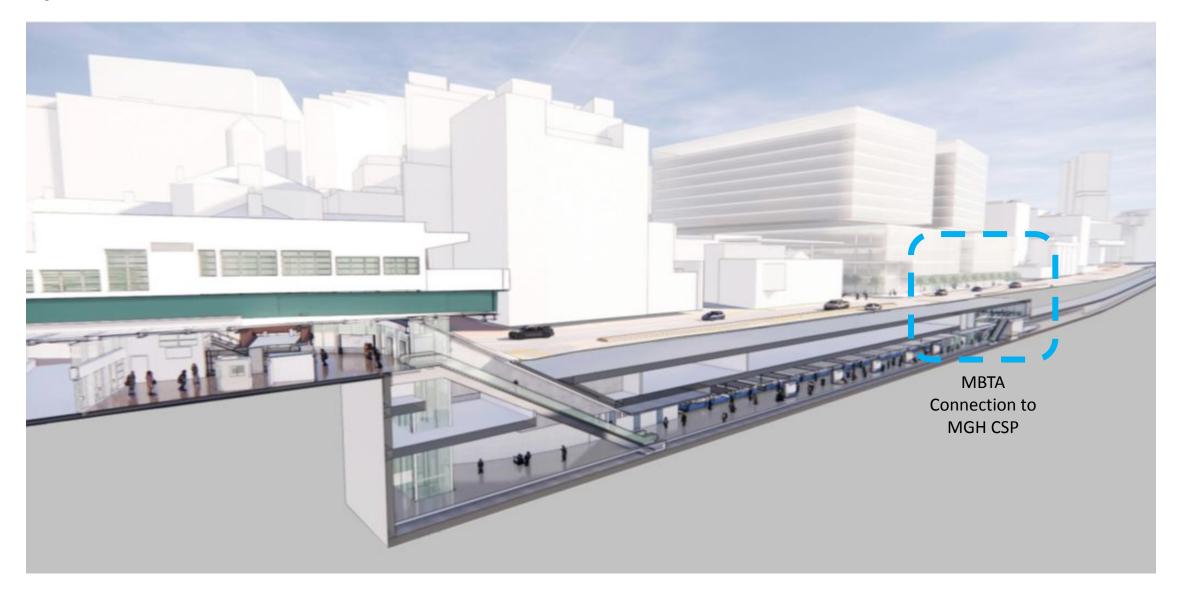
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MASSACHUSETTS GENERAL HOSPITAL

MGH - Project Overview	DATE: 2022.7.13	nb bj	MASSACHUSETTS GENERAL HOSPITAL
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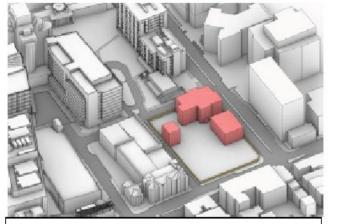
Proposed MBTA Station



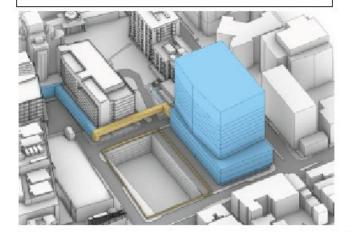
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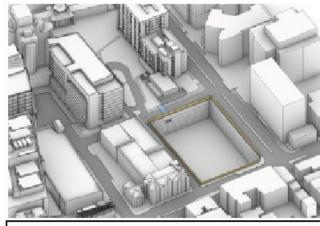
Project Sequencing Diagrams



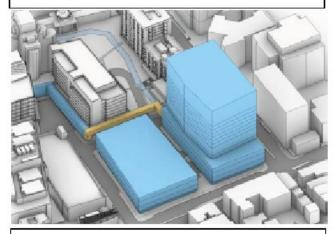
1. Demo Existing Phase 1 4B Buildings Summer 2022



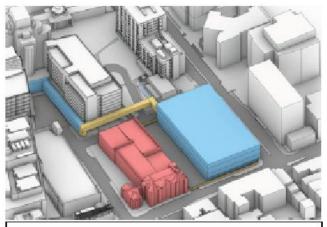
4. Build Phase 1 4B Tower/ Phase 2 Parkman Underground Garage Summer 2026 - Summer 2027



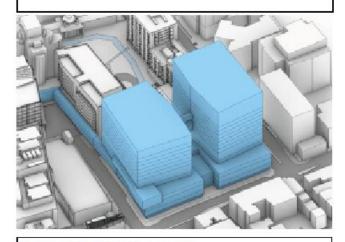
2. Build Phase 1 4B Underground Garage/Up-Down Construction Winter 2023 - Summer 2026



5. TCO Phase 14B Tower, Bridge, and Tunnel Summer 2027



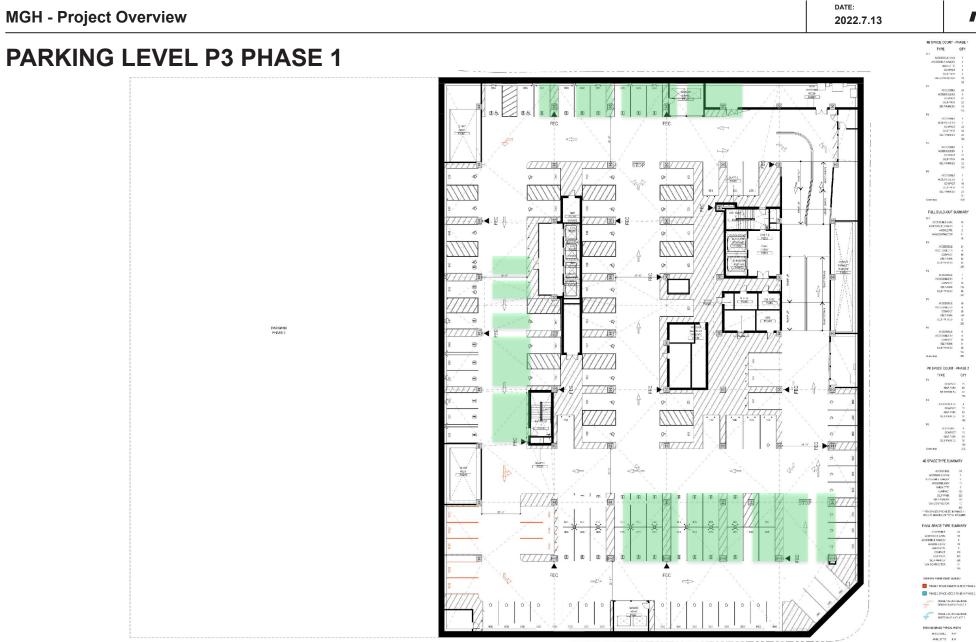
3. TCO Phase 1 4B Underground Garage/ Demo Parkman Garage Summer 2026



6. Final CSP C of O (Phase 1 & 2) Summer 2030

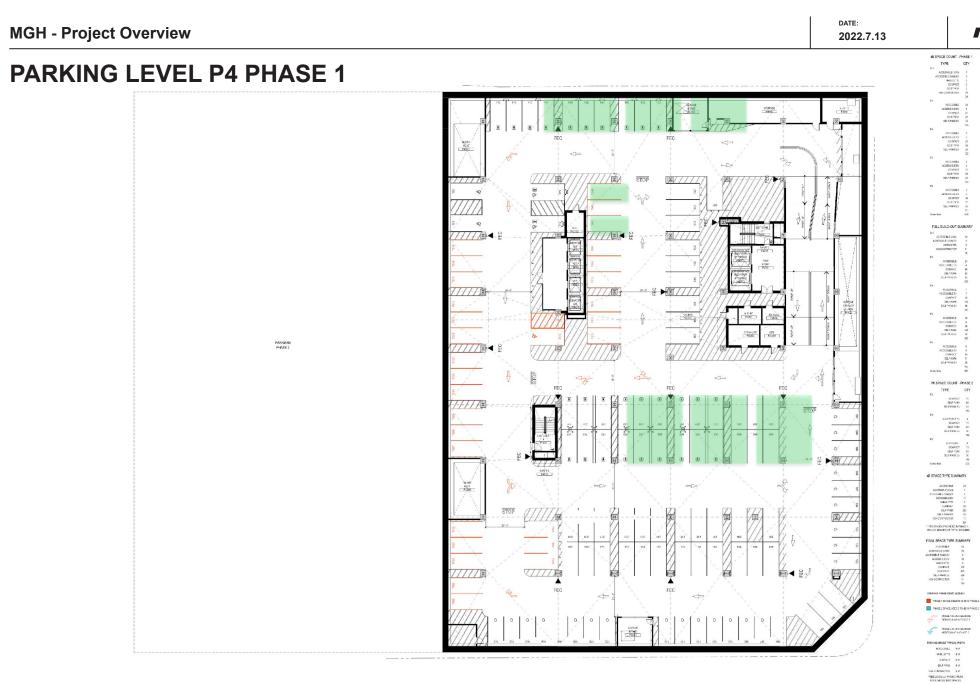


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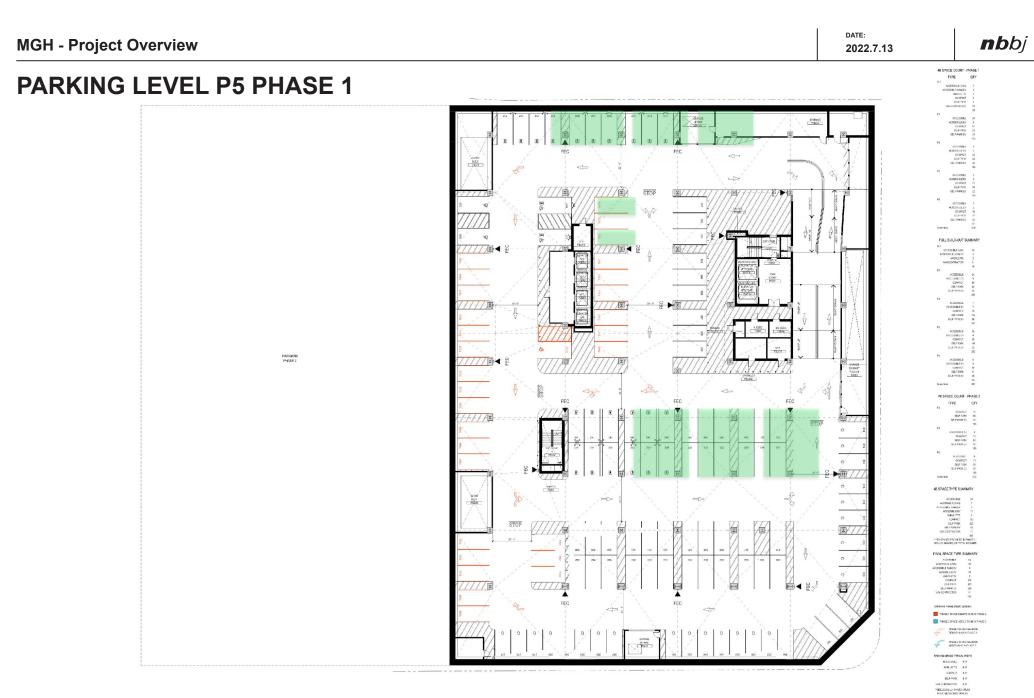


MASSACHUSETTS GENERAL HOSPITAL

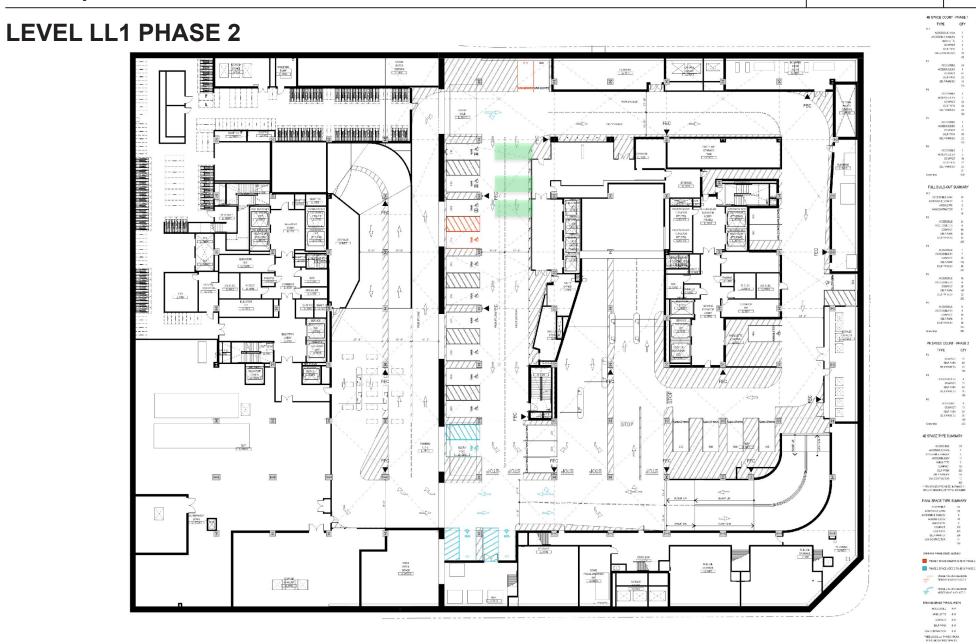
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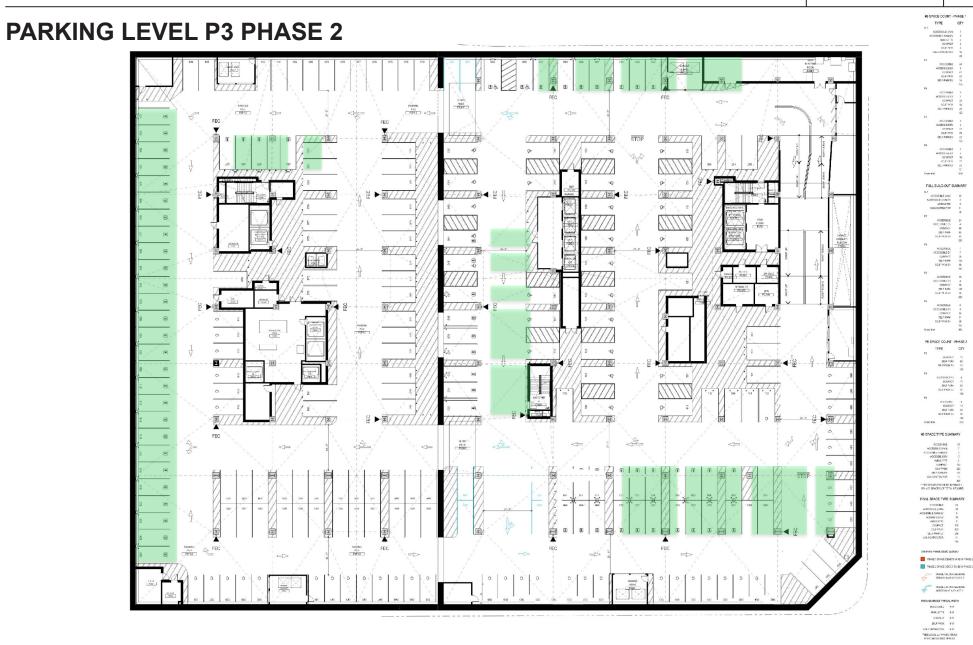
ADDITEDING CONPACT DELF-922K DELF-PARK SV

