# Manchester-by-the-Sea MBTA Communities Act Task Force

MIT Research Presentation December 7, 2023 Agenda

- Class Context
- Manchester-by-the-Sea Today
- MBTA Communities Act Implementation
- Speculative Design Concept of the Station Area
- Infrastructure Considerations





Agustina R. Biasone Law & Urban Policy



Ana Letelier Resilience, Community Engagement



Emma Heneine Health & Sustainability



Hazel O'Neil Public Space & Services



Annabel Consilvio Design & Community Development



McKenzie Humann Sustainable Transportation



Claire Gorman Computing & Environmental Design



Melissa Hill Healthy Communities



Elisha Zhao <sub>Climate</sub>



Emily Fang Climate Resilience



Nolen Scruggs Housing & Climate



Pancho Mackin-Plankey Housing & Sustainability



Sanne Wright Housing & Community Development



Sally Oh Equity & Climate



Seamus Joyce-Johnson Sustainable Transportation



Nineveh O'Connell

**Equitable Access** 

Tiandra Ray Climate Resilience



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#### **Class Context**

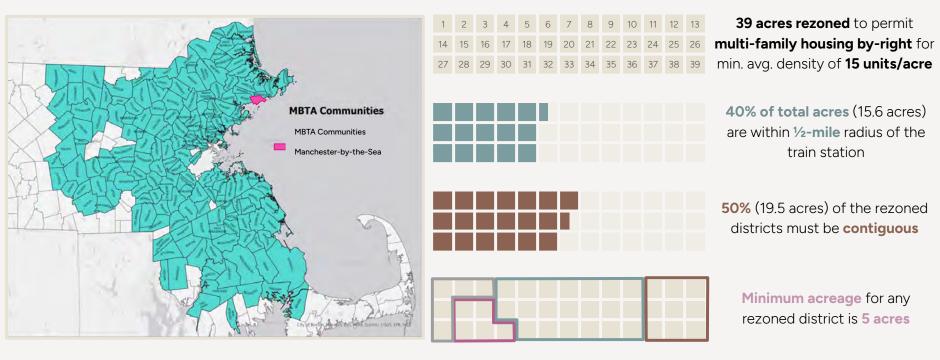
MIT's Department of Urban Studies & Planning offers **11.360 Community Growth & Land Use Planning** every other year to support communities in Greater Boston facing a planning challenge related to growth & change. Class Timeline September–December 2023

#### Instructors

Jeff Levine & David Gamble

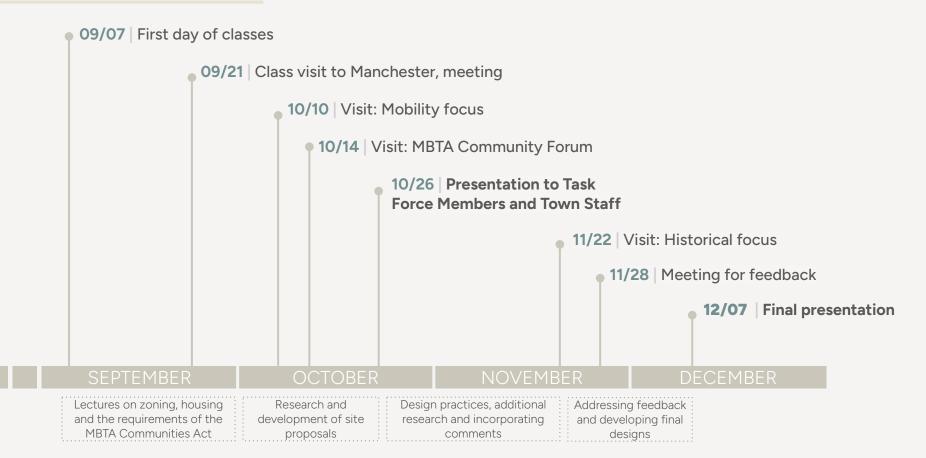


### Fall 2023 Focus: Compliance with the MBTA Communities Act



585 units of cumulative housing permitted

#### Semester Timeline



#### In Our Last Presentation...

- Where would you most like to see new growth in Manchester?
- What characteristics of Manchester today are most important to you to preserve?
- How do you imagine Manchester in the future? What are your priorities to achieve this vision?



