### Vermont Homes for All Toolkit:

A 'Design & Do' Toolkit for Small-scale Home Builders, Investors & Community Leaders























April 11, 2024 House Committee on General and Housing





# Introducing the Homes for All Toolkit!

Vermont Homes for All Toolkit April 11, 2024 2

### **Project Team Introduction**

**Vermont Agency of Commerce & Community Development, Department of Housing & Community Development** 



Alex Farrell Commissioner of Housing & Community Development



**Chris Cochran Director of Community Planning** & Revitalization



**Jacob Hemmerick** Community Planning & Policy Manager



Richard Amore Manager of Placemaking and **Community Partnerships** 



**Amy Tomasso** Community Planning & **Project Manager** 

#### **AARP Vermont**



**Kelly Stoddard Poor** Director of Outreach. **AARP Vermont** 

AARP VT is partnering with the State of Vermont to support increased community engagement on neighborhood infill design considerations for this project.

AARP Livable Communities initiative supports the efforts of state entities, local leaders and residents to make communities more livable and age-friendly. Among the keys to livability is housing that's both suitable for and adaptable to the diverse and ever-changing needs of Vermont households and individuals.











### Consultant Team Introduction

The project lies at the intersection of:

- Residential design
- Community planning and regulatory frameworks, and
- Feasibility, financing, and implementation

This is our specialty and where our passion lies.

#### **Utile Roles & Expertise**

- **Project Management**
- **Engagement Lead**
- Planning
- **Urban Design**
- Architecture
- Sustainable Design

#### **Core Management Team**



**Matthew Littell, LEED AP** Principal-in-Charge, Utile



Zoë Mueller, Project Manager & Urban Planner, Utile

#### **Dedicated Specialist Team -**



Xiaoran Zhang, LEED AP ND Urban Designer, Utile



Alex Davis, AIA, CPHC® Housing Architect, Utile



**Neil Heller** Policy and Feasibility Analysis, Principal, Neighborhood Workshop Faculty, Incremental Development Alliance



**Liz Curry Local Community Development** Advisor. Principal, CommonLand Solutions

#### **Subconsultant Roles & Expertise**

- Policy and Feasibility Analysis (Neighborhood Workshop)
- Local Community Development Advising (CommonLand Solutions)