ACCESSING 9-P AVBLETTE 8-P

QT

QTY

CERSIELE EV COMPACT SELF-PLAK ELF-FWAR EV



• 	
PARKING LEVEL P4 PHASE 2	
	Vorgensen



QTY

CCESSIBLE EV CCMPNOT SELF-PUCK EV



48 SPACE COUNT - PHASE 1

TYPE GTY

4-033061,3766 / 2 4-03607 / 2 4-0607 / 2

FULL BUILD-OUT SUMMARY

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PK SPACE COUNT - PHASE 2

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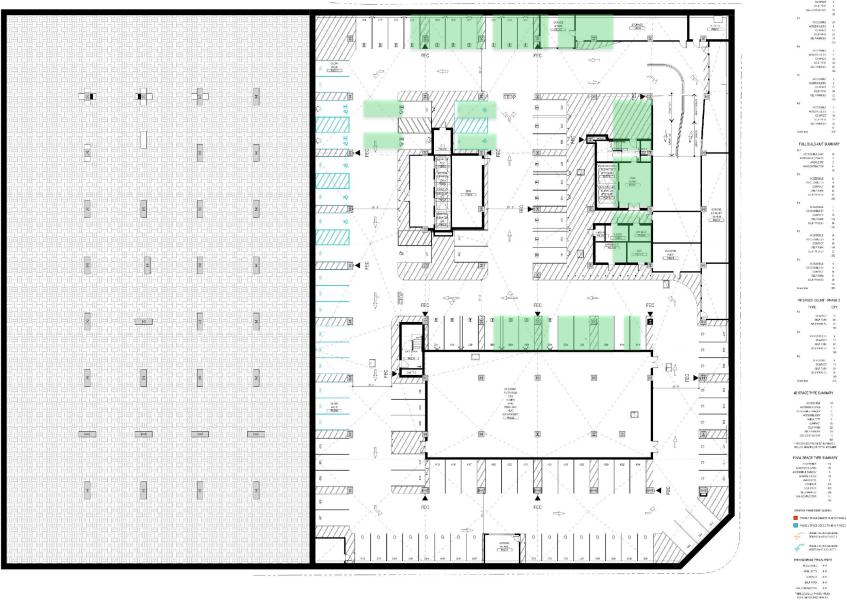
COMPACT SELF-FX8X.52 SELF-FX8X.52

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TYPE QTY

PARKING LEVEL P6 PHASE 2



nbbi

What we are doing to ease traffic congestion

- 78% of staff arrives by public transportation, by bicycle or on foot
- Largest shuttle bus program and bicycle program in the City
- 222 New spaces in the new garage for patients and visitors only
- Includes a new MBTA headhouse for the future Blue Line Connector
- 115% Increase in bike parking 566 New Spaces
- Valet operations in the lower level
- Public realm being designed for future bicycle lanes on Cambridge St. and Blossom St.
- Internal loading dock off Blossom St.
- Pedestrian bridge to reduce pedestrian / vehicle conflicts and improve flow
- Implement Transportation Access Plan Agreement (TAPA) and Construction Management Plan (CMP)
- Project team will have monthly public meetings during construction period to give updates on progress and hear concerns
- \$4 million contribution to the improvement to Blossom St.
- *\$500,000 for the advancement of the study and design of Cambridge St.*
- \$250,000 to BTD
- \$288,724 monetary contribution to the City's Bluebikes system including a new Bluebike station on the MGH campus

nbbi

Community Benefits – Neighborhood Mitigation

West End Senior Center / Community Center and Community Engagement

- MGH will sublease and renovate space at 75 Blossom Court for use as a Senior Center / Community Center and Food Bank
- MGH will provide financial support to the Old West Church and its service-based programming
- MGH continues to provide its strong support and sponsorship for the Esplanade Association's proposed Pavilion Project
- MGH will partner with community organizations on racial and environmental justice initiatives, and will convene bi-annual meetings with neighborhood groups and organizations

Historic Preservation

- MGH will incorporate a portion of the Winchell School Façade in the Northeast corner of the project, as well as curated displays representing the history and culture of the West End
- MGH will provide display space within the project for local museums including the West End Museum and the Museum of African American History
- MGH will provide financial support to the West End Museum and the Museum of African American History and for program development, displays and capital needs
- MGH will provide financial support to the Boston Preservation Alliance along with a substantial contribution to the Boston
 Legacy Fund

Beacon Hill / 12 Garden Street

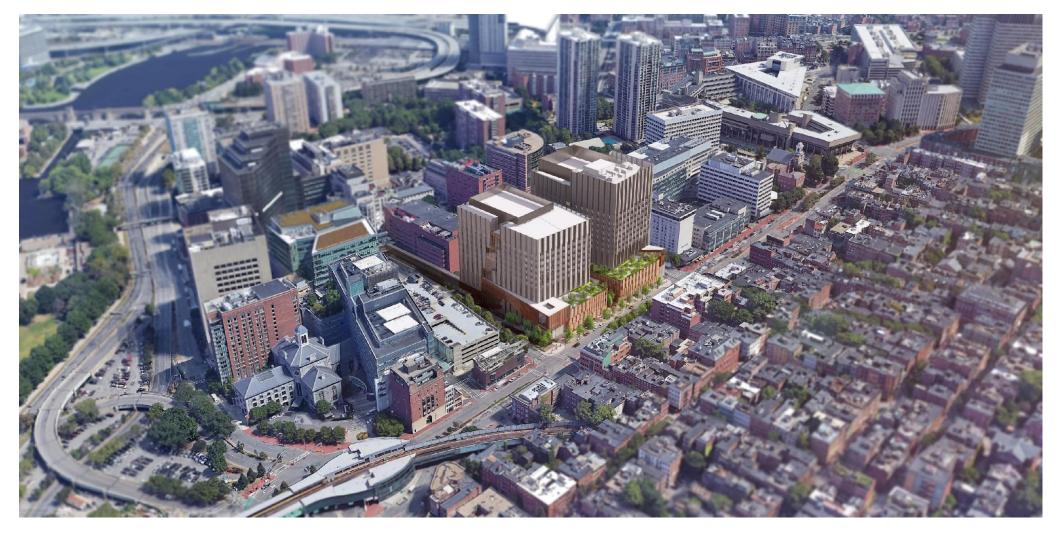
• MGH will move the hospital uses of the former garage into the Cambridge Street Project and extend an RFP for the reuse of the site for affordable housing

Transportation and Transit

- MGH will incorporate space within the Cambridge Street Project for an MBTA Headhouse for the planned Red/Blue line connector
- MGH has reduced proposed vehicular parking and increased bicycle parking on the campus
- Design of the new building will allow and facilitate the City's bike lane programs

MGH - Project Overview	date: 2022.7.13	nb bj	MASSACHUSETTS GENERAL HOSPITAL

SW Aerial



Commission Q&A 15 N Anderson St & 261 Cambridge Street

Public Q&A will follow shortly. Members of the public may submit any comments or questions by "raising their hand" or typing in the chat box.

Public Q&A15 N Anderson St & 261 Cambridge Street

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Commission Motion & Vote 15 N Anderson St & 261 Cambridge Street

50 Dalton St

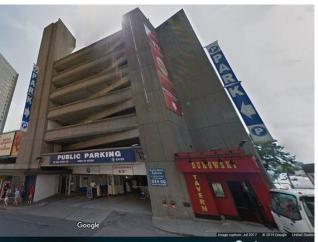
Modified Downtown Parking Freeze Permit

This public hearing will include opportunity for public comment. During public comment periods, members of the public may submit any comments or questions by "raising their hand" or by typing in the chat box.

5



50 Dalton Street



Executive Summary

REQUESTED ACTION

•Seeking a Modification of the Downtown Boston Parking Permit for 50 Dalton Street to add 66 parking spaces in the basement of Facility

- •Existing Permit for Facility was issued for 501 Parking Spaces
- •Approval of the Modification will increase the total to 567 Parking Spaces

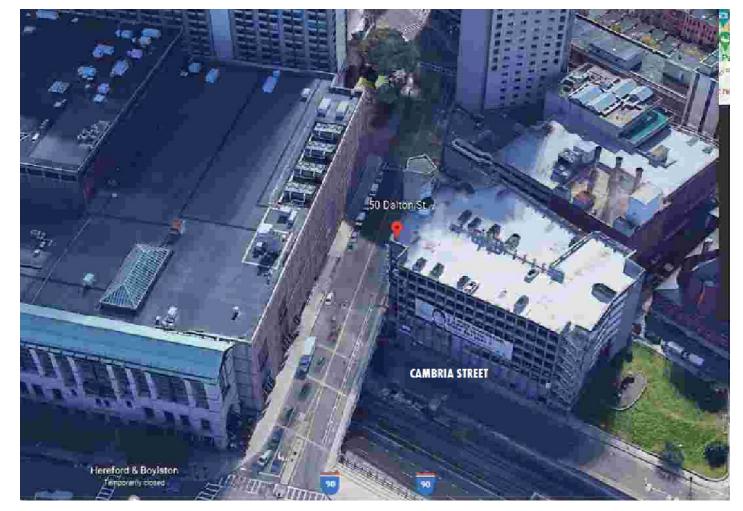
HISTORY OF FACILITY

- •The Facility was built in 1965
- •The Facility has been professionally managed by Pilgrim Parking, Inc. since inception
- •The basement parking spaces have historically existed since the construction of the Facility in 1965
- •During the mid 1960's, Hertz parked and serviced a fleet of rental vehicles in the basement of the Facility (see Hertz sign below)
- •Owner received permission from the City of the Boston for gasoline storage permits in the basement where vehicles were parked (i.e.,

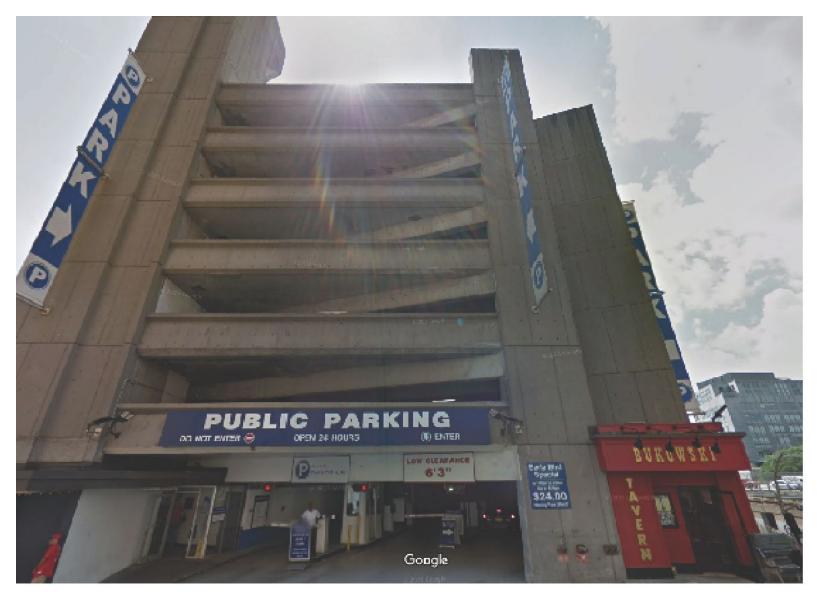
Petition CC-736 issued on May 3, 1965 and Petition CC-819 issued on April 21, 1966 by the City of Boston Public Safety Commission,

- <u>Committee on Licenses</u>) to allow a 5,000 gallon underground storage tank to service the vehicles parked in the basement
- •Directly following the closure of Hertz, the parking within the basement was continued as off-street parking for the general public and
- the local business community for over 50 years
- •There is a garage door and curb cub off Cambria Street, a public street, that provides direct vehicular access to the basement; there is
- also a sign above the door to the basement noting that monthly parking is available
- •The basement parking spaces provide safe, convenient and affordable off-street parking