#### What We've Heard: Town Priorities

- Respecting the Town's **character**
- Preserving the **historic** district
- Adjusting parking & **mitigating** traffic congestion
- Ensuring minimal impact on **water** & sewage system
- Increasing affordable housing







## Our Approach: Principles for Rezoning



# Align design proposals with town character & promote community connection through open space & housing.

#### Prioritize preservation of the historic district,

& harmoniously incorporate development.

2.

Assess influence on the broader mobility

- landscape, addressing needs & promoting efficient & sustainable systems.
- 4. Incorporate water & sewage impact analysis for **responsible resource management**.

Contribute to an increase of affordable

 housing options, promoting inclusivity & addressing the Town's diverse housing needs.



## Manchester by the Sea Today



# Manchester-by-the-Sea is a Great Historic Town



### With a Beautiful Waterfront



### And Many Great Spaces



# **MBTA** Communities Act Implementation



### Zoning Overlay District Recommendations

|                         | Multifamily Residential Overlay   | Mixed-Use Development Overlay                                 |  |
|-------------------------|---|---|--|
| Lot Size &<br>Selection | No minimum lot size<br>50% maximum lot coverage for lots<br>>10,000 ft <sup>2</sup> ; 70% for lots <10,000 ft <sup>2</sup><br>Mix & match sites to meet MBTA<br>Communities Act | Recommended around MBTA Commuter<br>Rail Station              |  |
|                         |   | Can be used for ¼ of unit allowance (146<br>for Manchester)*  |  |
|                         |   | State pre-approval required 90 days ahead of Town vote*       |  |
| Building<br>Makeup      | Develop 15 units/acre by right* with no fewer than 3 units/parcel   | Non-residential use on ground floor (up<br>to ⅓ of building)* |  |
|                         | Develop up to 3 stories   |   |  |
| Parking                 | No minimum for residential use  | No minimum for non-residential use*                           |  |

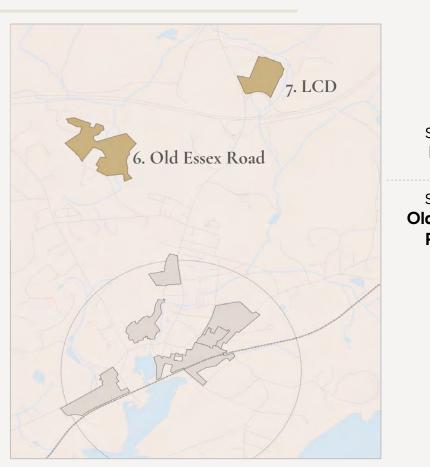
\*Indicate zoning requirements by the State.