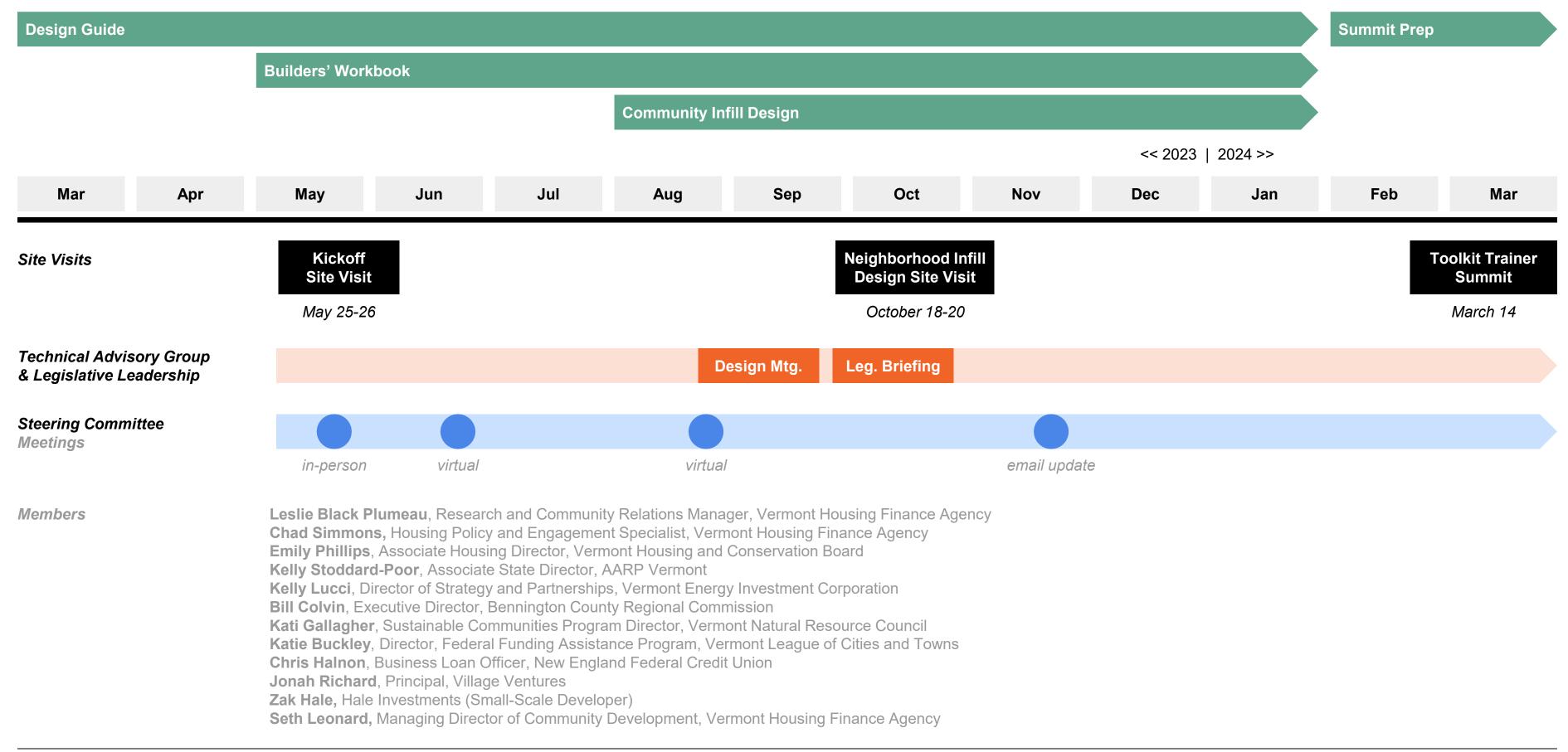




Vermont Homes for All Toolkit

April 11, 2024

#### Process



✓ VERMONT













# Project Background













Vermont Homes for All Toolkit April 11, 2024 6

### Homes for All Toolkit Inspiration

#### **BUILD MAINE** SYSTEMS CHANGE

#### **Development Ready Communities PRIORITY DEVELOPMENT AREAS** The following priority development areas are targeted for state funding based on a set of place-based characteristics and a demonstrated positive return on investment. A community may identify locations for newly established priority development areas as part of a comprehensive planning process, where the community can demonstrate that there is no existing priority development area of the same placetype, and where the newly established area meets the criteria, excepting historic criteria. 1. DOWNTOWN A Downtown is an area with a dense grouping of contiguous mixed-use parcels that include multi-story buildings. The area must have been planned, built, and used for mixed-use activities for more than 80 years, and include buildings of historical or architectural significance. The area must primarily consist of buildings that contain a mix of businesses, services, and residential uses. Buildings are located close together, are often times attached, and located adjacent to the sidewalk with a zero ft front setback. The area includes a network of streets that form blocks. Sidewalks are present along main commercial streets. Area was planned and built prior to 1940 and include Majority of buildings have 0 ft front setback. buildings of historic or architectural significance. Area includes a network of connected streets. Mix of multi-story buildings. Sidewalks present along main commercial street(s). Mix of uses, including residential uses, permitted within Area has minimum value per acre of [ENTER AMOUNT]. Buildings located close together and often times attached. 2. VILLAGE CENTER A Village Center is an area with a loose grouping of predominantly contiguous mixed-use parcels that contains a mix of multi-story buildings. The area must have been planned, built, and used for mixed-use activities for more than 80 years. The area must primarily consist of buildings that contain a mix of commercial, residential, and civic activities. Buildings are located close together, are often times attached, and located adjacent to the sidewalk with a zero ft or shallow front setback. Buildings are located along a loose network of streets. Sidewalks may be present. Area was planned and built prior to 1940 and include Buildings located close together and may be attached. buildings of historic or architectural significance. Majority of buildings have 0 ft or shallow front setbacks Area includes a loose network of connected streets. Mix of uses, including residential uses, permitted within Area has minimum value per acre of [ENTER AMOUNT]. the area A Crossroads is an area with a contiguous grouping of 2 or more buildings of historical or architectural significance that have formed a center of community within a small town or village. A Crossroads can contain a mix of commercial, residential, and civic activities. Buildings are located close together and near to the street, providing a place where people can easy walk between buildings because