Locus Plan



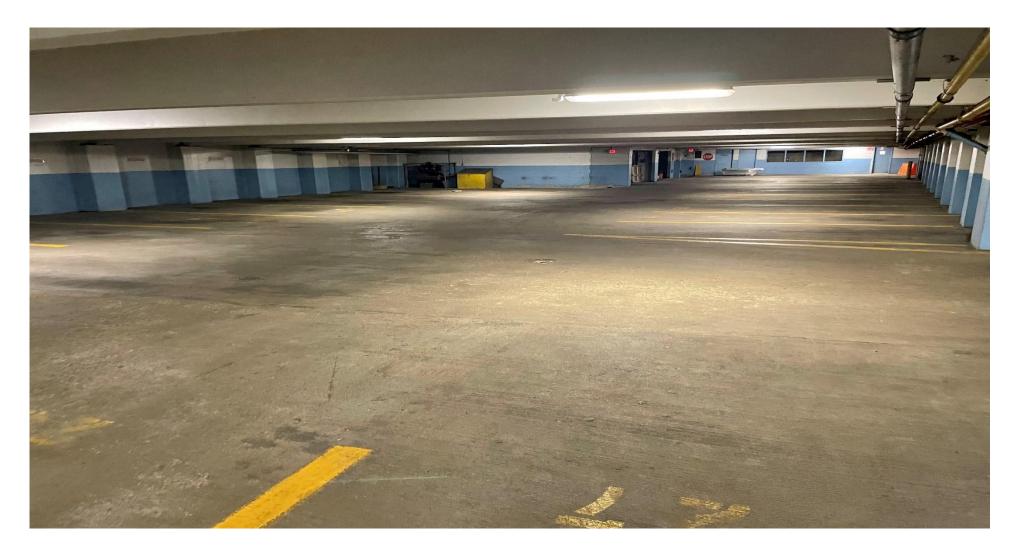
Entrance off Dalton Street



Entrance off Cambria Street



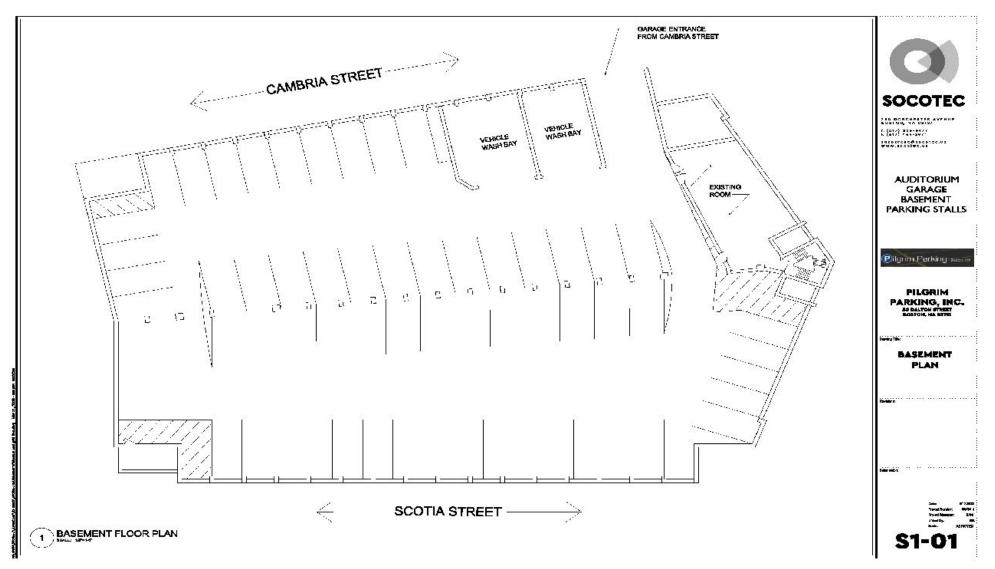
Basement Spaces



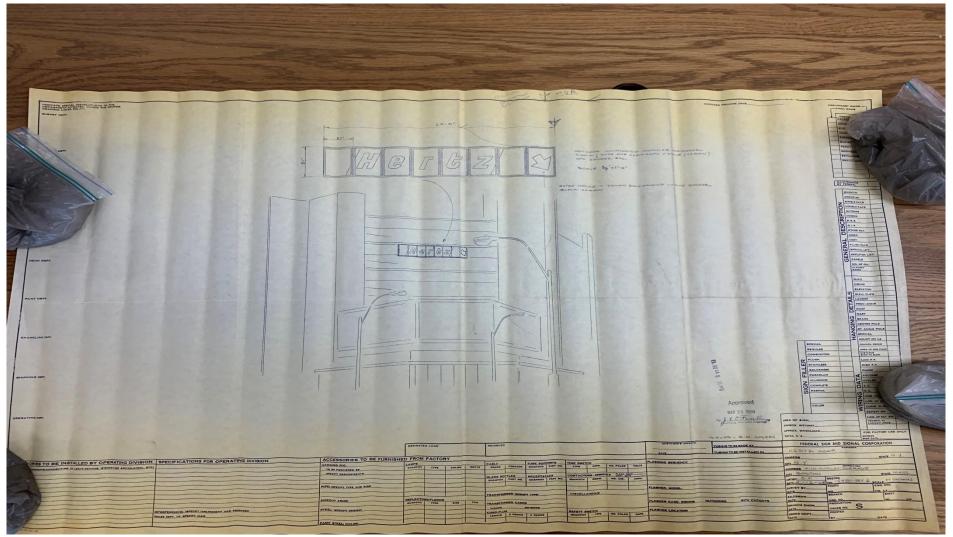
Basement Spaces



Basement Parking Plan



Hertz Sign



Commission Q&A 50 Dalton St

Public Q&A will follow shortly. Members of the public may submit any comments or questions by "raising their hand" or typing in the chat box.

Public Q&A 50 Dalton St

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Commission Motion & Vote 50 Dalton St

380 Stuart St

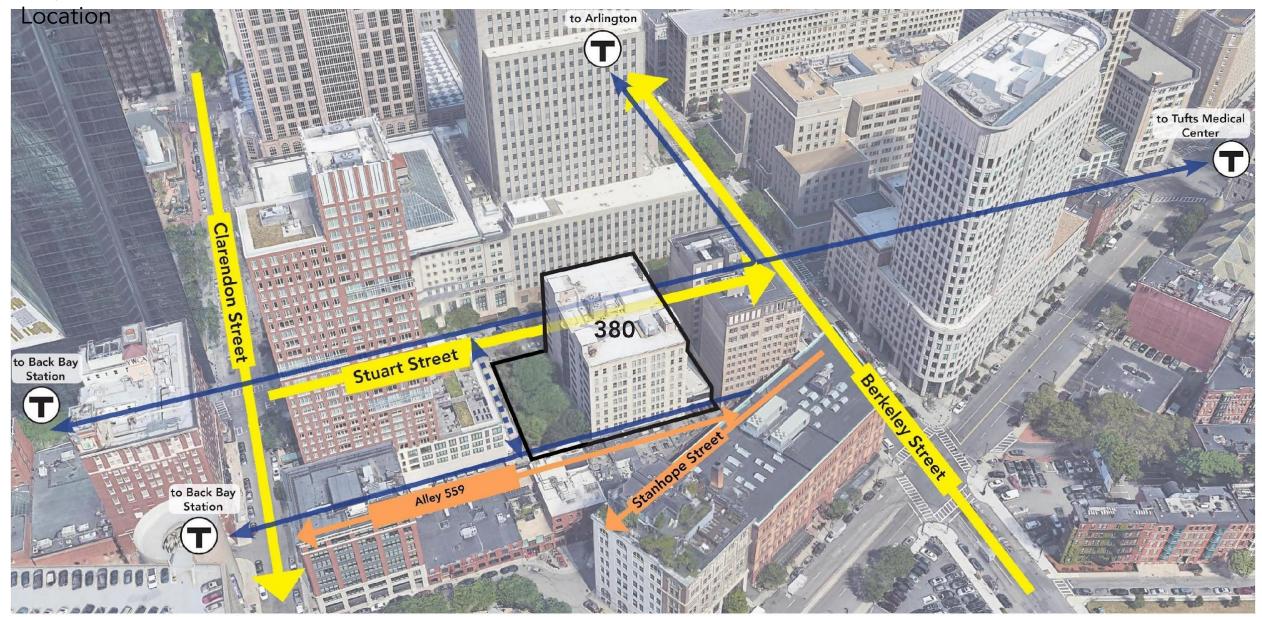
New Downtown Parking Freeze Exemption Certification

This public hearing will include opportunity for public comment. During public comment periods, members of the public may submit any comments or questions by "raising their hand" or by typing in the chat box.

380 Stuart Street

Project # 27802-0004 BAPCC Hearing October 19, 2022

Project

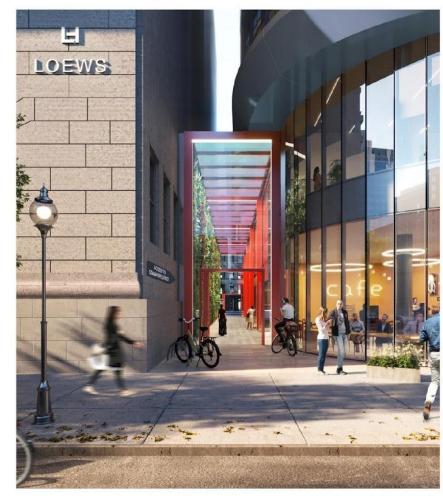


	Approved Project	
GSF	625,000	
Levels	28 above ground, 4 below ground parking levels	
Parking	175 off-street spaces	
EV Spaces	25% EV Spaces (44), 75% EV ready (131)	
Visitor Bicycle Parking	34 Visitor Spaces	
Tenant Bicycle Parking	252 Employee Spaces	
Showers	14 Employee Showers	
Lockers	106 Lockers	
Uses	Office, retail, service, restaurant, parking, and other uses accessory thereto	
Public Realm	Public realm expanded into activated lobby, outdoor plaza with water feature, protected/secured pedestrian pass-through, parking entrance on Stuart St. & egress onto Alley 559 (reducing width of curb cuts on Stuart St.), and 4 loading docks	
Sustainable Design	Design An all-electric Net Zero Carbon building + LEED Gold	



View from Stuart Street into East Passage and West Plaza

East Passage



West Plaza



VEHICULAR PARKING

Level	Туре	Count
LEVEL P4	COMPACT	19
LEVEL P4	PARALLEL - SINGLE AISLE	3
LEVEL P4	STANDARD	30
		52

BICYCLE PARKI	NG
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LEVEL

LEVEL P1

LEVEL P1

LEVEL P1

LOCKER COUNT

Level	Туре	Unit Count	Locker Count
LEVEL P1	DOUBLE LOCKER UNIT	15	30
LEVEL 3	SINGLE LOCKER UNIT	72	72
LEVEL 3	DOUBLE LOCKER UNIT	2	4
	TOTAL	89	106

LEVEL P3	COMPACT	19
LEVEL P3	PARALLEL - SINGLE AISLE	3
LEVEL P3	STANDARD	29
		51

LEVEL 1	ON-GROUND (VISITOR, PASSAGE)	7	14
LEVEL 1	ON-GROUND (VISITOR, STREET)	10	20
LEVEL 1	ON-GROUND, EXTRA-WIDE (EMPLOYEE)	2	4
LEVEL 1	TWO TIER BIKE LOCKER (EMPLOYEE)	5	10
			48

TYPE

ON-GROUND, EXTRA-WIDE (EMPLOYEE)

HIGH DENSITY (EMPLOYEE)

ON-GROUND (EMPLOYEE)

TOTAL BIKE PARKING SPACES

286

180

50

8

238

COUNT BIKE COUNT

45

25

4

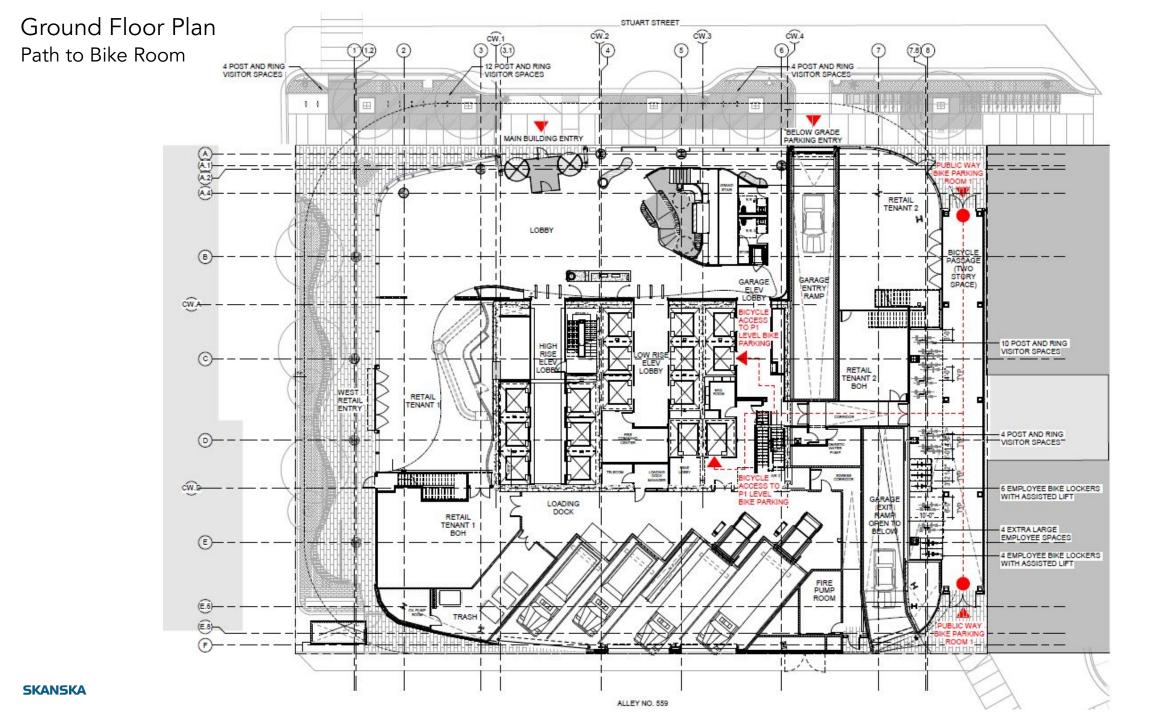
LEVEL P2	COMPACT	9
LEVEL P2	EV - COMPACT	10
LEVEL P2	EV - STANDARD	23
LEVEL P2	PARALLEL - SINGLE AISLE	3
LEVEL P2	STANDARD	6
	22 website of the second second	51

