Land Development Code Dimensional Requirements

A review based on "Enabling Better Places: A Zoning Guide for Vermont Neighborhoods"

July 3, 2024 – Community Development Department



"Missing Middle" Housing

- Based on Vermont's pre-1945 development pattern
- Types include:
 - accessory dwelling units (ADUs),
 - duplexes
 - small-scale multi-household buildings
 - neighborhood-scale mixed-use/live-work buildings
- common before local zoning codes began to separate different kinds of uses and building types.
- Many recent efforts to reverse this in recent years

7 NEW LOTS | >24 NEW UNITS | 1 NEW BUSINESS



Mixed Use: Fairfax, VT Reduced Setbacks: Williston, VT

Flag Lot: Barre, VT

Detached ADU: Burlington, VT

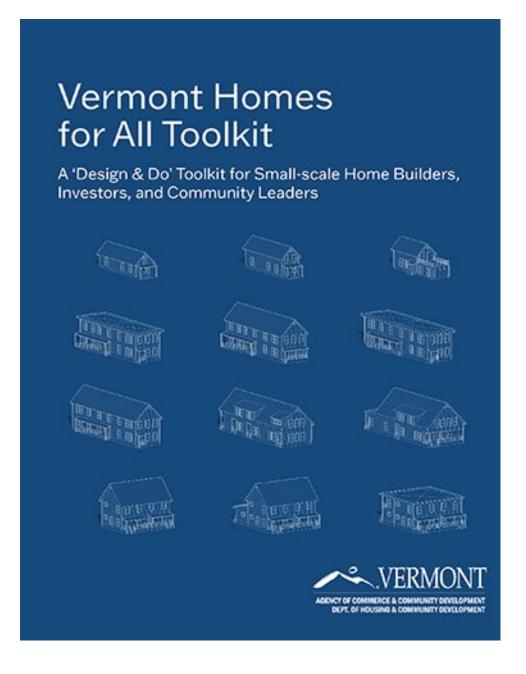
"Missing Middle" Housing in Essex Junction

- 2023 LDC Amendments attempted to enable / encourage "Missing middle" infill in R1 and R2 districts
 - Triplexes by right (updated to Fourplexes due to 2023 HOME Act)
 - Special design consideration- max 30% of frontage may be parking

Limited uptake so far

Vermont Homes for All Toolkit

- June 2023 Essex Junction applied to be a pilot community for this initiative
- Not selected, but still applicable



Missing Middle Homes Design Guide

Discovered Typologies

Starting with existing Vermont typologies observed during our initial site walks, we developed idealized versions.











Age-In-Place



Narrow Lot



Village



Side-by-Side



"Telescoping Home" **Aggregation Pattern**



Vermont Homes for All Toolkit utile









Example of Prototype Unit Design

Side-by-Side Plus One Plus Prototype

















Neighborhood Infill Case Studies

Rutland City



Site Plan & Buildout Visualization

- The building matches front setback norms along South Street
- Efficient side parking layout has an integrated ramp to the rear accessible unit and ample usable open space for each unit with potential for south-facing kitchen gardens.
- Other potential customizations: (1) deeper front porches to support a more social neighborhood front porch culture and/or (2) rear-facing second floor outdoor decks extending over the rear unit on the first floor.





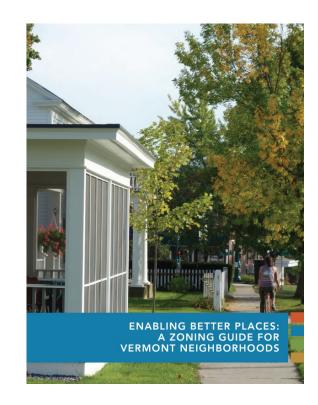






Enabling Better Places (2020)

- Guide for municipalities to support local bylaw updates for homes in walkable places.
- Recommends incremental changes to bylaws; sample language
- Encourages updating zoning for wider range of housing types in walkable, compact communities





Short-term fixes

1. Match minimum lot size to local pattern

2. Regulate coverage percentages carefully

3. Remove density caps

TOPICS OF REFORM

Dimensional Standards

Bylaws establish dimensional standards that restrict the physical size and spacing of buildings. Sometimes these standards are overly restrictive—inadvertently blocking some of the most desirable types of new housing in walkable places such as the construction of new infill buildings, even in areas where water and sewer service are available. Minor changes to dimensional standards can enable additional housing opportunities without undermining existing or desired neighborhood character.