7. Limited Commercial District (LCD)

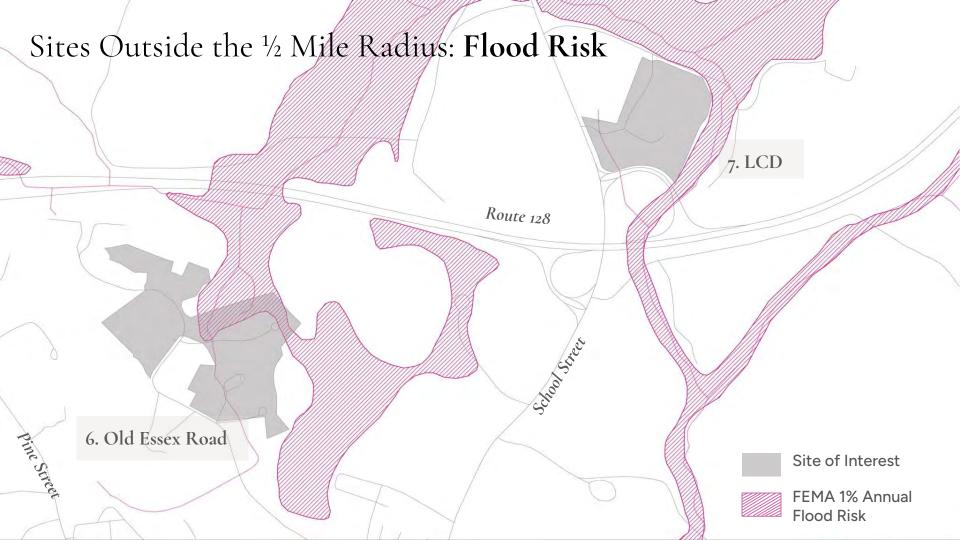
### **Overall Map of Sites**

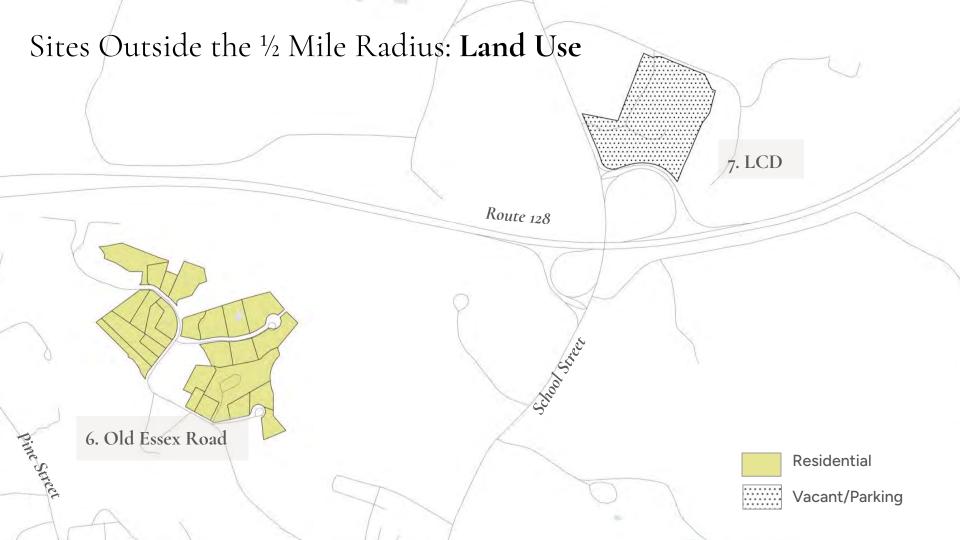


### Site Overviews: Outside the 1/2 Mile Radius



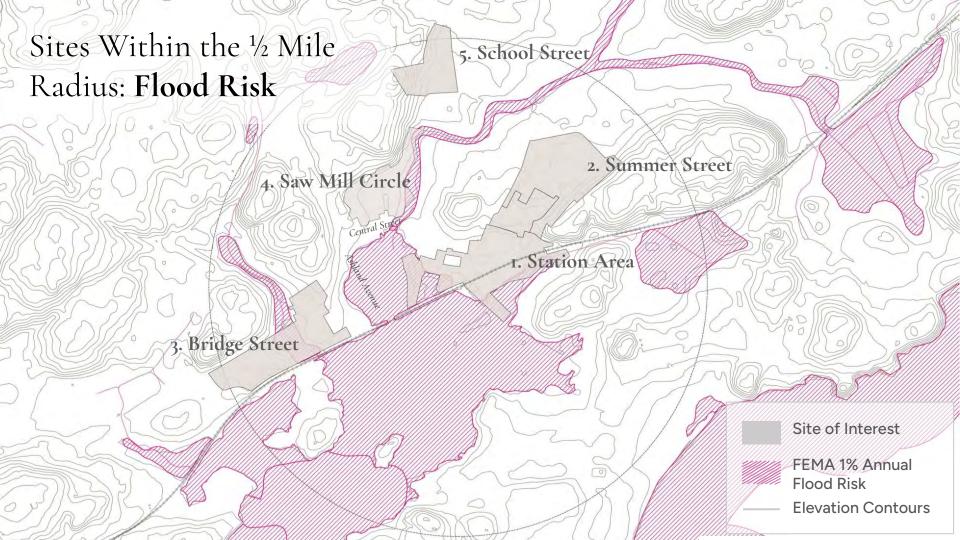
|                            | Existing<br>High<br>Density | Available<br>Land to<br>Develop | Within<br>Historic<br>District | Acreage |
|----------------------------|-----------------------------|---------------------------------|--------------------------------|---------|
| Site 7:<br>LCD             | <b>√</b>                    | X                               | X                              | 13      |
| Site 6:<br>d Essex<br>Road | X                           | 1                               | X                              | 22.5    |