#### **SMALL DEVELOPER COMPANION MANUAL**



9 PRINCIPLES OF THE

#### **INCDEV APPROACH**

- Commit yourself to a place you love that needs you.
- Take the next smallest step.
- Learn the rules so you can maximize the opportunity within them.
- Build in rectangles that can adapt and improve over time.
- Opt for cozy & human over large & luxury.
- Focus on building a stronger neighborhood one project at a time.
- Employ, support, and partner with locals, creating stewards of the neighborhood.
- Rightsize regulation and re-legalize time-honored buildings.
- Build things that give more than they take.

**VERMONT** 

the area.



Area was planned and built prior to 1940 and include

buildings of historic or architectural significance.

Mix of uses, including residential uses, permitted within















Majority of buildings have shallow front setbacks.

Area has minimum value per acre of [ENTER AMOUNT]

Vermont Homes for All Toolkit

April 11, 2024

### Project Kickoff





















### What will the toolkit do?

#### Purpose:

Re-introduce Missing Middle Housing (MMH) to Vermont by focusing statewide attention on smallscale gentle infill and incremental development as a strategy to address Vermont's housing and affordability crisis.

#### **Audience:**

- Prospective and emerging small-scale developers
- Planning and regulatory policymakers
- Municipal and community leaders
- Vermont-based technical advisors for MMH



#### **Toolkit Goals**

- 1. Build Affordably
- 2. Grow Small Developers
- 3. Cultivate Local Support
- 4. Empower MMH Champions









### Context

Missing Middle Housing is not new in Vermont!

- Pre-1940s zoning supported increased densities and integrated land uses
- Pre-automobile development supported walkable, compact neighborhoods with multiple home types
- Multi-family homes were the norm and took different forms















# Project Overview











Vermont Homes for All Toolkit April 11, 2024 11

### What do we mean by "Missing Middle Homes"?

**Missing Middle Homes** is a housing term that describes a range of house-scale residential building types that have multiple units that are compatible in scale and form with detached single-family homes. In the context of this project, this term is intended include Accessory Dwelling Units (ADUs), duplexes, townhouses, courtyard apartments and mixed use neighborhood commercial building types.



























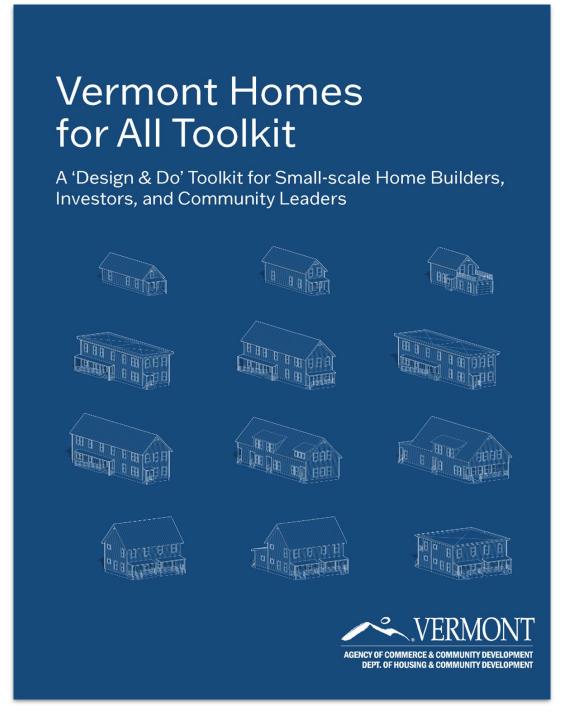




### **Project Overview**

#### What is the purpose of this project?

- Provide a policy, design, and development foundation to encourage the creation of more diverse housing typologies in Vermont that meet housing needs.
- Develop "homes for all" typologies and designs with a character and scale that is modest, sensible, and aesthetically familiar to a broad range of Vermonters.
- Develop educational capacity building and training tools to encourage broad support of and contribution to a healthy and diverse implementation of the housing concepts developed through this effort.