Stage 1: Short-term fixes

1. Match minimum lot size to local pattern.



Most Vermont municipalities have applied rural or suburban lot standards onto older neighborhoods that have different characteristics, or where walkability is a goal. This can significantly limit the rights of lot owners to improve or enlarge buildings or to make changes such as adding more housing.

Bylaws should be amended to either eliminate minimum lot sizes or to ensure that existing lot sizes in a zoning district become the basis for the minimum lot sizes for that district. This would not require land to be rezoned except where a single zoning district with rural or suburban standards has been applied to land with very different existing characteristics.

2. Regulate coverage percentages carefully.



Coverage requirements can be useful, or counterproductive if the built outcomes aren't carefully considered. "Building coverage" is the percentage of a lot that can be covered by a building (sometimes referred to as maximum building footprint). "Lot coverage" is similar, but adds the area covered

by other impervious surfaces such as driveways and parking spaces. The proper percentage to be used for these caps can be determined by measuring the existing buildings and lot sizes in the surrounding neighborhood and calibrating accordingly, or measure other neighborhoods with the character you want for new development and replicating the percentages.

3. Remove density caps.



The dimensional standards provided by zoning (setbacks, building height, and sometimes building coverage) can be important to ensure that new buildings aren't oversized or out of character. Density caps (such as maximum units per acre) may be appropriate on rural land but in a walkable

settlement, where dimensional standards can be used to limit the size of new buildings, a density cap unnecessarily limits opportunities for smaller homes that are needed and that

are most likely to be affordable to a broader segment of the population. The size of a new building is already constrained by the dimensional standards; an additional density cap can make it impossible for a new building to provide the smaller housing units that are needed Whenever possible, eliminate artificial density caps from bylaws.

Align other dimensional standards with the existing or desired pattern.



Verify that other dimensional standards, such as minimum setbacks and maximum building heights, either match the existing built pattern or allow desirable evolution of that pattern. (See the <u>Resources Section</u> for instructions about how to conduct a Character Survey to determine revised dimensions.)

5. Remove requirements that forbid a second building on a lot.



Many bylaws allow only a single ('principal') building on a lot. Most lots are developed in this manner, but there are legitimate cases where more than one building might be placed on a single lot, for instance two single-family homes on an oversized lot, or two duplexes on a larger lot in a walkable neighborhood. Dimensional

standards and fire separation requirements (when used) already regulate the size and placement of buildings, so there is no need to arbitrarily limit each lot to one building.

Remove unnecessary architectural treatment requirements.



Some Vermont municipalities have design requirements aimed at creating architectural interest in new buildings. These requirements sometimes include mandatory vertical or horizontal changes in the facade (articulation), among other things, which are expensive to construct and often fail to

deliver the desired character; those requirements should be eliminated from most design requirements. Municipalities can prevent large, blank buildings by limiting the width of buildings and requiring a minimum percentage of glass on the facade.

17 PRIMARY RECOMMENDATIONS

Short-term fixes

4. Align other dimensional standards with the existing or desired patterns

5. Remove requirements that forbid a second building on a lot

6. Remove unnecessary architectural treatment requirements

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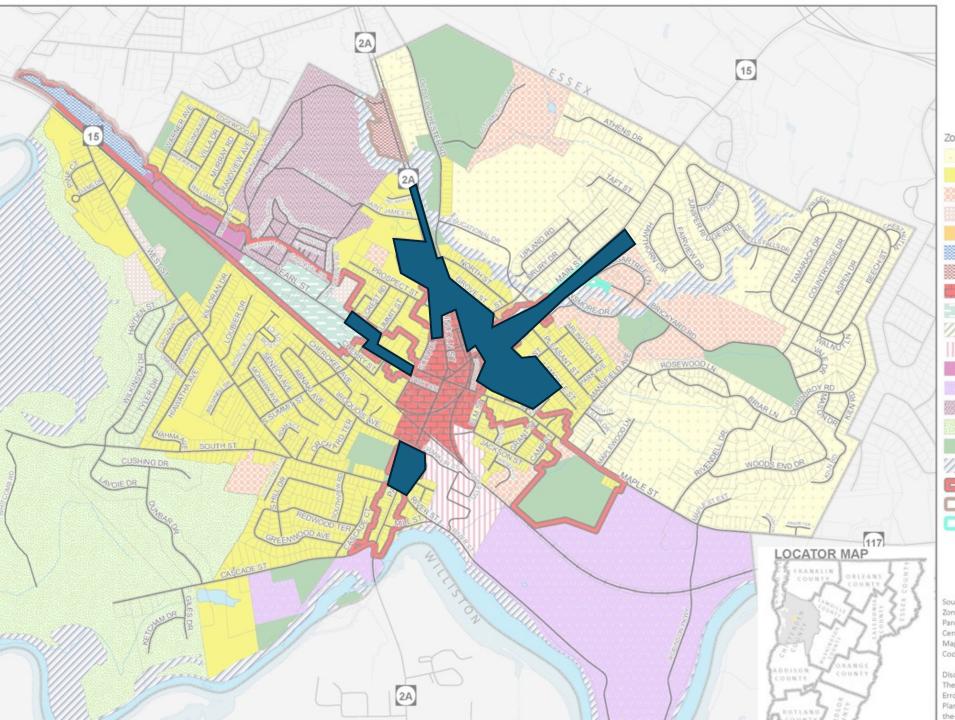
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City of **Essex Junction** Zoning Legend