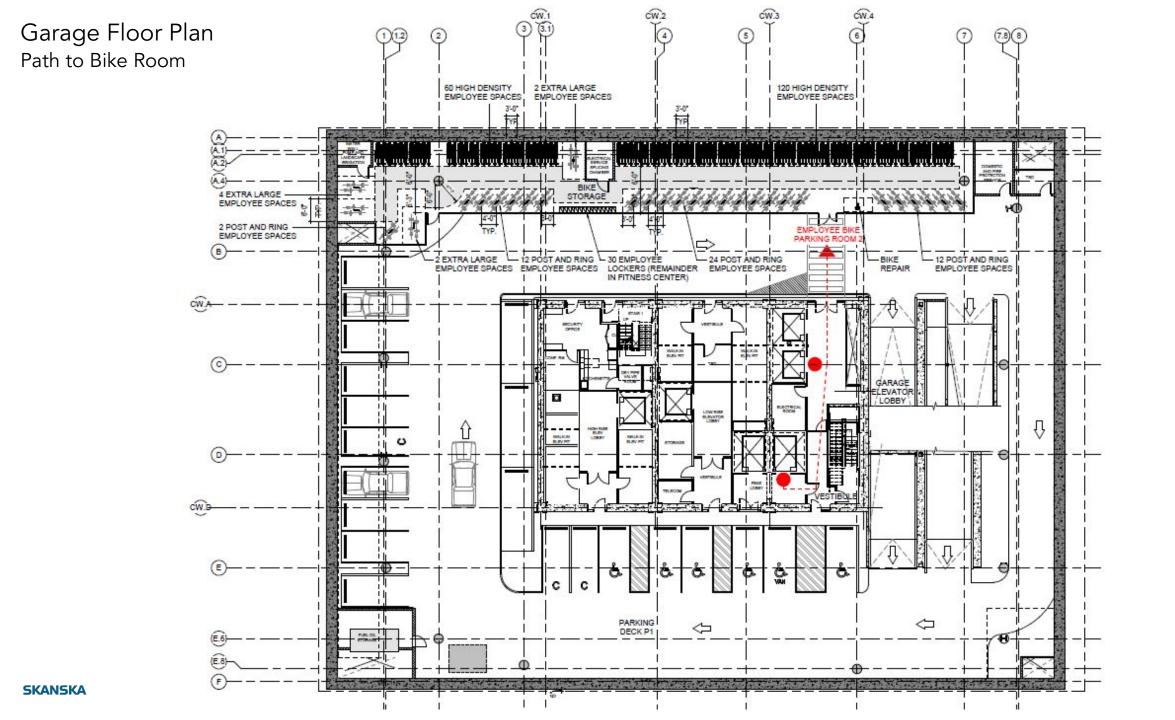
LEVEL P1	ACCESSIBLE	4
LEVEL P1	ACCESSIBLE VAN	1
LEVEL P1	COMPACT	2
LEVEL P1	EV - ACCESSIBLE	1
LEVEL P1	EV - COMPACT	1
LEVEL P1	EV - STANDARD	9
LEVEL P1	PARALLEL - SINGLE AISLE	3
	•	21