#### **Vermont Homes for All Toolkit**

The Toolkit provides a foundation for the implementation of "homes for all" typologies in Vermont by providing predevelopment-ready building design prototypes, guidance on how to address design factors for incremental infill development in existing communities, and start to finish guidance on the development process.

Part 1. **Builders' Workbook** 

Part 2. Missing Middle Homes Design Guide

Part 3. Vermont Community Infill Design Case Studies

**Toolkit Trainer Summit & Training Resources** 













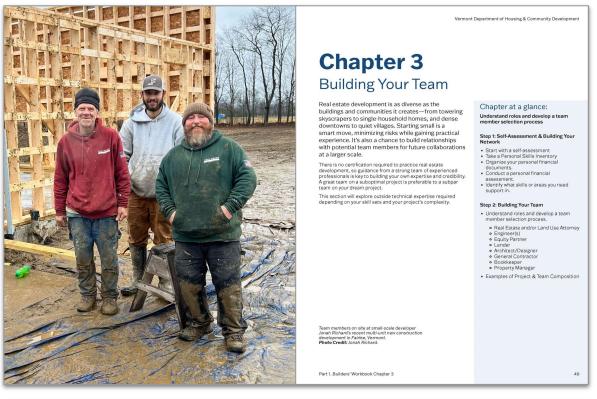
### Part 1. Builders' Workbook

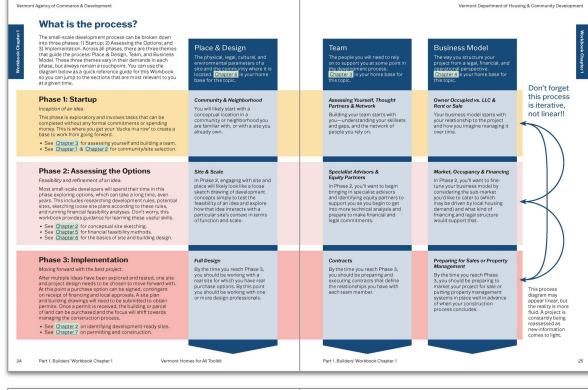
#### What this section of the Toolkit covers

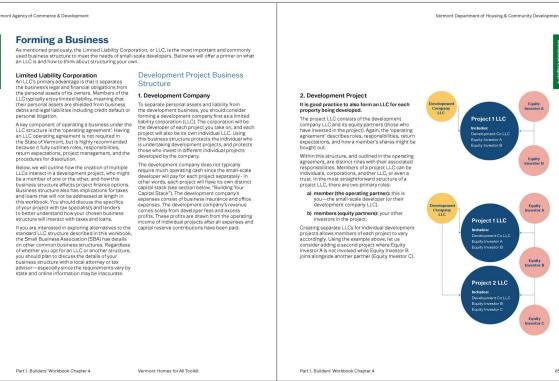
Step-by-step guidance on all aspects of the development process for a broad audience of potential developers.

#### **Chapters:**

- 1. Your role in small-scale development
- 2. Identifying development-ready sites
- 3. Building your team
- 4. Business and financial frameworks
- 5. Feasibility methodology
- 6. Design
- 7. Permitting and construction
- 8. Implementation and management







Example spreads >>













### Part 2. Missing Middle Homes Design Guide

What this section of the Toolkit covers

A series of context-sensitive "homes for all" typologies with illustrated designs.