#### Site Overviews: Within the 1/2 Mile Radius

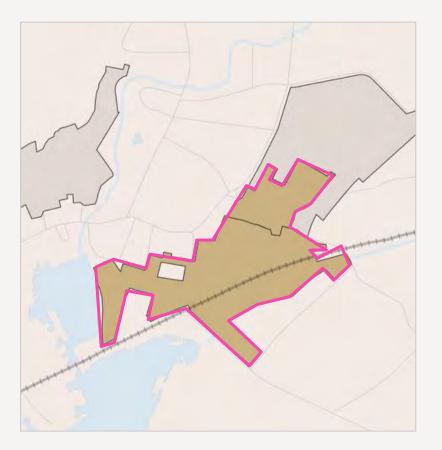






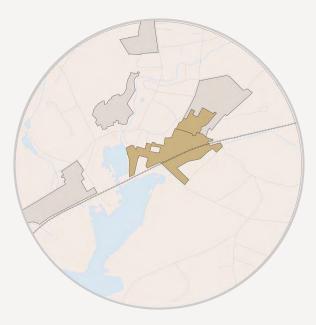


### Key Takeaway: Opportunity for Redevelopment of Station Area

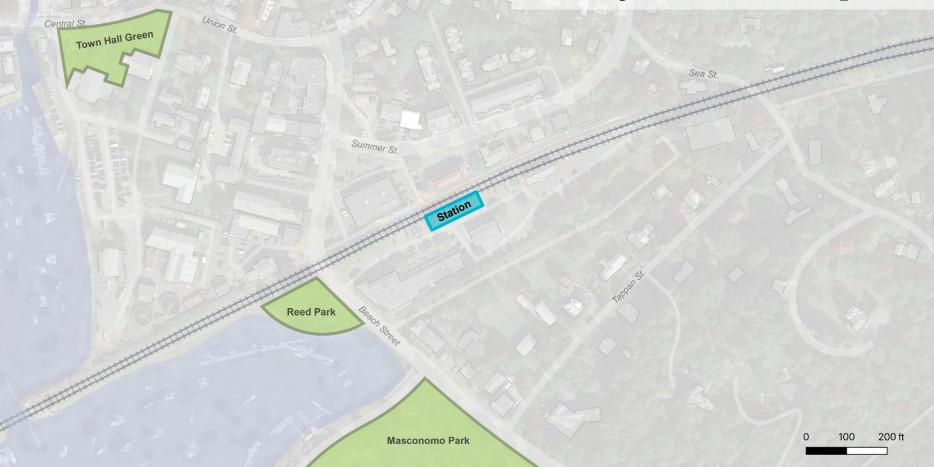


- Prime location for transit-oriented development with access to & views of the beautiful waterfront
- Diverse land uses & commercial core are desirable for new development
- Flood risk requires mitigation, including replacing existing impervious surfaces with permeable surfaces & green spaces
- Surface parking around train station exacerbates flood risk & does not contribute to the Town's beauty

# Speculative Design Concept Introducing a Revitalized Station Area



# Washington St. Existing Public Green Spaces



# Existing Public Green Spaces & Building Frontage

Sea St.

rappan St.

Summer St.

**Reed Park** 

Washington St.

