# Reinventing Kendall Square for the 21<sup>st</sup> Century

**Building form workshop** 







KENDALL SQUARE ADVISORY COMMITTEE MARCH 9, 2012



## **Agenda**

- Draft building form framework: what we heard from you
- Updated building form framework
  - Kendall Square
  - Transition Area
- Discussion









## Draft building form framework: What we heard from you

- Proposed office and research floorplates: need to reflect balance between market realities and community-building urban design
- Need to achieve same balance for new generation of housing floorplates
- Need practical approach to achieve "streetwall" heights
- How Cambridge makes growth work for everybody...need to understand order of magnitude of community benefits associated with increased heights



#### Three height thresholds: Streetwall...

- Frame streets as outdoor rooms to support their perception and use as public spaces
- Create an appropriate pedestrian scale
- Relate new development to scale of context buildings
- Streetwall: up to 80'/85' (was 75')
- 16' step-back at datum height
- Main, Broadway, Third, Volpe park: 80' datum
- Binney: 85' datum
- Typically accommodates active ground floor plus up to 4 floors research/office or 6 floors housing











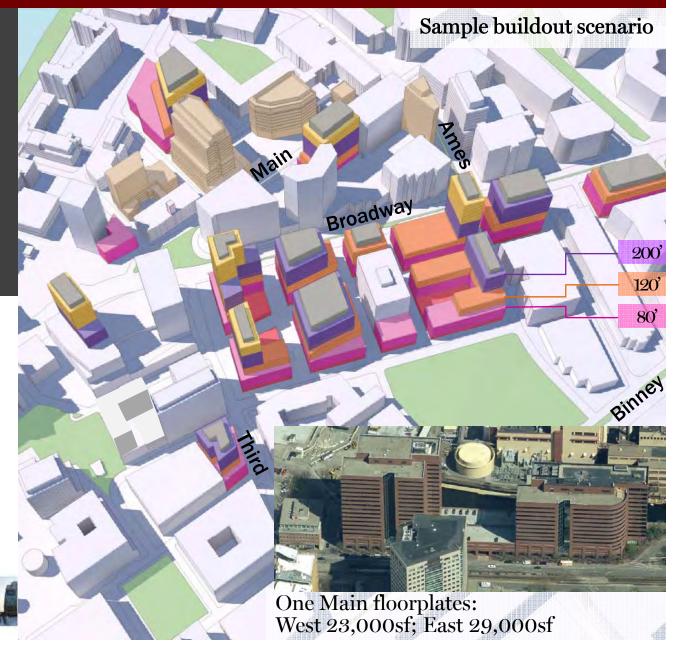
#### Three height thresholds: Intermediate...

#### **GUIDING PRINCIPLES**

- Accommodate significant additional research and housing development
- Leverage future development to provide community benefits such as enhanced parks and plazas, local retail, affordable housing
- Produce variety of building height and massing to enhance aesthetics, place-identity

#### Intermediate: Streetwall to 200'

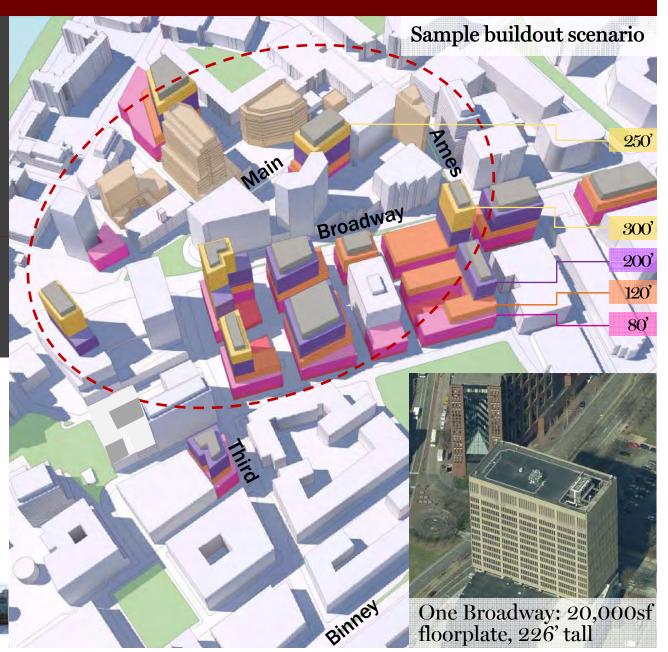
- Floorplate limits
- Streetwall to 120' tall: up to 30,000sf (was 25,000sf), 240' length limit (accommodates prevailing research configurations)
- 120' to 200' tall: up to 25,000sf (was 15,000sf between 150' and 200'), 160' length limit