TOTAL VEHICULAR PARKING SPACES: 175 175

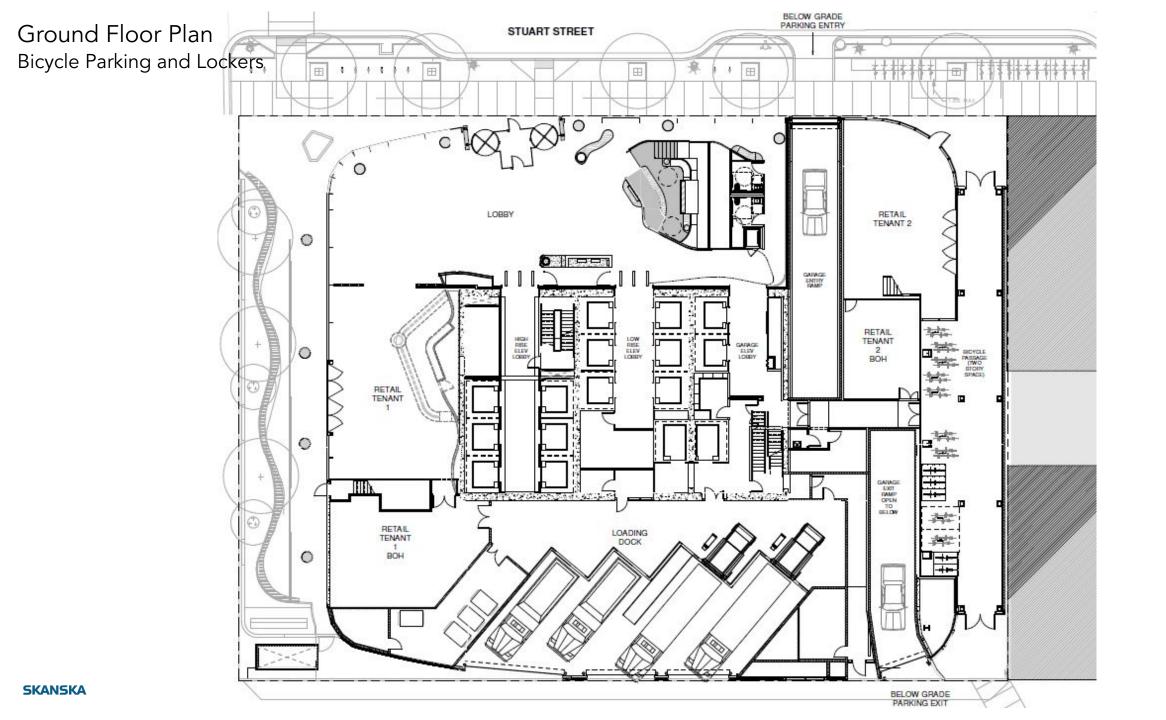
EV-equipped spaces: 44

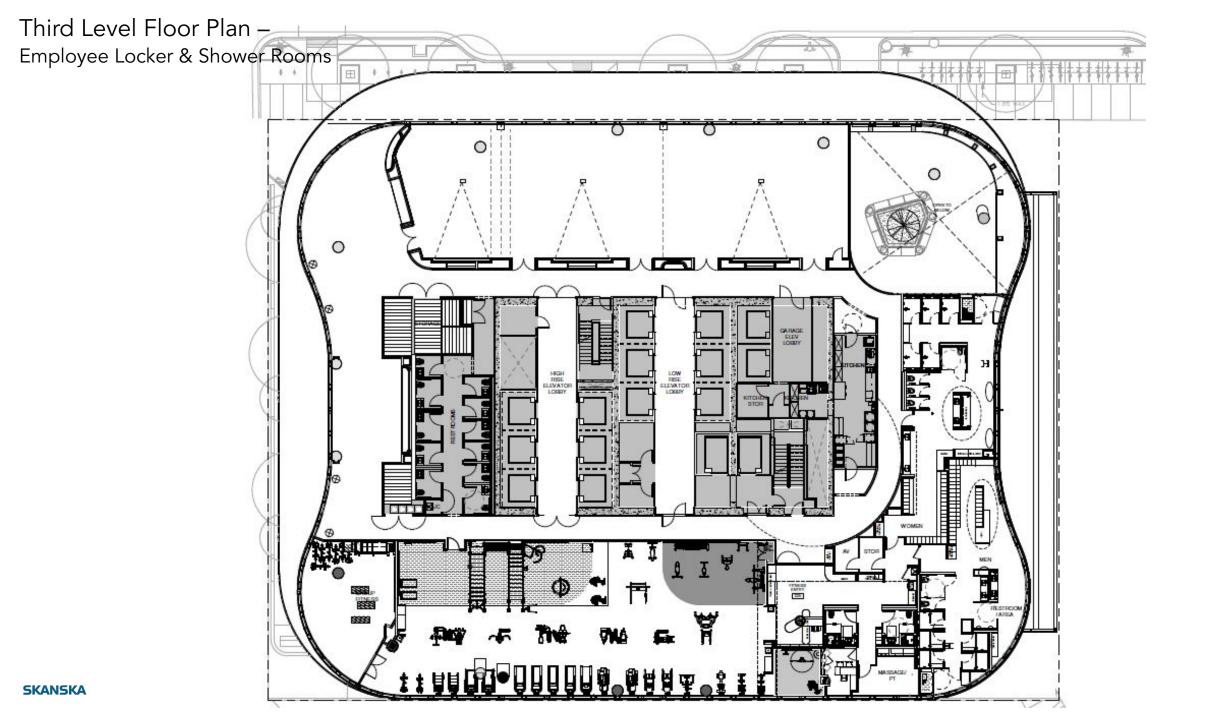
EV-ready spaces: 100%

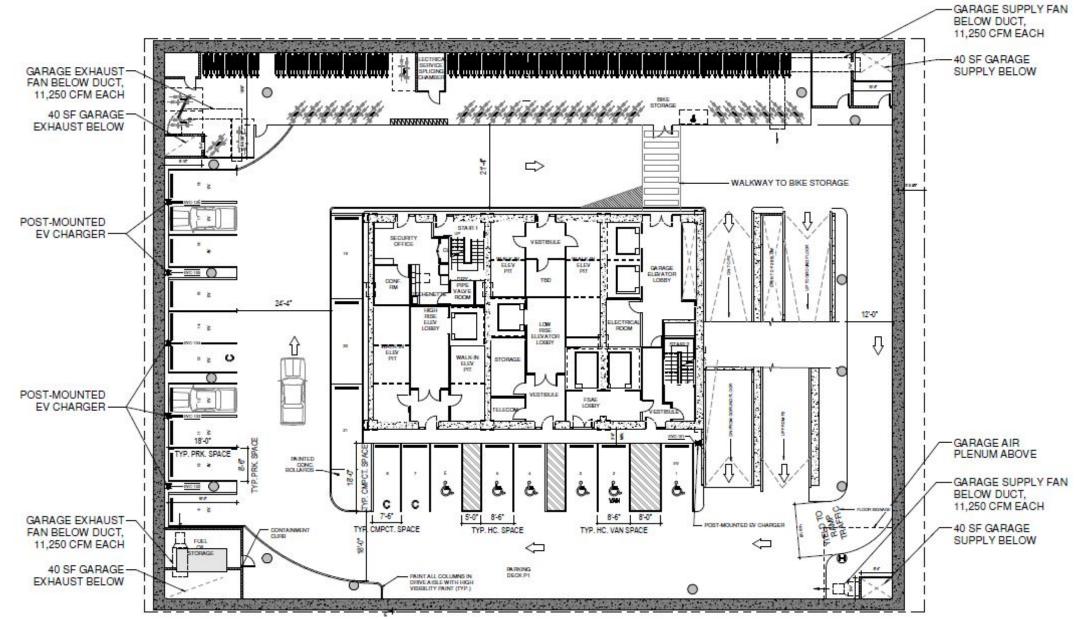


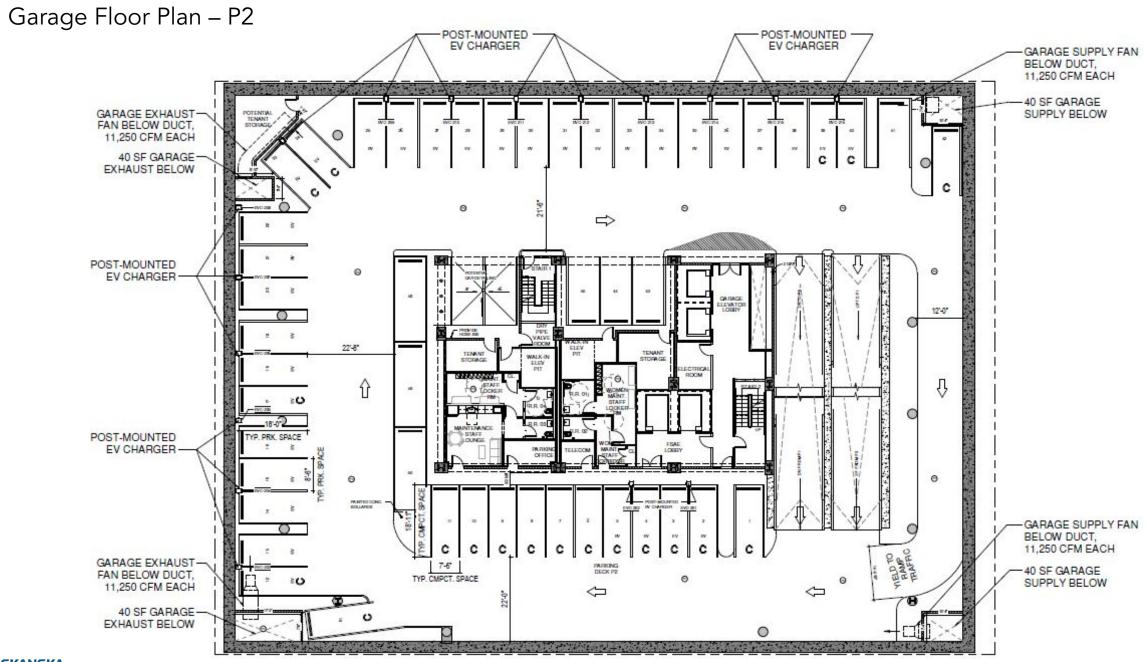


Thank You



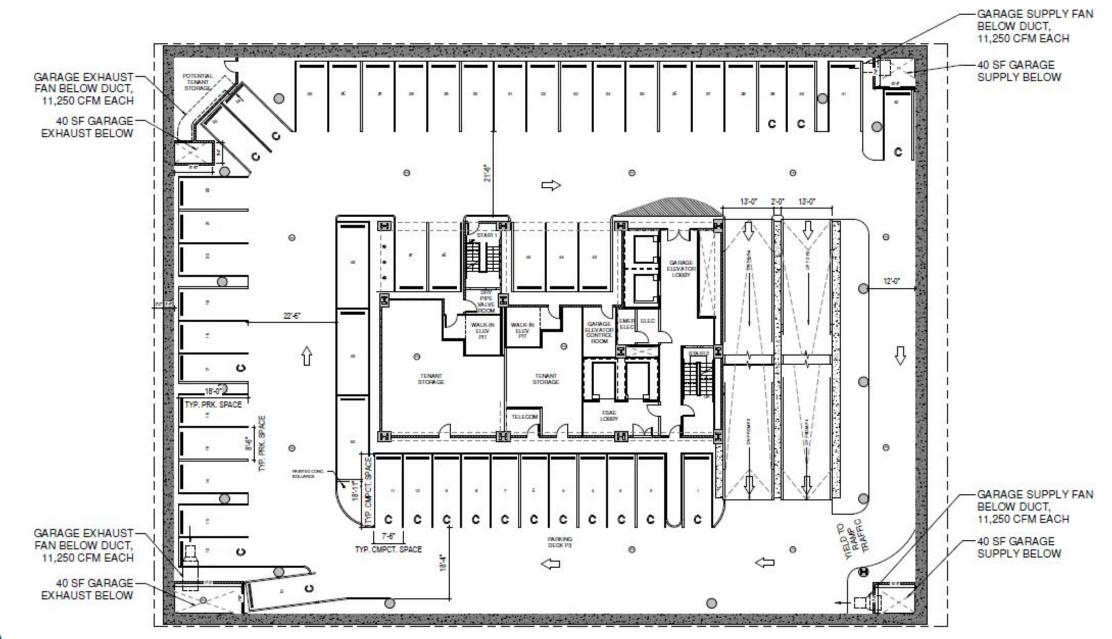




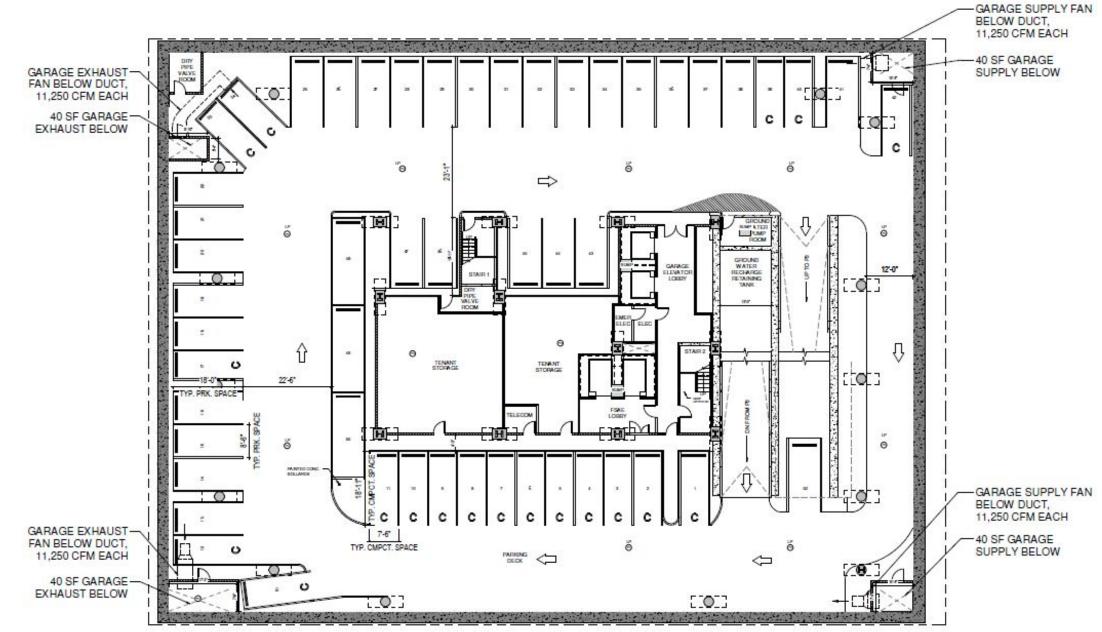


SKANSKA

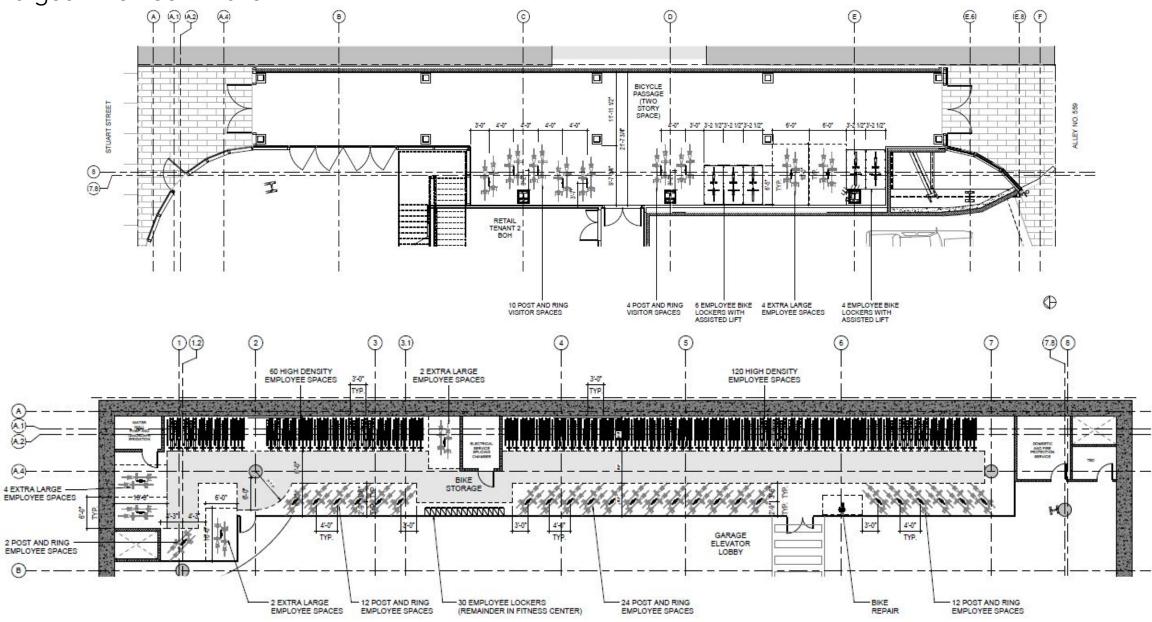
Garage Floor Plan – P3



SKANSKA



Enlarged Bike Room Plans



Commission Q&A 380 Stuart St

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Public Q&A 380 Stuart St

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Commission Motion & Vote 380 Stuart St

288 Harrison Ave

New Downtown Parking Freeze Exemption Certification

This public hearing will include opportunity for public comment. During public comment periods, members of the public may submit any comments or questions by "raising their hand" or by typing in the chat box.