Zoning District

















Open Space

/// Floodplain

Design Review & Historic Preservation Overlay

North Lincoln Overlay

Professional Office Overlay

1:15,000



Source:

Zoning- CCRPC, updated 2022 with Overlay

Parcels - 2021 updated through Vermont Parcel Program; Road Centerline - e911, 1/2019; Railroad - VTrans

Map created by P. Brangan using ArcGIS Pro. All data is in State Plane Coordinate System, NAD 1983.

The accuracy of information presented is determined by its sources. Errors and omissions may exist. The Chittenden County Regional Planning Commission is not responsible for these. Questions of onthe-ground location can be resolved by site inspections and/or surveys

Model Zoning Bylaw- "Neighborhood" District

- Intent: The Neighborhood District encompasses the blended density of residential areas adjacent to village, town and city centers.
- Neighborhood districts are intended to permit one, two three and four household residences as well as neighborhood commercial uses while complementing and connecting to the adjacent centers

TABLE 3 - DIMENSIONAL STANDARDS FOR STRUCTURES AND LOTS

Lot Widths	50' min., 100' max.
Setbacks	
Front	8' min., 12' max.
Side	5' min.
Rear	3' min. with rear lanes or 12' min.
Parking setback from building front	20' min
Maximum building height	2.5 stories
Maximum building width	40' per building
Maximum building coverage	% per site

[Numbers in **green** must reflect the character of the local context. Use the Character Survey below to determine the appropriate dimensions.]

- Ground floor stories exceeding 20 feet are considered two stories.
- Mezzanines exceeding 30% of the ground floor area are counted as a story.
- Upper stories exceeding 16 feet are counted as two stories, and an additional story for every multiple of 16 feet.

"Neighborhood" Zone Recommendations from Enabling Better Places

Setbacks	
Front	8' min., 12' max.
Side	5' min.
Rear	3' min. with rear lanes or 12' min.

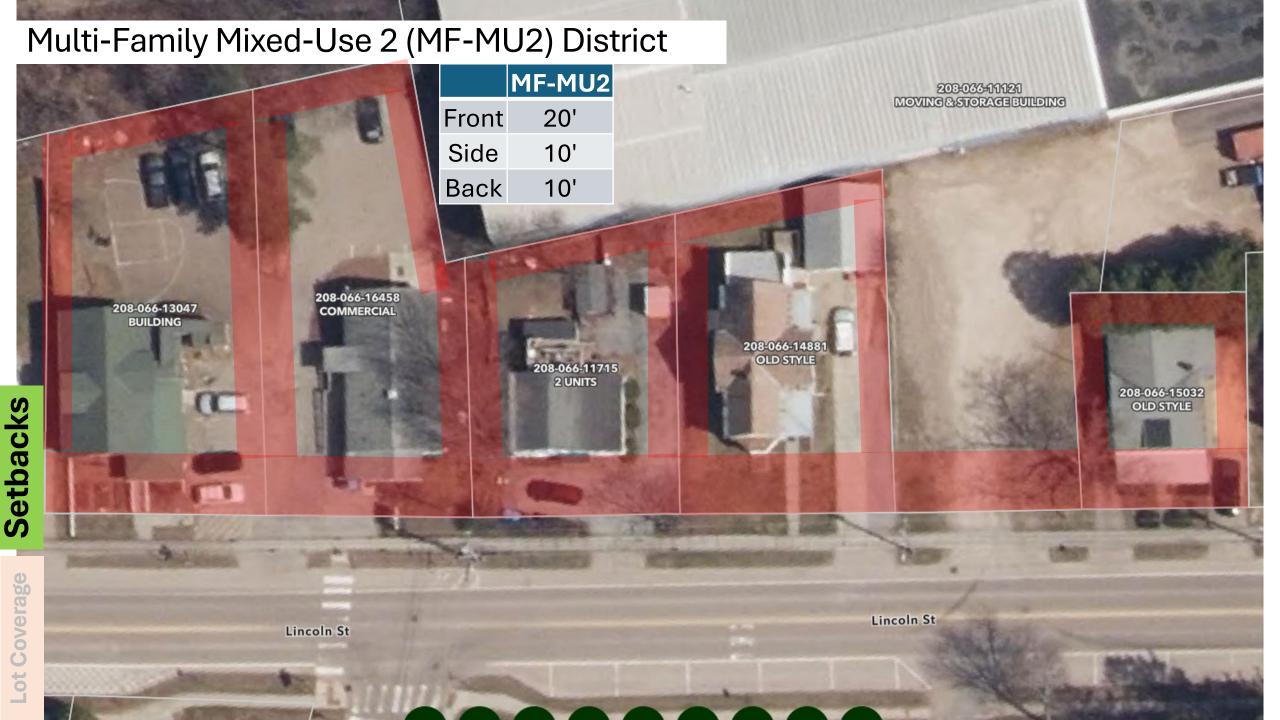
Current setback requirements in Essex Junction:

	Transition			Neighborhood		
	MF- MU2	MF3	RO	R2	R1	PA
Front	20'	30'	20'	15'	20'	30'
Side	10'	10'	10'	8'	8'	10'
Back	10'	10'	10'	25' (principal) 15' (accessory)	25'	10'



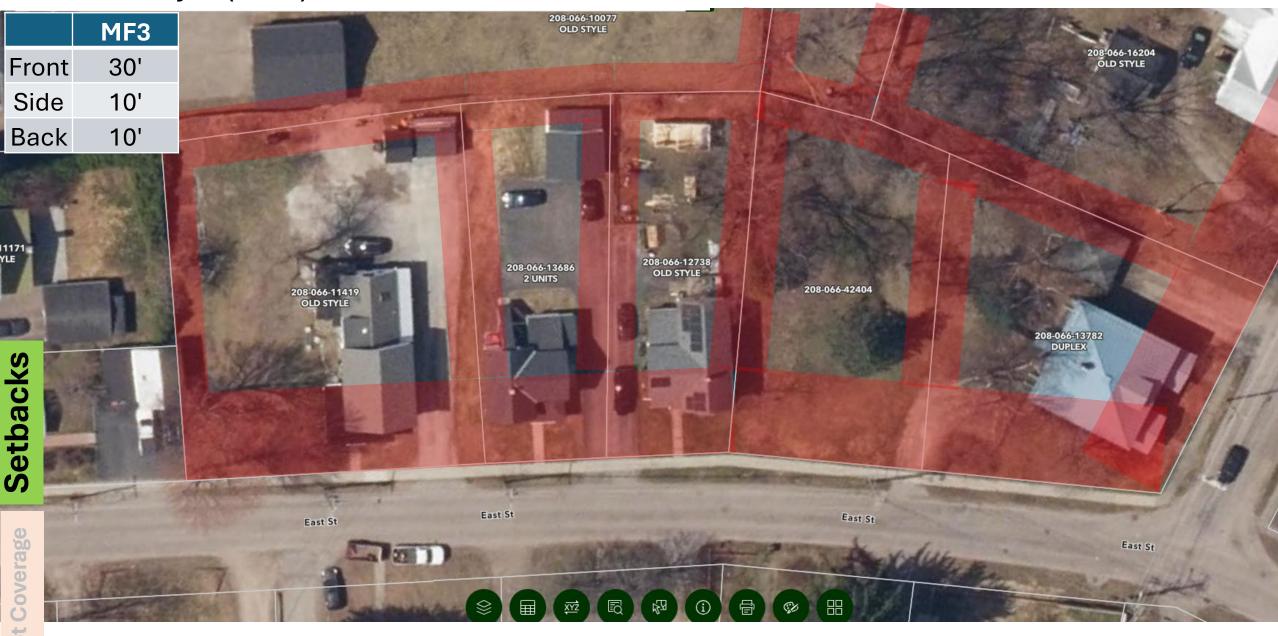




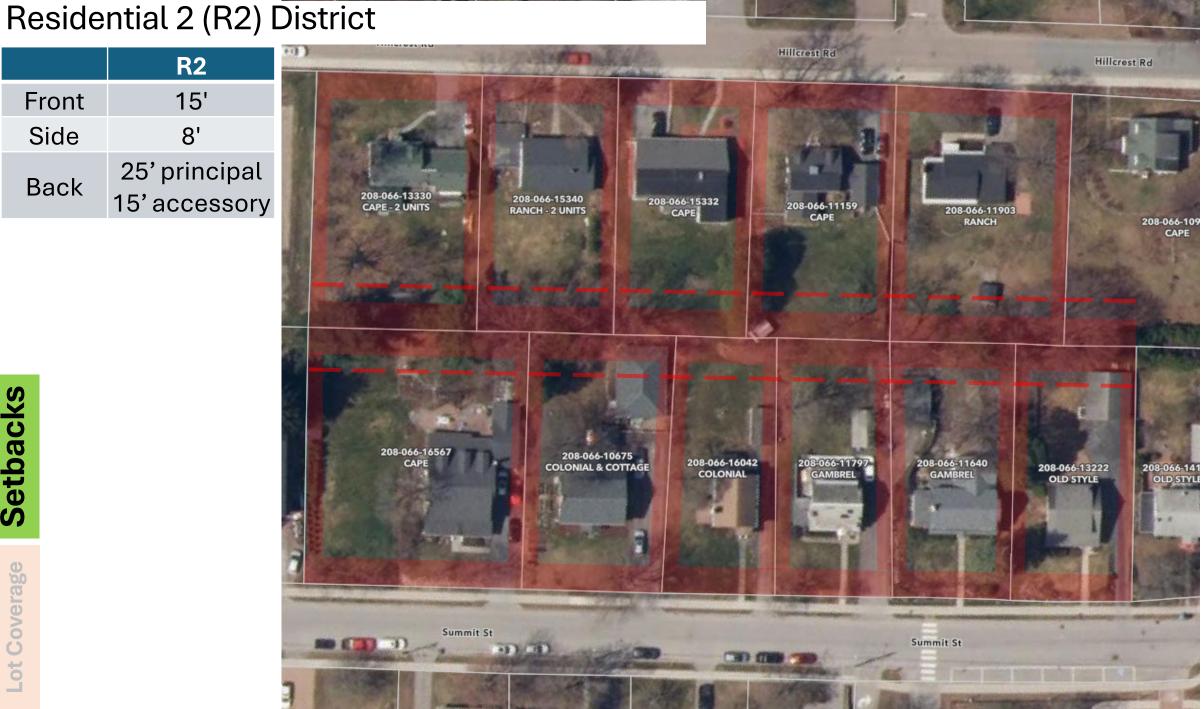




Multi-Family 3 (MF3) District



	R2
Front	15'
Side	8'
Back	25' principal