#### **Three height thresholds: Tallest**

- Locate added intensity where infrastructure and mixed-use concentrations best support it

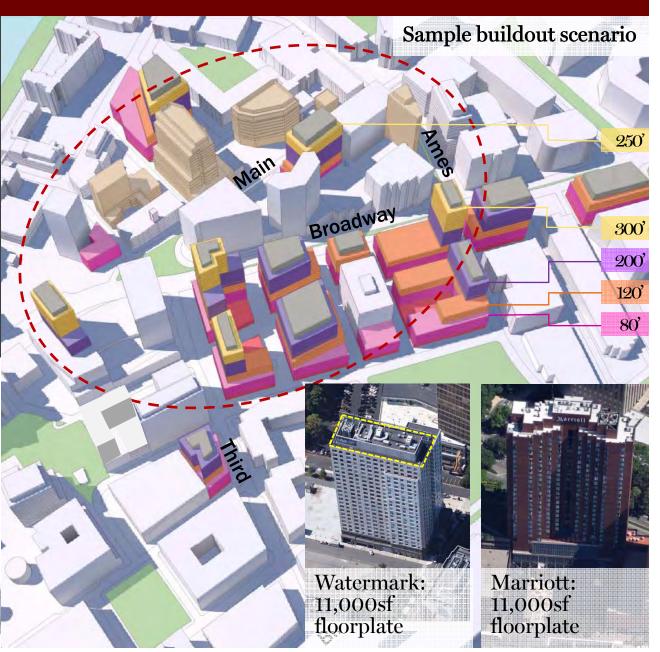
   and vice-versa
- Physically define the center of Kendall Square to improve place identity
- Leverage future development to provide community benefits
- Produce variety of building height and massing to enhance aesthetics, place-identity
  - Tallest: 200'-300'
- Within 2 blocks or 800' of T
- 20,000sf floorplates allowed up to 250' height if extended down to stepback at 160' height or below (was 15,000sf); 160' length limit
- Floorplate limit otherwise: 8,000sf (was 6,500)
- Housing, added community benefits required above 250'
  - mited number of building