3D PERSPECTIVE

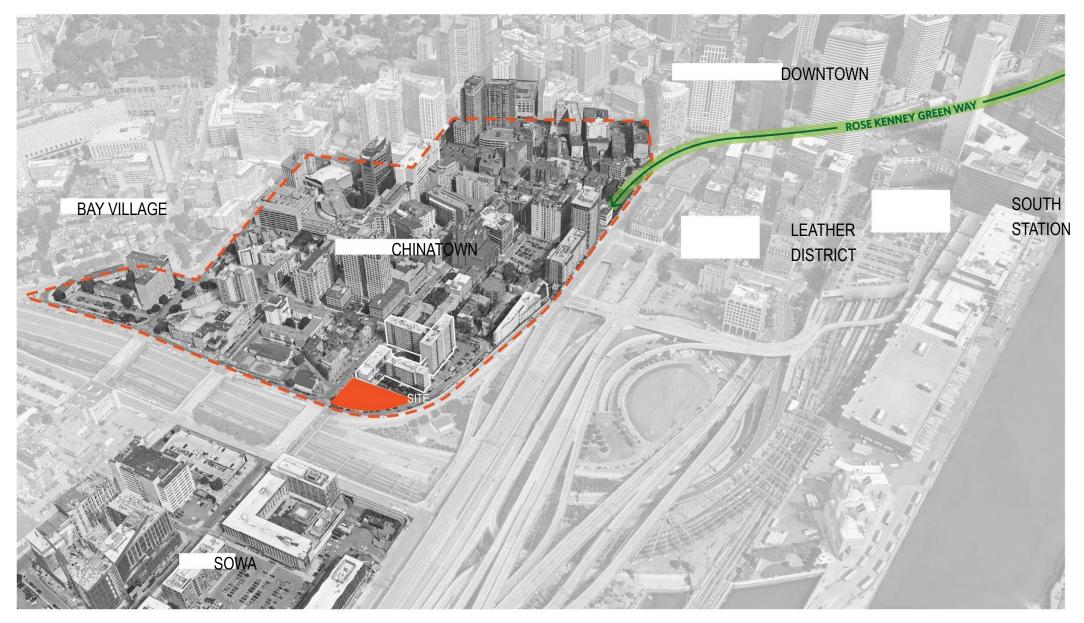
JUNCTION OF HARRISON AVE & HERALD ST - LOOKING NORTH-EAST



+#×#



288 HARRISON RESIDENGEROBER 19, 2020



URBAN DIAGRAM

NEIGHBORHOOD CONTEXT

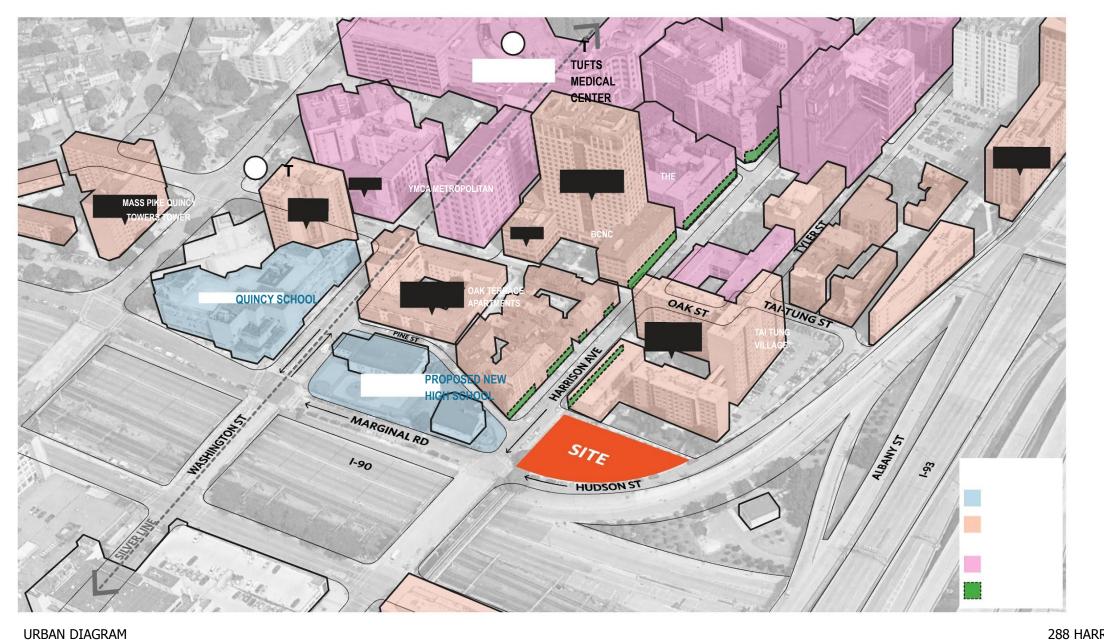




Bruner/Cott

288 HARRISON RESIDENCES

OCTOBER 19, 2022



288 HARRISON RESIDENCES





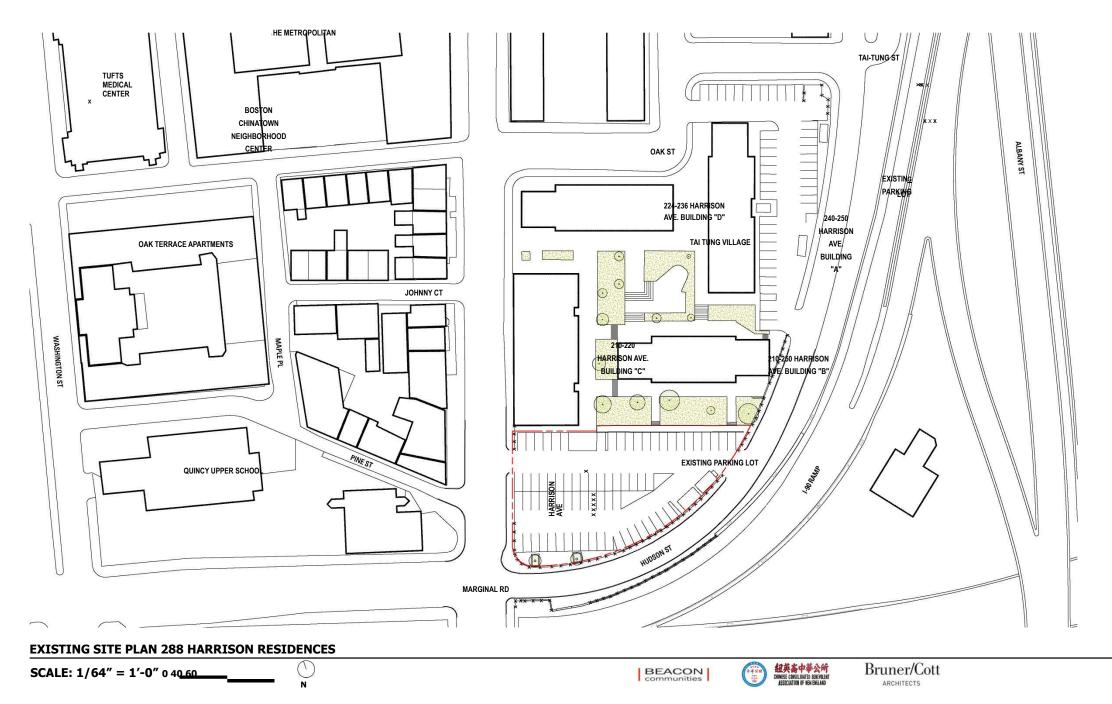
EDUCATION

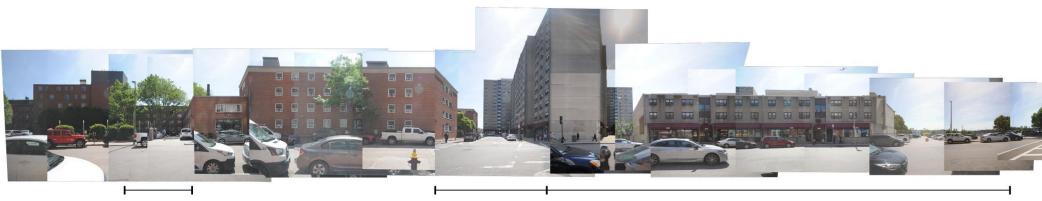
HOUSING/

MIXED-USE/ COMMUNITY INSTITUTIONAL

RETAIL EDGE

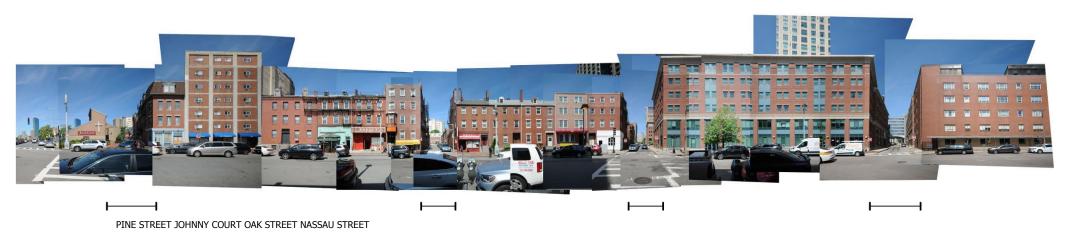
LEGEND





NASSAU STREET OAK STREET TAI TUNG VILLAGE

HARRISON AVE - EAST



HARRISON AVE - WEST



組英為中華公所 CHINESE CONSOLIDATED BENEVOLENT ASSOCIATION OF NEN ENGLAND



HUDSON ST - NORTH-WEST

STREET ELEVATIONS

NTS

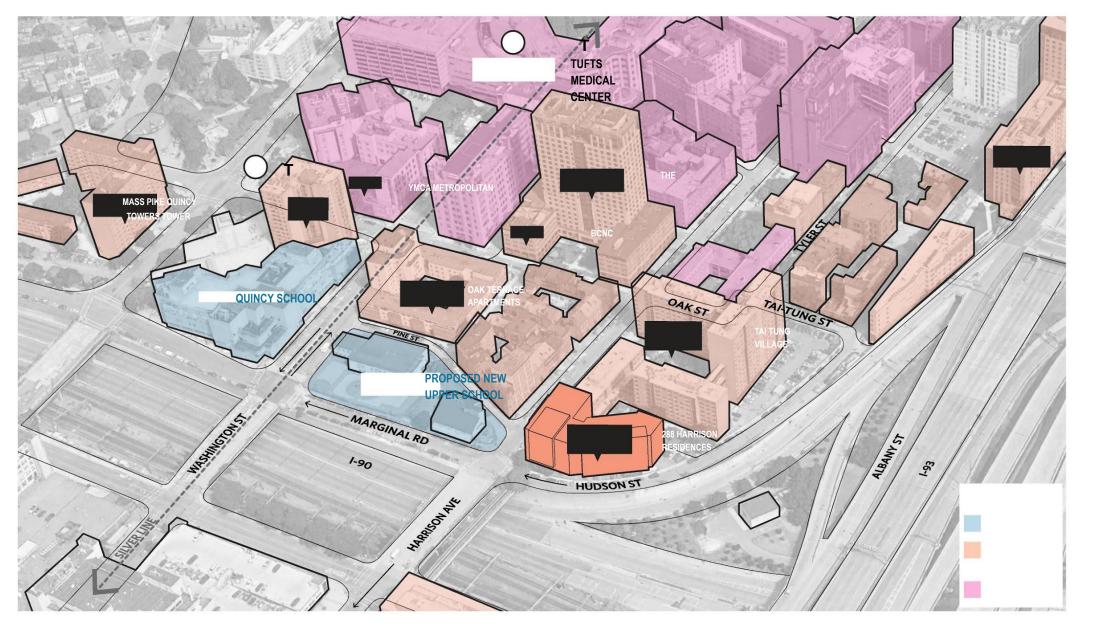
288 HARRISON RESIDENCES



+====



Bruner/Cott



URBAN DIAGRAM

SITE CONTEXT WITH PROPOSED BUILDING MASSING



+***



Bruner/Cott

288 HARRISON RESIDENCES

LEGEND

OCTOBER 19, 2022

EDUCATION HOUSING/ MIXED-USE/ COMMUNITY INSTITUTIONAL



PROPOSED LANDSCAPE PLAN 288 HARRISON RESIDENCES

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ELECTRICAL ROOM



PROPOSED GROUND FLOOR PLAN 288 HARRISON RESIDENCES







WEST ELEVATION 288 HARRISON RESIDENCES

SCALE: 1/16" = 1'-0" 0 10 20



組英崙中華公所 Chinese consultated benevalent Association of Nen England



OCTOBER 19, 2022



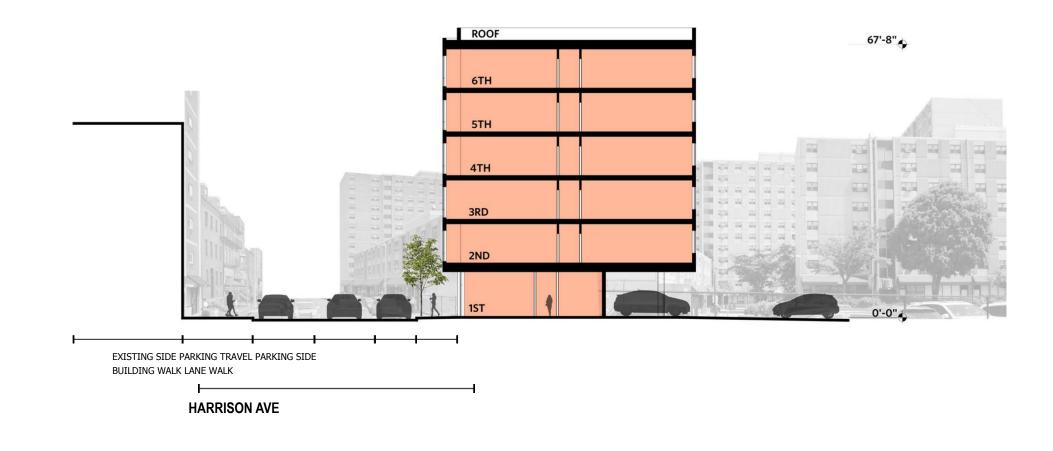
SOUTH ELEVATION 288 HARRISON RESIDENCES

SCALE: 1/16" = 1'-0" 0 10 20_____

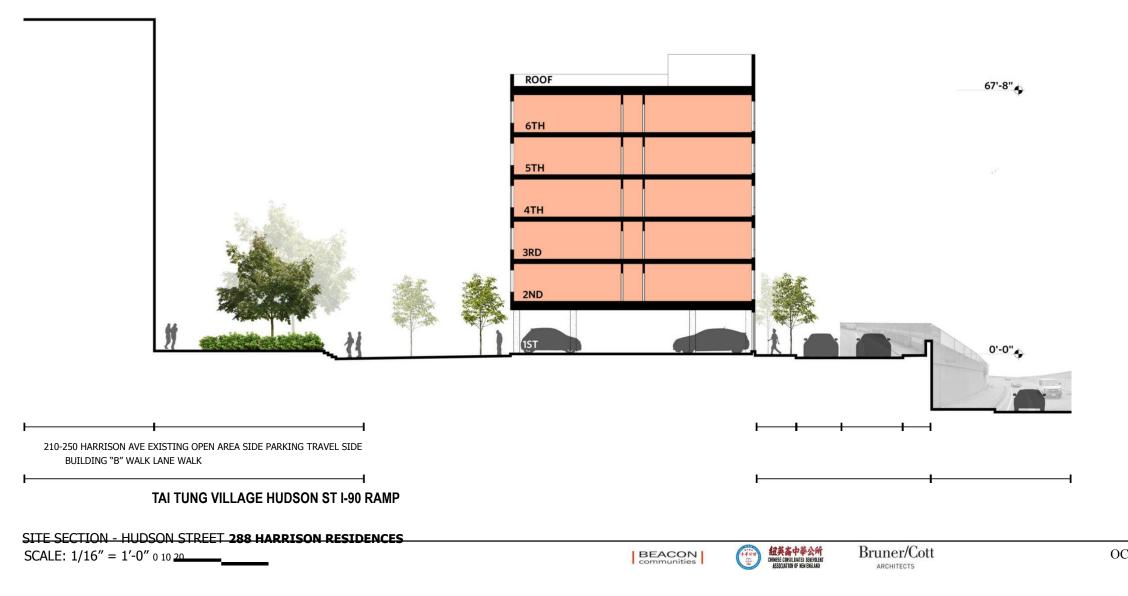


組英崙中華公所 Chinese consultated benevalent Association of Nen England











3D PERSPECTIVE

HARRISON AVE - LOOKING SOUTH



+#48



Bruner/Cott

288 HARRISON RESIDENCES

OCTOBER 19, 2022



3D PERSPECTIVE

HUDSON STREET - LOOKING SOUTH-EAST





+#48

Bruner/Cott

288 HARRISON RESIDENCES

OCTOBER 19, 2022

Commission Q&A 288 Harrison Ave

Public Q&A will follow shortly. Members of the public may submit any comments or questions by "raising their hand" or typing in the chat box.

Public Q&A 288 Harrison Ave

Members of the public may submit any comments or questions by "raising their hand" or typing in the chat box.

Commission Motion & Vote

288 Harrison Ave

776 Summer St

Modified South Boston Parking Freeze Permit

This public hearing will include opportunity for public comment. During public comment periods, members of the public may submit any comments or questions by "raising their hand" or by typing in the chat box.