	15' accessory



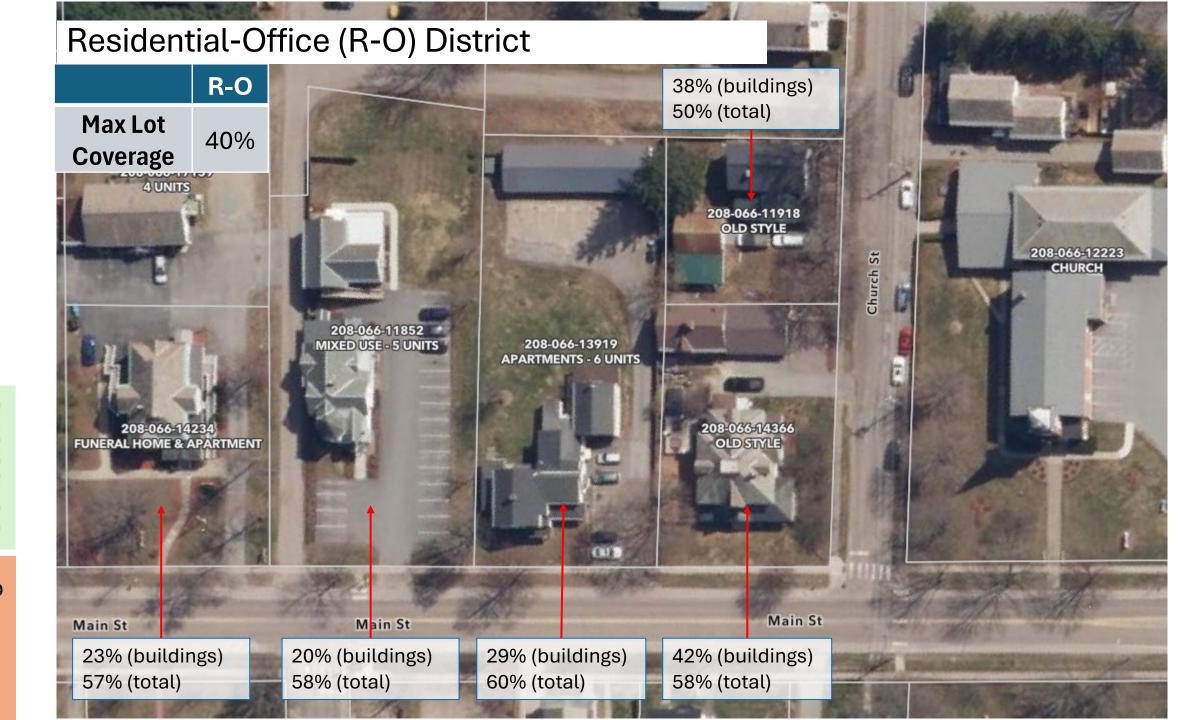
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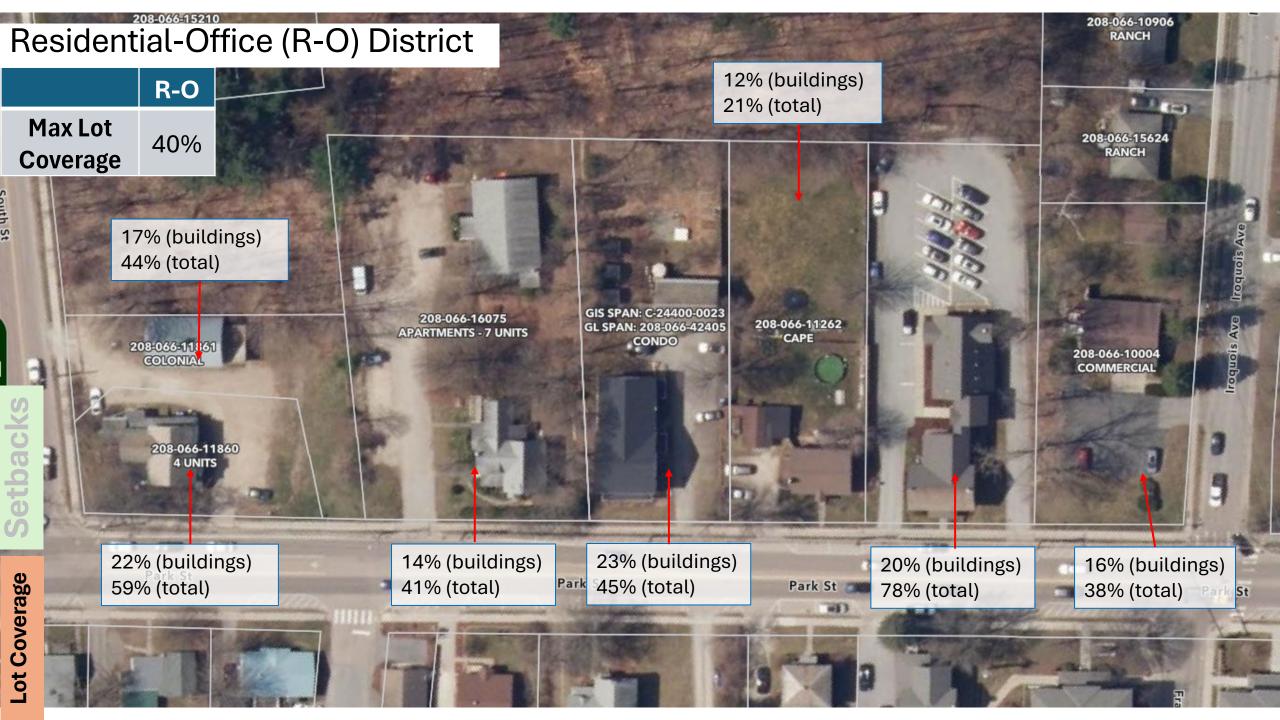
Discussion on setbacks