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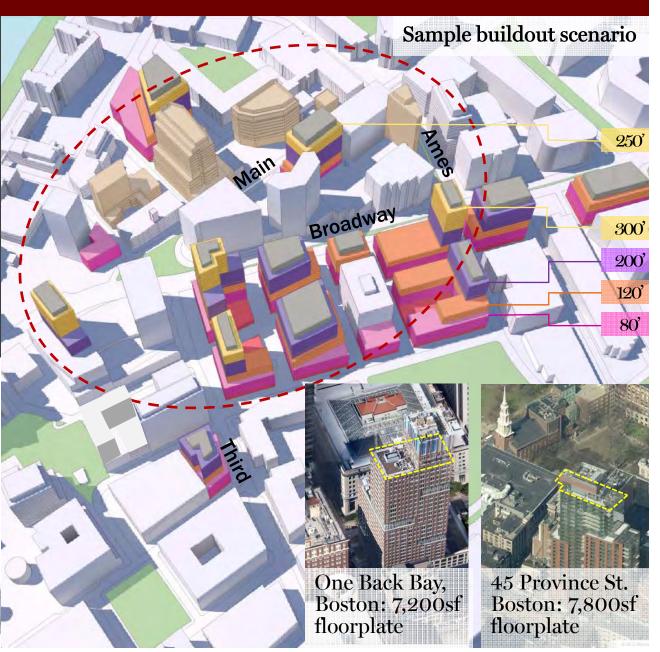
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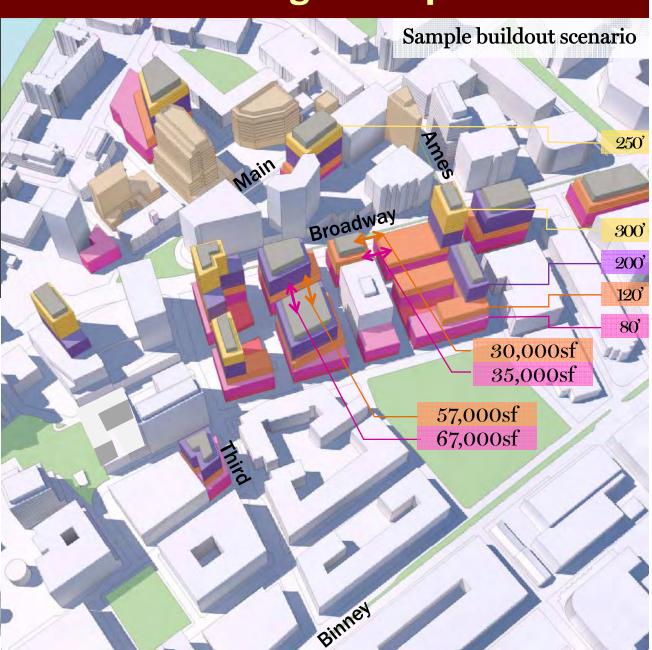


#### **Upper floor connections enable larger floorplates**

#### **GUIDING PRINCIPLES**

- Connections should serve internal tenant circulation rather than diverting public circulation from street level
- Not over primary streets
- Majority of exterior should be glazed
- Integrated with building architecture

Floorplates of 35,000-70,000 possible











#### Community benefits may take a variety of forms

Examples of potential benefits in return for potential increase in density and/or height: support for...

- Parks/public spaces
- Active ground floors
- Workforce readiness programs and education
- Housing production and affordability
- Superior sustainability performance
- ...and of course, expanded transportation alternatives and demand management



## Leveraging height for community benefits

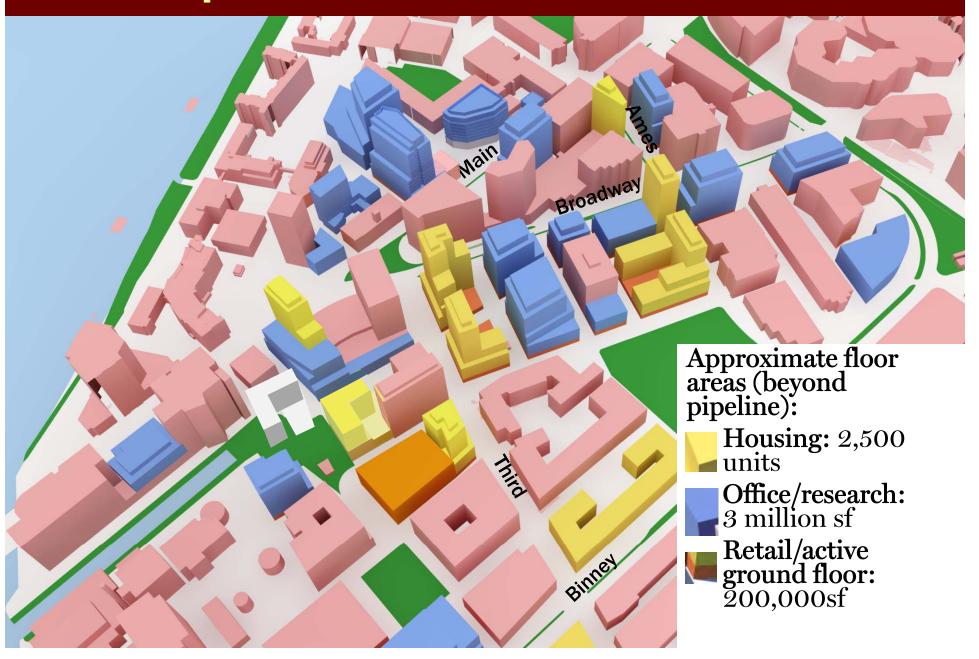
- Housing
  - Assumptions:
    - Leverage 5 floors of added housing value from 250' to 300' height
    - 7 units per floor