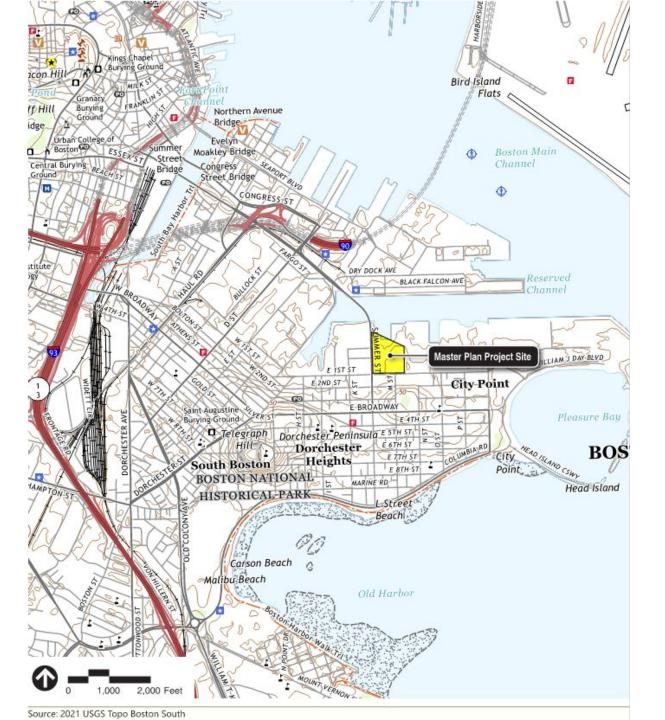


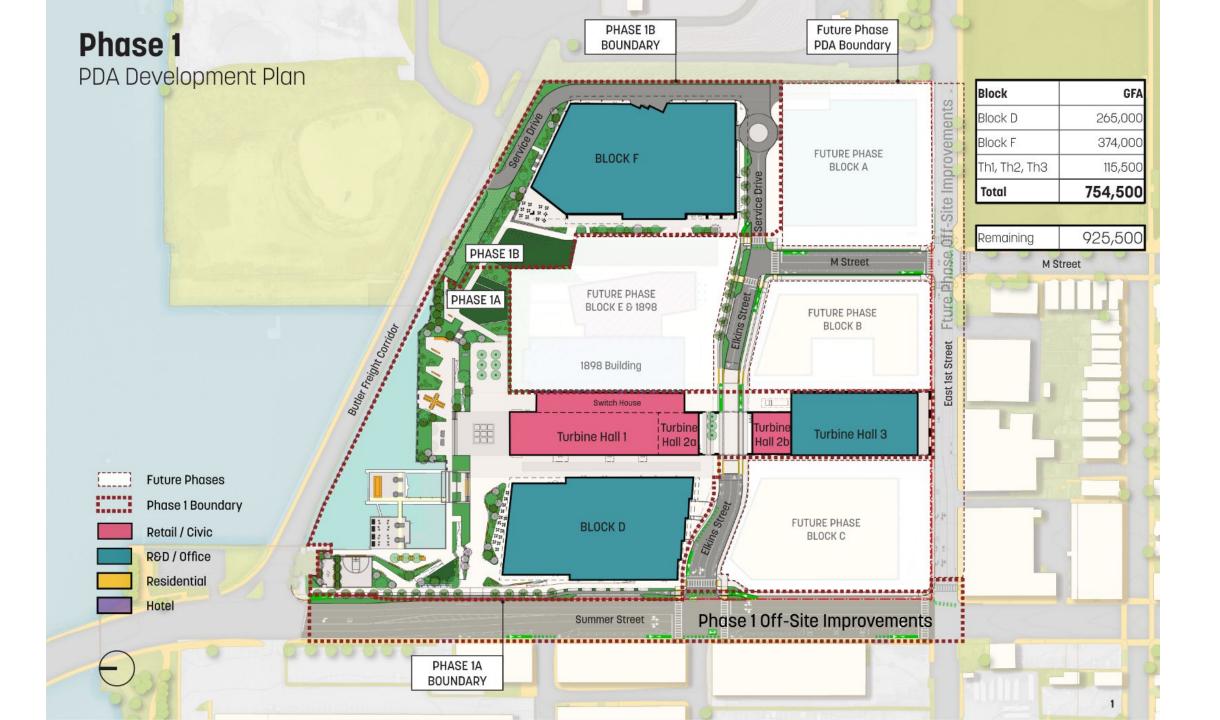






Locus Map





Anticipated Project Schedule

- November 15, 2019 BPDA PDA Master Plan Submission
- January 14, 2021 BPDA PDA Master Plan Approval
- January 18, 2022 BPDA Pre-filing Phase 1 PNF/PDA Process Commenced
- June 21, 2022 Phase 1 PNF/PDA Development Plan Submission
- December 2022 Anticipated Article 80 Approval
- Q3 2023 Anticipated Phase 1 Construction Commencement
- Q4 2025 Anticipated Phase 1 Construction Completion

Vehicle Parking

- Accommodated in 2 below-grade garages (Blocks D and F)
- 163 spaces EV Installed (Level 2 Chargers)
- -60 spaces will be made available to South Boston residents holding a resident permit during nights, weekends, and snow emergencies, free of charge (per BPDA approval)

	Number of Spaces
Existing Permitted Spaces (Commercial) ¹	275
New Spaces (Commercial)	375
Total Spaces (Commercial)	650

¹ APCC Permit #367655

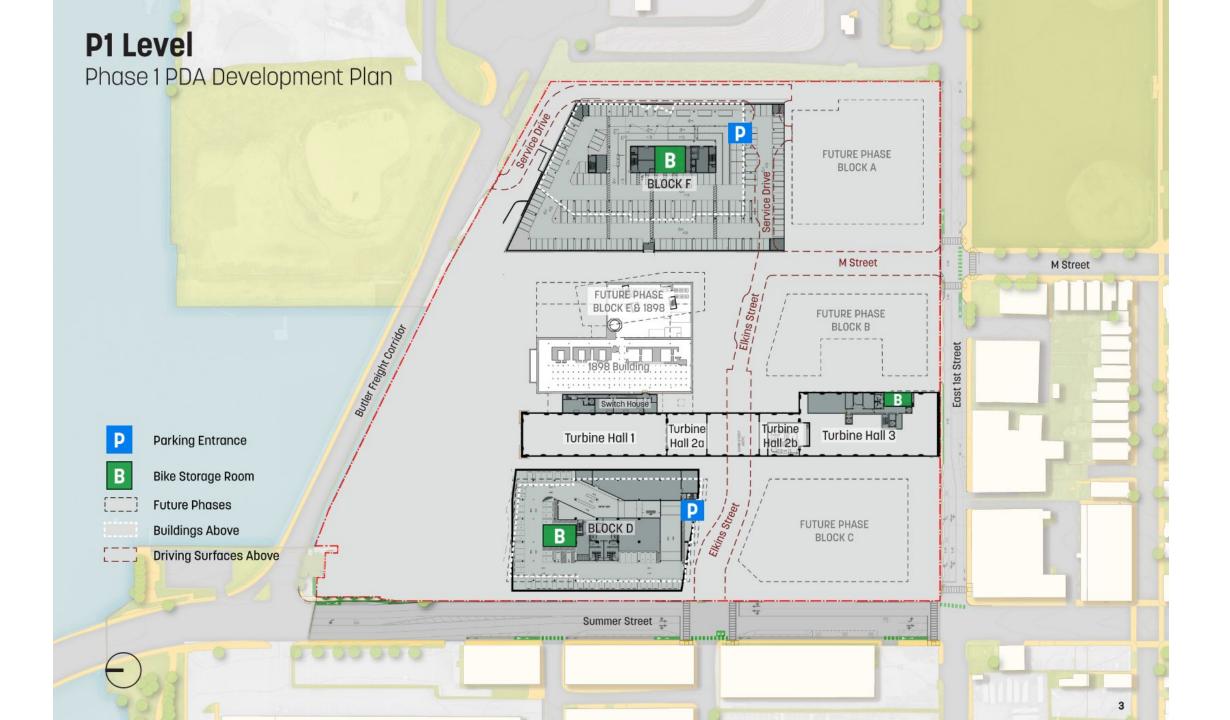
Bicycle Parking & Amenities

- 351 indoor secure spaces
- 53 outdoor visitor spaces
- 2 bikeshare stations
- Amenities
 - 129 lockers
 - 14 showers
- Bikeshare contribution of ~\$218,000

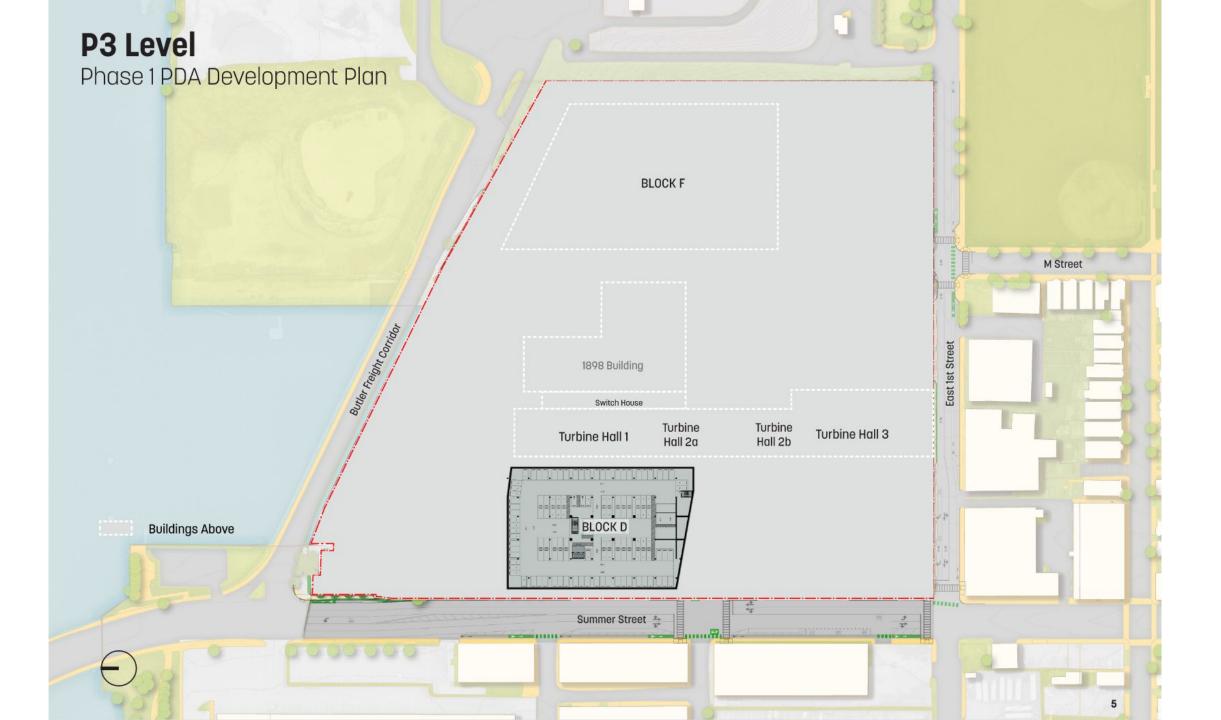
Indoor Bike Parking Summary

	Ground Level	B1	B2	Total
Block D	0	107	0	107
Block F	110	76	0	186
Turbine Halls	0	58	N/A	58
Total	110	241	0	351















Commission Q&A 776 Summer St

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Public Q&A 776 Summer St

Members of the public may submit any comments or questions by "raising their hand" or typing in the chat box.

Commission Motion & Vote 776 Summer St

Public Meeting

B

Status of the Parking Freeze

Mayor Michelle Wu

General Parking Freeze Update

Status as of 10/14/2022

• East Boston

- 702 park-and-fly and 2,610 rental car spaces allocated (246 rental car spaces eliminated)
- 2022: 4/4 permits renewed, 1 permit sunset

South Boston

- 28,305 spaces allocated and 1,455 spaces in freeze bank (582 spaces transferred to Massport freeze, 375 space allocation discussed today)
- 2021: 118/127 permits renewed (93%, +7% since July meeting)
- 2022: 89/127 permits renewed (70%)

Downtown Boston

- 31,221 spaces allocated and 4,335 spaces in freeze bank (8 spaces returned by APCC453889/Haymarket Garage)
- 2021: 242/273 permits renewed (89%, +3% since March meeting)
- 2022: 190/277 (69%)

FY2022 Renewal Cycle

Status as of 10/14/2022

39 permits not yet renewed

- Majority held by public agencies, ongoing engagement
- In contact with a number of permit holders (provided further guidance, recommended modification application)
- Permits for potential revocation (permit not renewed despite outreach or non responsive):
 - 2 Downtown permits and 3 exemption certifications: 34 Cooper St, 500 Atlantic Ave, 128 Dartmouth St, 140 Clarendon St, 399 Boylston St
 - 3 South Boston permits: 307 Dorchester Ave, 330 C St (vacant with proposed redevelopment), 9 Broadway

1 111113 1223 1223 1233 1234 124

BERDO Building Emissions Reduction and Disclosure Ordinance

Regulations Process

Phased approach by key topics

Phase 1

- Adopted in March 2022
- Reporting and data verification requirements

Phase 2

- Review Board regulations
- Renewable energy purchases
- Emissions factors
- Blended emissions standards, designating tenant as owner, and other clarifying regulations as needed

Phase 3

- Hardship compliance plans
- Individual compliance schedules
- Portfolio compliance
- Equitable Emissions Investment Fund regulations
- Additional regulations as needed to implement and enforce the ordinance



Phase 2 Community Engagement Process

Main components to date

Community Leads Meetings

Technical Working Sessions

Series of special meetings with community partners

- Action 4 Equity
- Allston Brighton Health Collaborative (ABHC)
- Alternatives For Community & Environment (ACE)
- Boston Climate Action Network (BCAN)
- Chinese Progressive Association (CPA)
- Fairmount Indigo CDC Collaborative (represented by CSNDC)
- Mothers Out Front

Public meetings on Zoom Technical experts invited

- Working session #1 on blended emissions standards and clarifying regulations (September 7. 2022)
- Working session #2 on grid emissions factors and renewable energy purchases (September 14, 2022)
- Working session #3 on district energy systems (September 21, 2022)

Special meetings to go deep into specific topics

Focus

Groups

- Higher education focus group
- Cultural institutions focus group
- Healthcare focus group
- Longwood Medical Area focus group
- A Better City focus group
- MACDC focus group
- Affordable housing focus group

Air Pollution Control Commission

Public meetings on Zoom

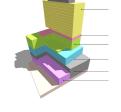
• APCC Special Hearing (September 28, 2022)

Staff are available to meet with additional groups over coming weeks to discuss draft regulations.