**Building Frontage** 

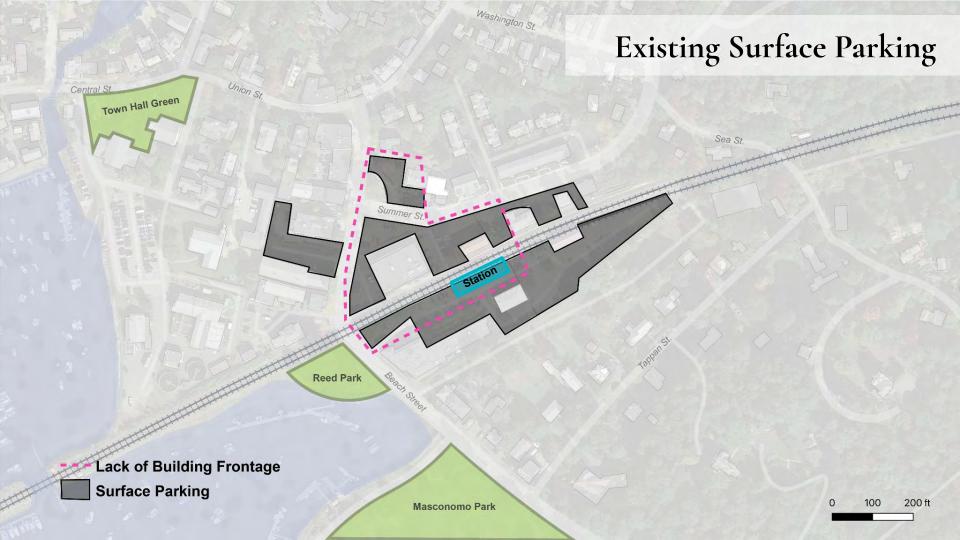
Central St

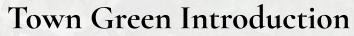
Town Hall Green

Masconomo Park

Station

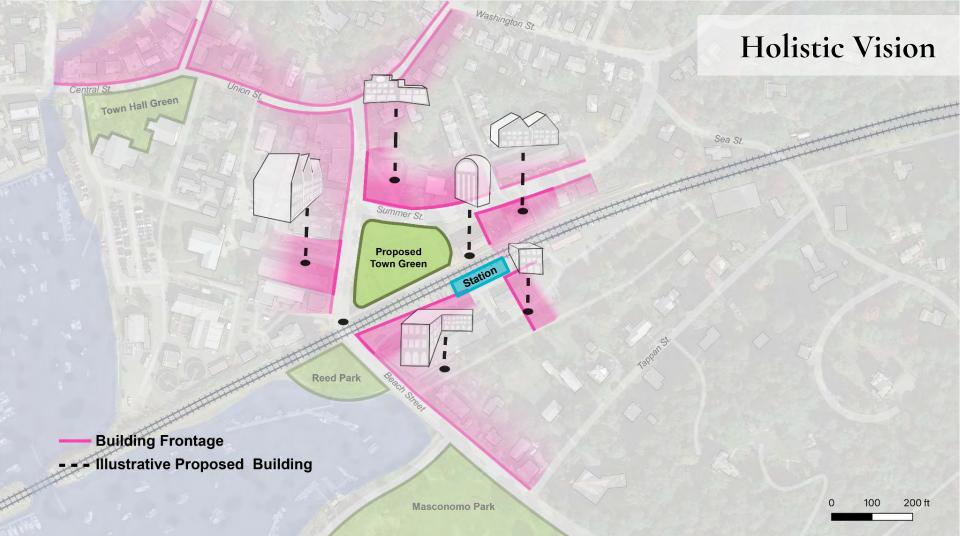








Washington St.



#### Public Spaces Serve as Focal Points Across Towns in Massachusetts





THE SQUARE, MANCHESTER-BY-THE-SEA, MASS.



Manchester by the Sea. Mass, Vachts In Lower Harbor

Co.

charwon

Revitalizing the Station Area Design Concept

# Imagining a vibrant town green that creates opportunities for connection

# Imagining a vibrant town green that supports local businesses

# Imagining a vibrant town green that meets Manchester's housing needs



# Building Considerations: Massing

#### 5 buildings with 3 stories each

Height of 30-34 ft\*, meeting Multi-Family & Mixed-Use Development Overlay



\*Assuming floor-to-floor height of 10 ft. for residential floors and 14 ft. for commercial floors.

# Building Considerations: Housing

#### 122 residential units\*

**23 units/acre**, which exceeds the MBTA Communities Act mandate

\*Assuming 80% floor plate efficiency and 1,000 ft²/unit.



# Building Considerations: Parking

#### 260 parking spots

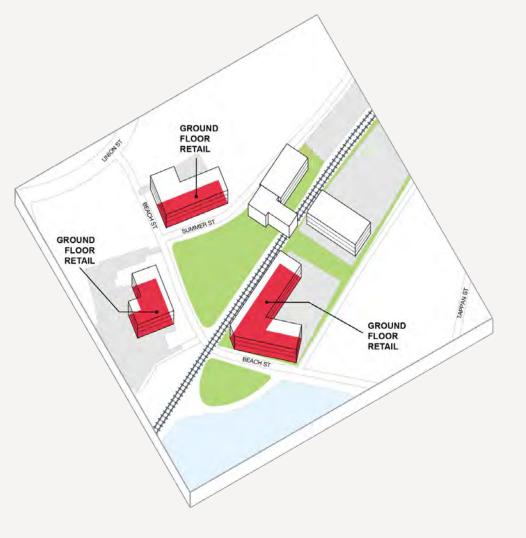
1 spot/housing unit + 138 parking spots\* for grocery store, community center, & train commuters



\*Existing conditions lot has ~70 parking spots. This design has extra parking spots, and could accommodate more residential density.