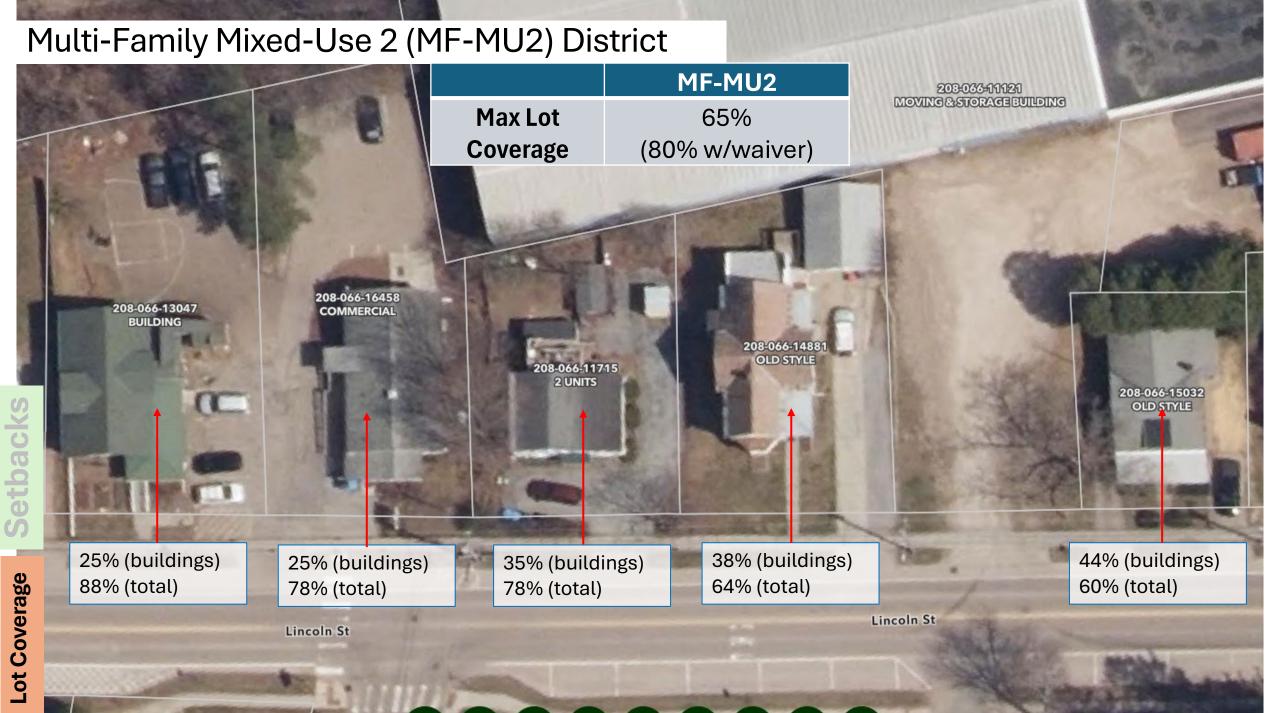
Current lot coverage limits in Essex Junction:

	Transition			Neighborhood		
	MF- MU2	MF3	RO	R2	R1	PA
Max Lot Coverage	65% (80% w/ waiver)	40%	40%	30% (buildings), 40% (total)	30% (buildings), 40% (total)	30%