Phase 2 Regulations Topics







Blended Emissions Standards



Emissions Factors

(Grid Emissions, District Energy Systems)



Designating tenant as owner (Long-term commercial tenants)



Change of ownership



Renewable Electricity Purchases

(PPAs, RECs, SMART Program)



Buildings in Special Circumstances

(Vacant buildings, Demolitions)

Community Priorities for BERDO 2.0

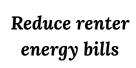
What did we hear that residents want?

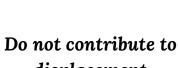
Boston residents want carbon reduction programs that:



Improve air quality for residents







displacement

Improve heating + cooling in homes

Create jobs for residents



Are good for the environment

Review Board

Draft regulations key features

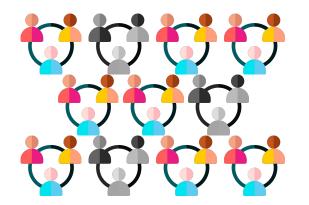
Review Board Regulations (Part 1)

Designation of Community-Based Organizations

B

STEP 1

Non-profit organizations apply to qualify as a CBO during a defined application period.



- CBOs would need to self-attest and provide evidence that they meet the definition requirements of the Ordinance.
- CBO application periods would become available in **2023** and every **5 years** thereafter.

STEP 2

The Environment Department reviews applications and selects CBOs that meet the definition requirements of the Ordinance.



- At least 6 qualifying CBOs must be selected. If less than 6 qualifying CBOs have applied, a new application period would reopen.
- Qualifying CBOs would keep their designation for **5 years**.
- If an applicant or member of the public disagrees with a decision by the Environment Department, they may request the Commission to review the determination. Any decision by the Commission shall be final.

Review Board Regulations (Part 2)

Designation of Community-Based Organizations

- The definition of CBO in the Ordinance includes a requirement that "the majority of the governing body and staff consists of local residents" (highlighted in blue). In this case, local residents means "residents of the Greater Boston area".
- The definition also includes other references to residents (highlighted in yellow). In these cases, residents means "residents of Boston".

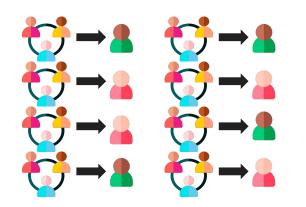
According to the Ordinance:

"Community-Based Organization means a not-for-profit organization that is **driven by community residents**, that is the majority of the governing body and staff consists of **local residents**, the main operating offices are in the community of service, priority issue areas are identified and **defined by residents**, solutions to address priority issues are **developed with residents**, and program design, implementation, and evaluation components have **residents intimately involved and in leadership positions.**"

Review Board Regulations (Part 3)

Selection of Review Board Members nominated by Community-Based Organizations

STEP 1 Each qualifying CBO nominates one Review Board Member.



- Fill out an online nomination form that will request evidence that the nominee meets the requirements established by the Ordinance.
- Valid evidence to demonstrate expertise will include professional experience, academic degrees, volunteer experience, and lived experience.

STEP 2

The Environment Department reviews nominations to ensure all nominees meet the requirements established by the Ordinance and sends list of nominees to the Mayor.



• In the event that fewer than 6 qualified individuals are nominated or appointed, the Environment Department shall open a new round of nominations from qualified Community-Based Organizations. STEP 3

Mayor appoints six Review Board Members from the list of nominees and send the appointees for approval by the City Council.



• If nominations are not approved by the City Council within 3 months, they shall be presumed to have been acceptable and shall be approved de facto.

Review Board Regulations (Part 4)



Selection of remaining Review Board Members

The Chair of the City Council's Environment, Resiliency and Parks Committee, or their designee shall serve as a member of the Review Board.



• This is already required by the Ordinance.

STEP 1

Interested individuals can nominate themselves and/or be nominated by any member of the public.



• Nominees would be asked to demonstrate expertise in at least one of the required areas.



The Environment Department reviews nominations to ensure all nominees meet the requirements established by the Ordinance and sends list of nominees to the Mayor.

STEP 3

Mayor appoints two Review Board Members from the list of nominees and send the appointees for approval by the City Council.



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• If nominations are not approved by the City Council within 3 months, they shall be presumed to have been acceptable and shall be approved de facto.

Review Board Regulations (Part 5)

Additional highlights

- All members of the Review Board **must be residents of Boston** at the time of their appointment and for the duration of their term.
- Review Board members **may not be elected officials** in the City of Boston **or full-time employees of the City of Boston** or a quasi-City agency (excluding the Chair of the Boston City Council's Environment, Resiliency and Parks Committee, or their designee).
- Members of the Review Board shall serve for terms of **3 years**. Individuals may serve more than one term, but **no more than 3 consecutive terms**.
- Any Review Board member requesting **compensation** shall submit a request to the Environment Department. Review Board members will receive compensation at the following rate:



\$200 per day of service

with a maximum of \$4,800 per year.

• All records of the Review Board shall be **public** unless an exemption applies under the Massachusetts public records law.

Emissions Factors and District Energy Systems Draft regulations key features

Emissions Factors (Part 1)

Fuels and Grid Electricity

B

By April 1st of each year, the Commission shall update all relevant Emissions Factors. Building Owners shall use these Emission Factors for calculating compliance with the Emissions Standards.



Emission Factors for natural gas, propane, fuel oil, diesel oil, and kerosene, and any other fuels not otherwise specified shall be the most recent emissions factors reported by **ENERGY STAR Portfolio Manager**.



Emissions Factors for **electricity from the grid** shall be based on real data published by ISO New England and any other relevant governmental sources for the compliance year.

In the event that the Environment Department fails to adopt an annual electric grid Emissions Factor by April 1st, the lower of (i) the previous year's emissions rate or (ii) the Environment Department's projected emissions factor, shall be used for compliance.

Emissions Factors (Part 2)

B

District Energy Systems



Emissions Factors for District Energy Systems and co-generation plants shall be calculated using an **efficiency methodology** defined in policies and procedures issued by the Commission.

- i. If a District Energy System operator fails to provide its Emissions Factors by April 1st, Emissions Factors reported by ENERGY STAR Portfolio Manager shall be used for compliance.
- **ii.** Owner's of Campus District Energy Systems may either (i) use the efficiency methodology for District Energy Systems to determine their Emissions Factors or (ii) apply the appropriate Emissions Factors to their central plant's fuel inputs and apportion the emissions across their connected buildings.



Emissions Factors for **thermal energy generated from renewable electricity** produced by qualified non-emitting sources shall have an **emissions factor of 0 kgCO2e/MMBTU**, provided that:

- i. no Emissions are produced in the generation of the thermal energy,
- ii. all requisite qualifying Renewable Energy Credits have been retired, and
- iii. any required Third-Party Verification is provided.

Emissions Factors (Part 3)

Review Board and Time-of-use Emissions Factors



The Commission may adopt emissions factors for fuels not referenced in the Regulations.



Subject to approval by the Environment Department, Owners with hourly-metered electric data or better may opt to use **time-of-use emissions rates**.

- i. Owner's must provide Third-Party Verification of annual time-of-use emissions data and methodology and such data shall be public and subject to audit.
- **ii.** If a time-of-use emissions rate is not approved, the grid electricity Emissions Factors adopted by the Environment Department shall be used.

Renewable Electricity Purchases Draft regulations key features

Renewable Electricity Purchases (Part 1)

Boston's Community Choice Electricity Program

- 1. Renewable Energy Certificates (RECs) procured on behalf of customers by the Boston municipal electricity aggregation program are eligible as a method of compliance.
- 2. For Energy purchased from the Boston municipal aggregation program that is not matched with 100% RECs, the appropriate Emissions factor adopted by the Commission shall apply to the portion of the Energy not matched with RECs.

STANDARD (DEFAULT)	OPTIONAL BASIC	OPTIONAL GREEN 100
\$0.11161 / KWH	\$0.10771 / KWH	\$0.13858 / KWH
30% RENEWABLE ENERGY	20% RENEWABLE ENERGY	100% RENEWABLE ENERGY

Current products offered by Boston CCE (rates valid until December 2023)

Renewable Electricity Purchases (Part 2)

Power Purchase Agreements

- 1. Owners that use Power Purchase Agreements (PPAs) for compliance with the Ordinance shall provide documentation demonstrating that the PPAs meet the requirements set in the Ordinance, as well as the following additional requirements:
 - **a.** The electricity was generated by non-emitting renewable sources and meet the RPS Class I eligibility criteria (except from the the geographic requirements of the RPS Class I).
 - **b.** The electricity generators are connected to an electric grid overseen by the North American Electric Reliability Corporation.
 - **c.** The electricity is from a project that begins commercial operation after a PPA is executed by or on behalf of the Owner of a covered Building.
 - i. This timing requirement will not apply to Owners that join an existing eligible PPA that was executed by a different Owner in accordance with this provision.
 - d. PPAs that satisfy these criteria may be used for compliance with the Ordinance for the original term of the PPA.

Renewable Electricity Purchases (Part 3)

Local Renewable Generation



Electricity acquired from non-emitting electricity generating systems is eligible as a compliance mechanism regardless of (i) who owns the electric generating system and (ii) whether or not the corresponding Renewable Energy Certificates are retired by or on behalf of the Owner, provided that **one** of the following conditions are met:

i. (a) the system is a solar generating system; (b) it is located in Eversource's Eastern Massachusetts territory; (c) the system began operation prior to 2024; and (d) the Owner or tenant(s) of a covered Building first began to acquire electricity from the solar generation system prior to 2024.

OR

ii. (a) the Owner or tenant(s) of a covered Building acquires electricity from a non-emitting renewable electricity generating system and (b) the generating system is located in the City of Boston.

Blended Emissions Standards Draft regulations key features

Blended Emissions Standards

Procedures to opt-in, update, and opt-out of using a blended emissions standard

- Owners may update or opt-out of a blended CO2e Emissions standard in **2026**, for the 2025 compliance year, and during **each subsequent Verification Year**.
- If a blended emissions standard is updated due to a change of primary use(s) before a Verification Year, building owners must submit the updated blended CO2e emissions standard and new documentation verifying the qualification of each primary use in annual reports to the Commission.
- For the purposes of calculating a building's blended emissions standard, the square footage of all non-primary uses shall be aggregated and added to the square footage of the largest primary use.
- If errors are identified, a revised standard may be submitted. A variation in area of primary use(s) of 2% or less shall not be considered an error, so long as the sum of areas of primary uses equals the total gross floor area of the Building.



Next Steps

Additional Stakeholder Engagement

- Scheduling working group meeting on district energy.
- Continuing meetings and engagement with Community Leads and their residents and members.
- Additional meetings can be scheduled upon request.



BERDO Proposed Next Steps

- Revise draft regulations to reflect any modifications requested by the Commission.
- Proposed Schedule:
 - October 20 November 10 *Proposed* First Comment Period on revised Phase II regulations
 - November 16 APCC Hearing: discussion of public comments and proposed revisions. Option to open Second Comment Period at discretion of the Commission.
 - December 14 APCC Hearing
- If approved by the Commission, draft regulations and related materials will be posted on <u>boston.gov/berdo-regulations</u>.

Commission Q&A

Commissioners may discuss and ask staff questions.

Acceptance of the Meeting Minutes

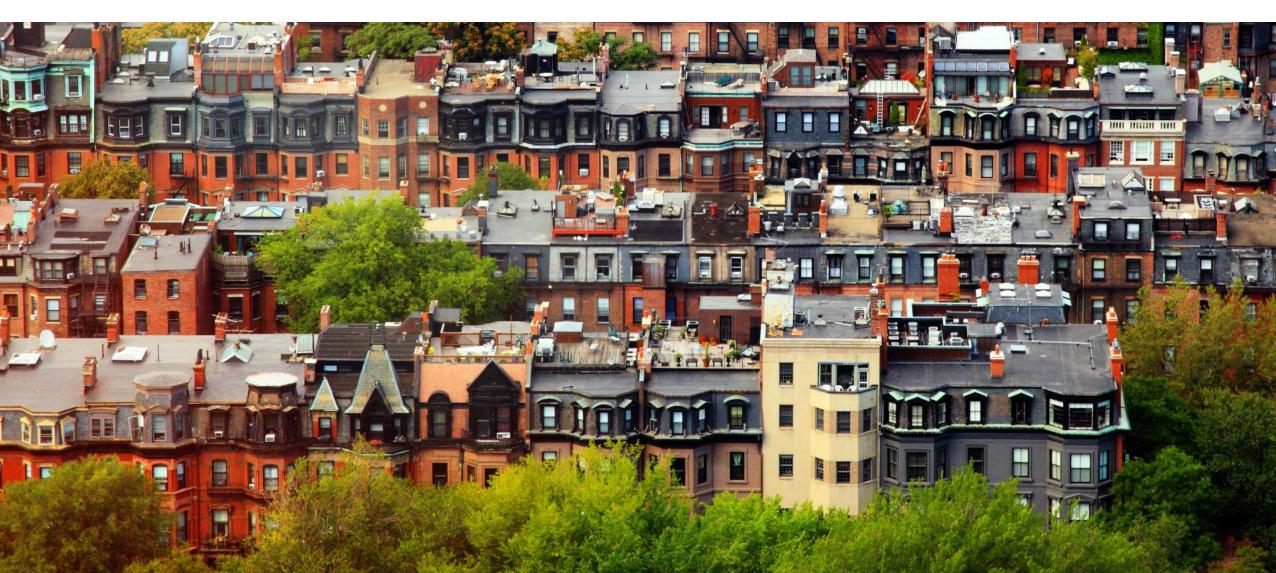
Public Q&A

Members of the public may submit any comments or questions by "raising their hand" or typing in the chat box.

Commission Motion & Vote Acceptance of the July 20 Meeting Minutes



Thank you for your participation!



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