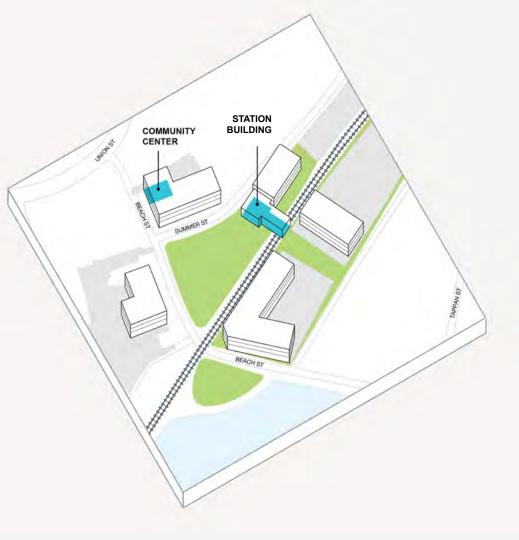
# Building Considerations: Retail

#### Total gross **retail floor area of 44,300 ft<sup>2</sup>**.



# Building Considerations: Civic

**Community Center** is more proximate to **Town Hall**, while **Train Station** overlooks the Town Green

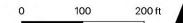


# First-Floor Retail Storefronts

UNION ST

BEACHST

APEL LN





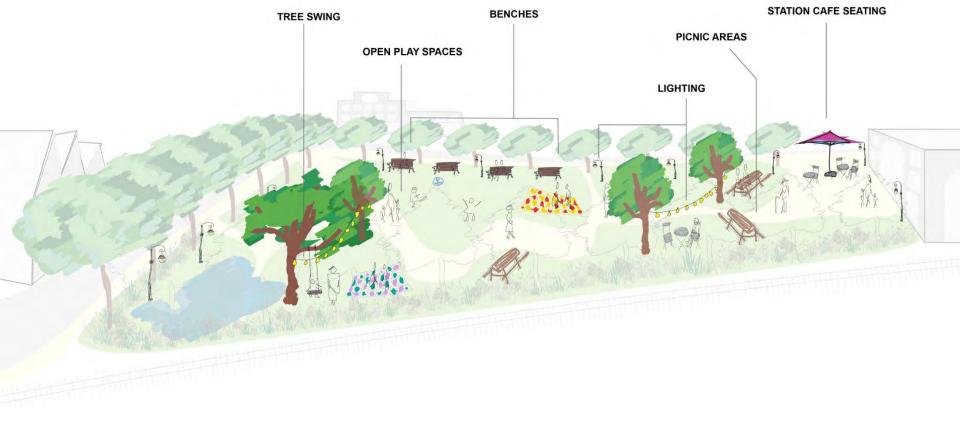
# Town Green Visions: Environmental Resilience



# Town Green Visions: Events & Community Gathering



# Town Green Visions: Recreation & Leisure



# Town Green Visions: Vibrant Town Center



"Manchester by the Sea, Mass, Vachts In Lower Harbor

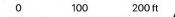
# How could we get here?

# Hypothetical Phasing Plan

UNION ST

BEACHST

CHAPEL LN



BEACHST

UNION ST

CHAPEL LN

Remove gas station New grocery store New community center 2 floors of housing SEA

# PHASE 2 - Remove bank and small stores

SEA

100

0

200 ft

- New station building
- New cafe

SUMMER

BEACHST

UNION ST

CHAPEL LN

- Commuter rail parking 3 floors of housing

BEACHST

SUMMER

UNION ST

CHAPEL LN

Remove stores, office buildings
First floor retail replacements
2 floors of housing store

0

SUMMER S

BEACHST

UNION ST

CHAPEL LN

- Remove community center
- Additional commuter rail parking

0

SEA ST

- 3 floors of housing

BEACHST

SUMMER

UNION ST

CHAPEL LN

Remove grocery store Create town green

SEA

0

100

200 ft

SUMMER

BEACHST

UNION ST

CHAPEL LN

- Remove existing stores
- First floor retail replacements
- Additional parking for town green