Several hundred thousand dollars per floor (after accommodating standard affordable housing inclusion requirements)

- Rental lower end of range
- Ownership higher end of range
- Office and research...at top of this range or higher



#### **Use mix: potential**



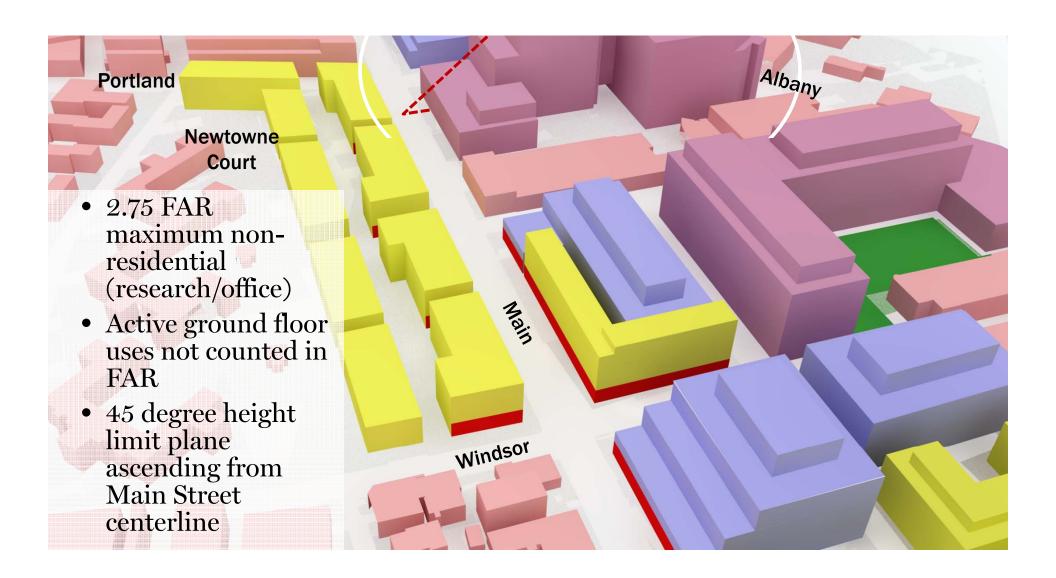




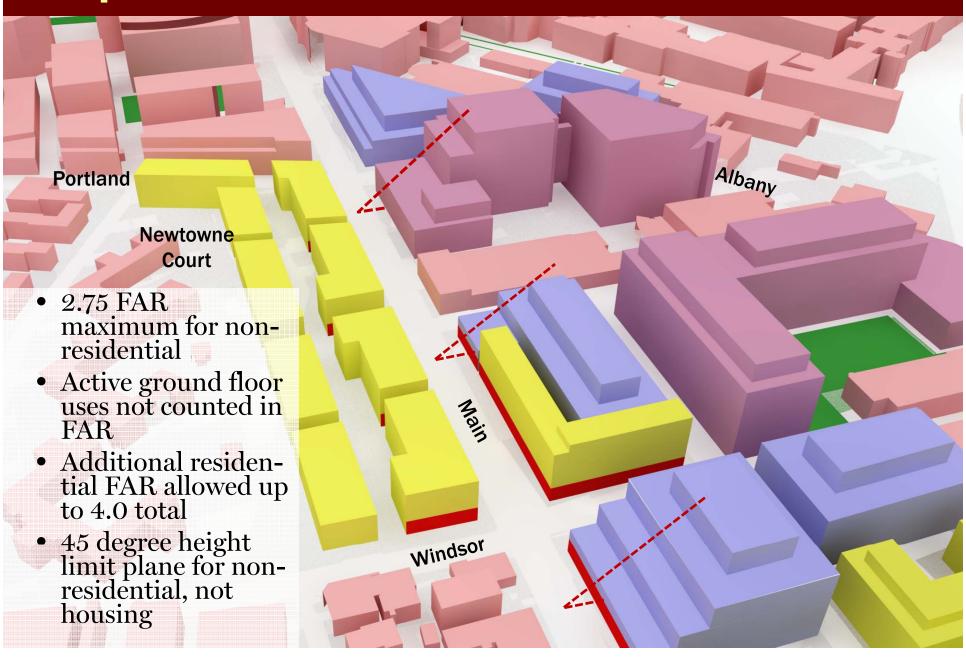
## **Existing conditions: south of Main**