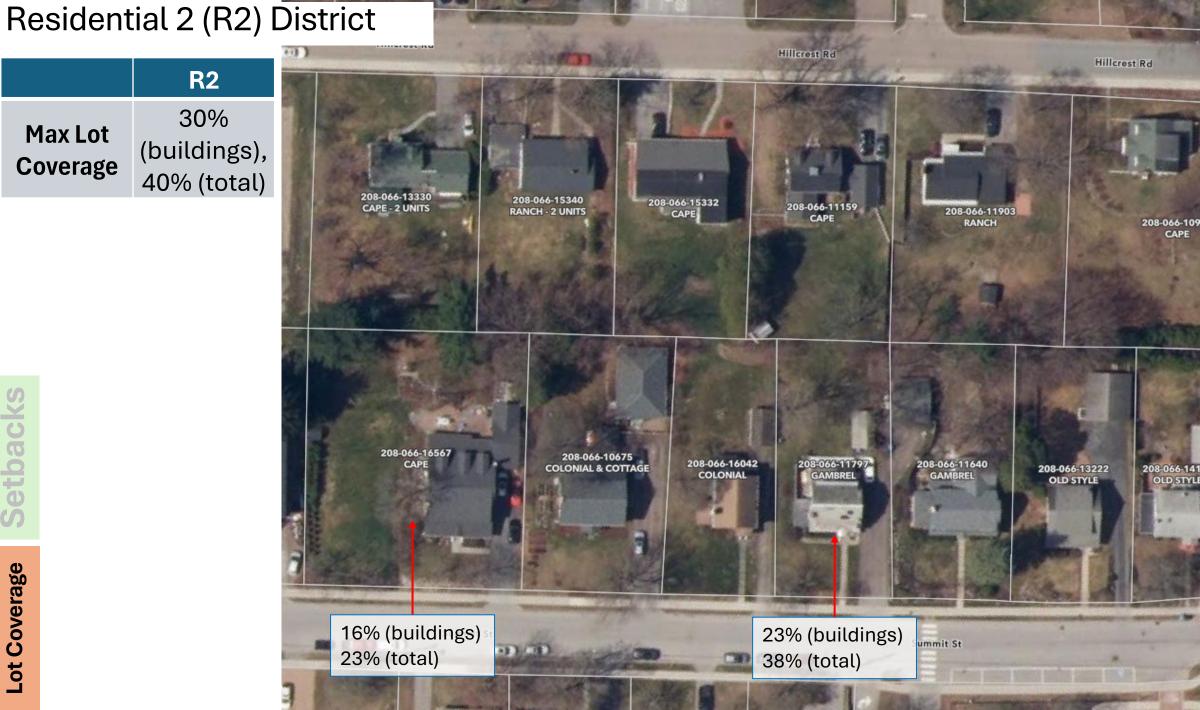




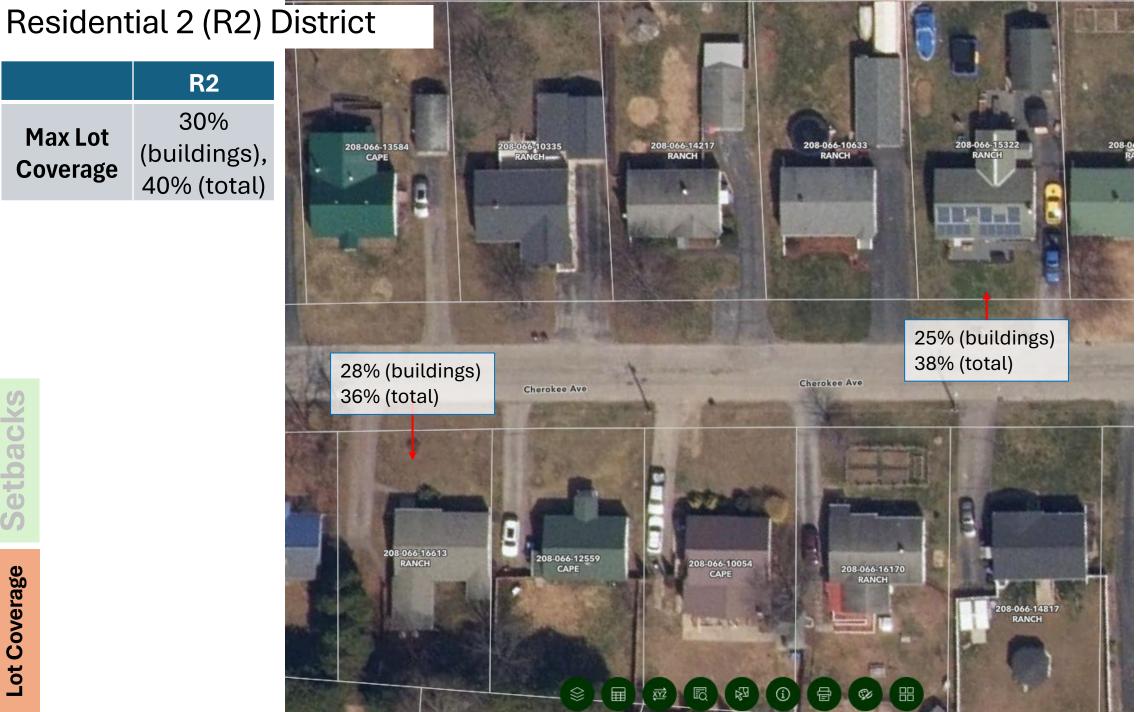
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Max Lot Coverage	30%	
	(buildings),	
	40% (total)	



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Options for updated setback and lot coverage requirements

- 1. Leave them as is
- 2. Match the existing built pattern in historic parts of the city
- 3. Exceed the existing built patterns a little bit* to further encourage housing production**

^{*}Up to the recommendations of "Enabling Better Places"

^{**}For lot coverage- consider sliding scale based on number of units