0

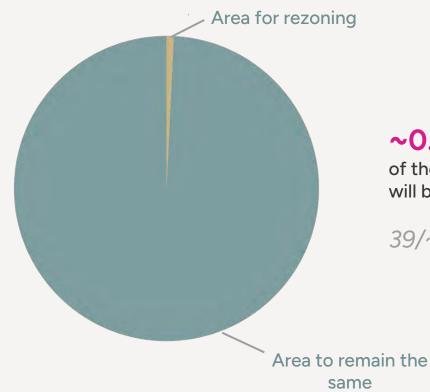
100

200 ft

- 2 floors of housing

# Infrastructure Considerations

# Rezoning Impact: Understanding the 39 Acres in Manchester

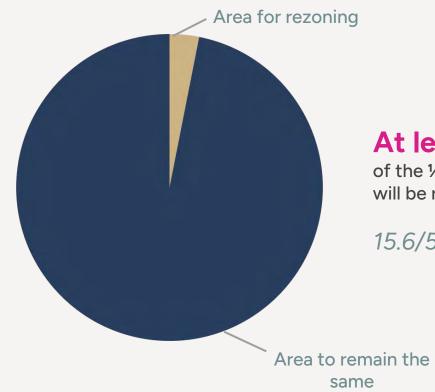


#### ~0.76%

of the **total area in Manchester-by-the-Sea** will be rezoned

39/~5120 acres

# Rezoning Impact: Understanding the 15.6 Acres Around the Station



#### At least 3.1%

of the <sup>1</sup>/<sub>2</sub> mile area around the Commuter Rail Station will be rezoned

15.6/503 acres

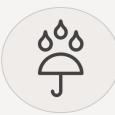
# Rezoning Impact: Flood Mitigation



Direct development in areas with less flood risk.



New development should **reduce impervious surfaces** to improve water circulation & **set elevation heights** for new construction in floodplains.

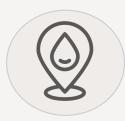


Incentivize residents to flood-proof their homes.

# Rezoning Impact: Water & Sewer



Water & sewer systems face challenges from increasing flood risk, but **modest upzoning poses no additional strain**.



**Avoid disruptions to watersheds** feeding Gravelly Pond & the Lincoln Street Well.



Many Manchester homes utilize **septic systems** instead of sewer.

# Rezoning Impact: Traffic & Parking

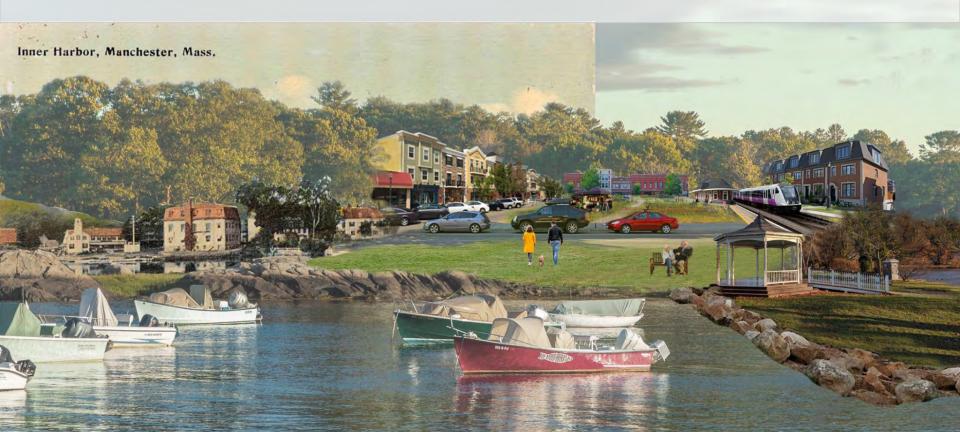


Only 58% of Manchester residents commute alone by car.<sup>1</sup> Future development can **build on the Town's existing public transit & walkability** to reduce overall car reliance.



With the exception of peak hours on summer weekends, downtown **Manchester has surplus parking capacity.**<sup>2</sup>

<sup>1</sup>2021 US Census American Community Survey 5-year Estimates <sup>2</sup>2023 MAPC Parking Study











# Thank you!