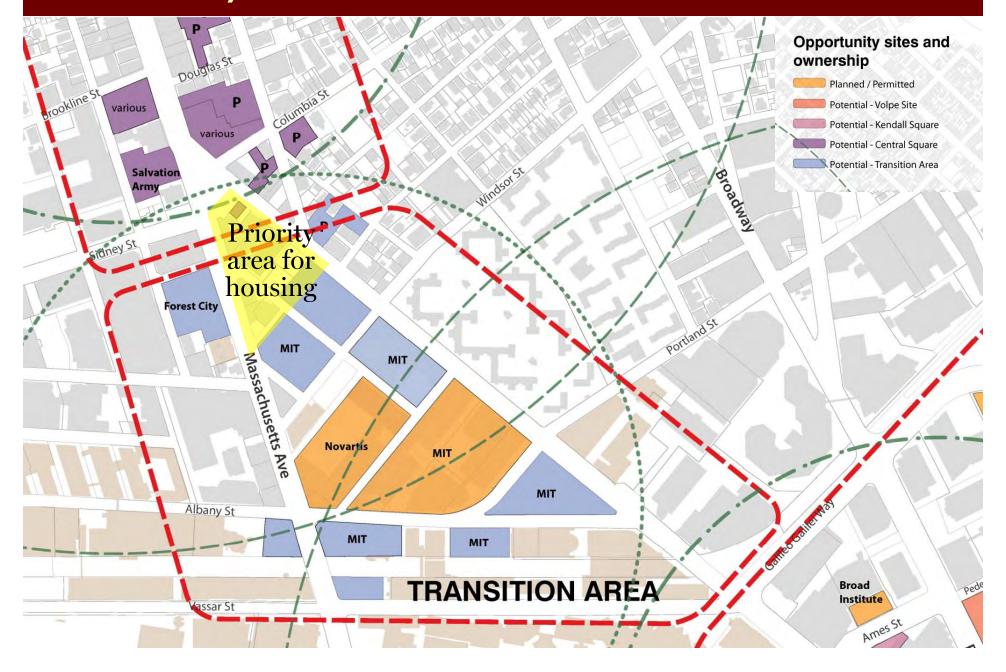
## 610 Main precedent



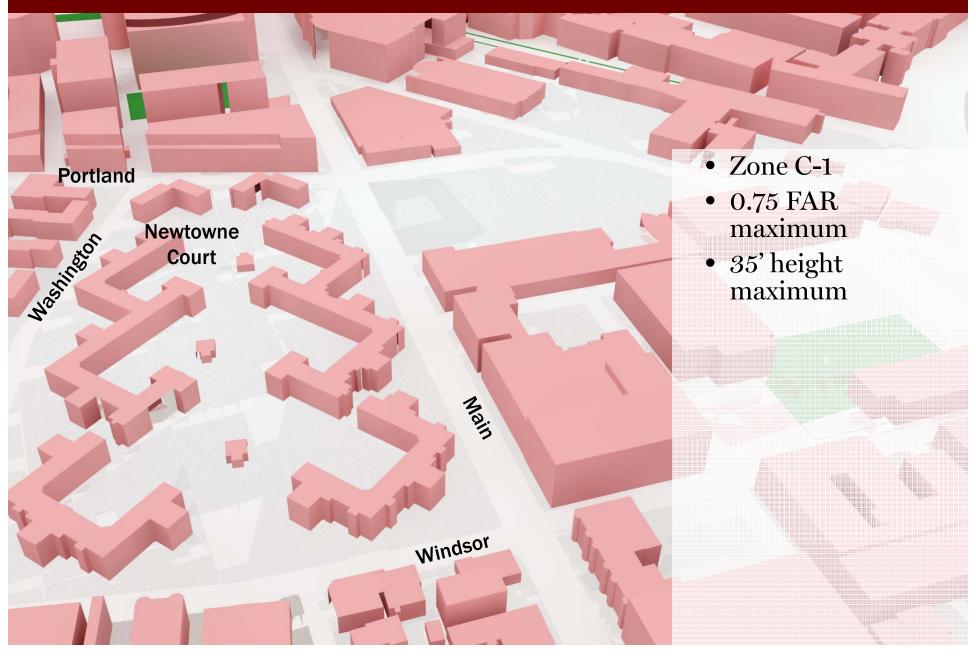
## **Proposed framework: south of Main**



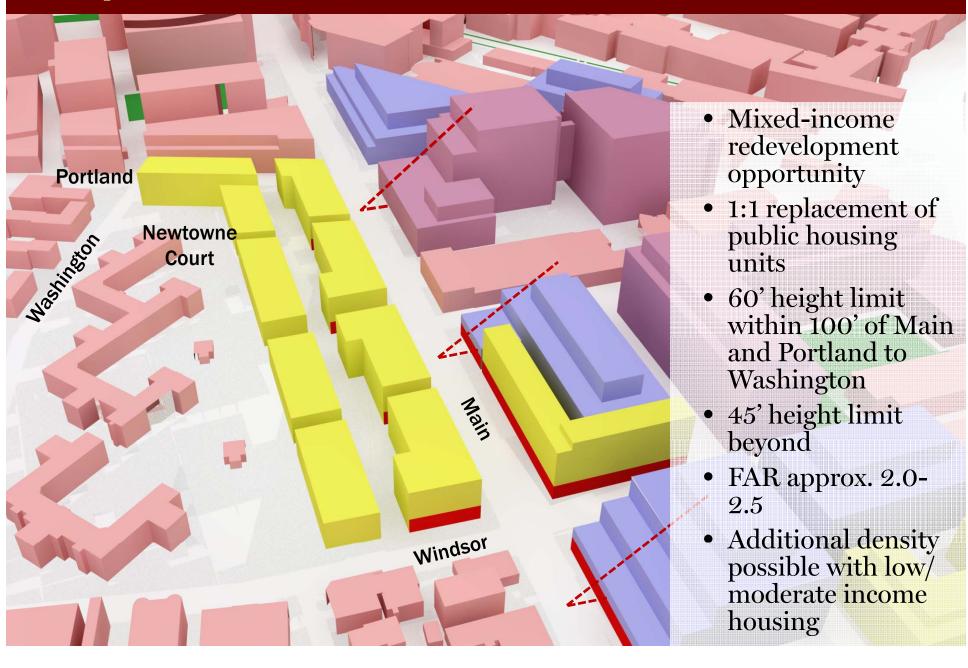
#### Research/office restricted west of Windsor



## **Existing conditions: north of Main**



## **Proposed framework: north of Main**



#### **DISCUSSION**