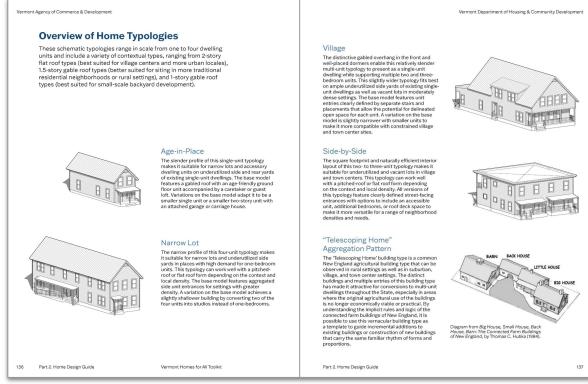
#### **Components:**

- Overview of design approach and home typologies based on research into vernacular design elements, and local case studies
- Four predevelopment-ready missing middle home building typology designs, each with several variants/customizations:
  - Age-in-Place
  - Narrow Lot
  - Village
  - Side-by-Side
- Explanation of the "Telescoping Home" Aggregation Pattern

Example spreads >>









VERMONT ARP' utile with the April 11, 2024

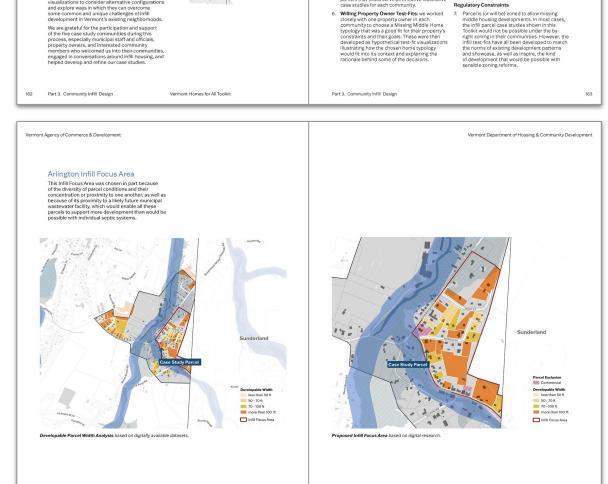
### Part 3. Vermont Community Infill Design Case Studies

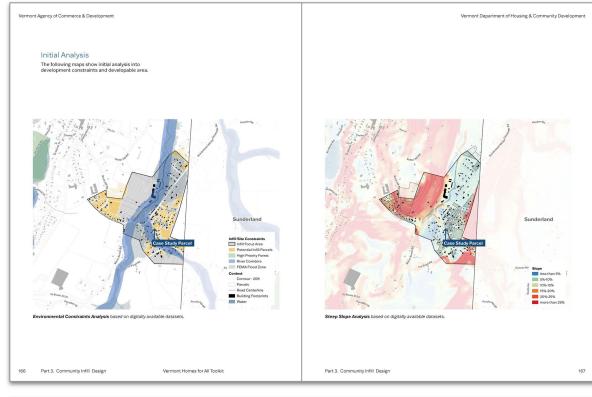
What this section of the Toolkit covers

Documentation of case studies used to test and refine the home prototype designs and builders workbook concepts in the context of five representative Vermont communities.

#### **Components:**

- Infill parcel selection method and criteria overview
- Case studies including site selection mapping and case study parcel test-fit visualizations for:
  - Arlington
  - **Bellows Falls**
  - Middlesex
  - **Rutland City**
  - Vergennes







Example spreads >>











Vermont Homes for All Toolkit April 11, 2024

# Home Design Development

Initial Scale Calibration for Development "Sweet Spot" & Design Prototype Work









### Development "Sweet Spot"

#### **Toolkit Focus**

**Sweet Spot #1** Scale: 1-4 units

#### **Units Per Building**

1-4 units

#### **Unit Sizes**

1-2 bedroom units with expandability options

#### **Unit Types**

At least one ground-floor unit designed with accessibility + aging-in-place in mind

#### Use Mix

Residential

This scale is a great place for a first-timer to get started.

#### Why?

- Lower risk on-ramp
- Capacity building to grow a cohort of small scale developers that can eventually grow into Sweet Spot #2

Sweet Spot #2 Scale: 5-11 units

This scale is more challenging for a first-timer.

#### Challenges:

- Necessitates more complex financing
- Triggers additional code considerations

#### Opportunities:

- Economies of scale
- Live-work and mixed-use











### 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** 









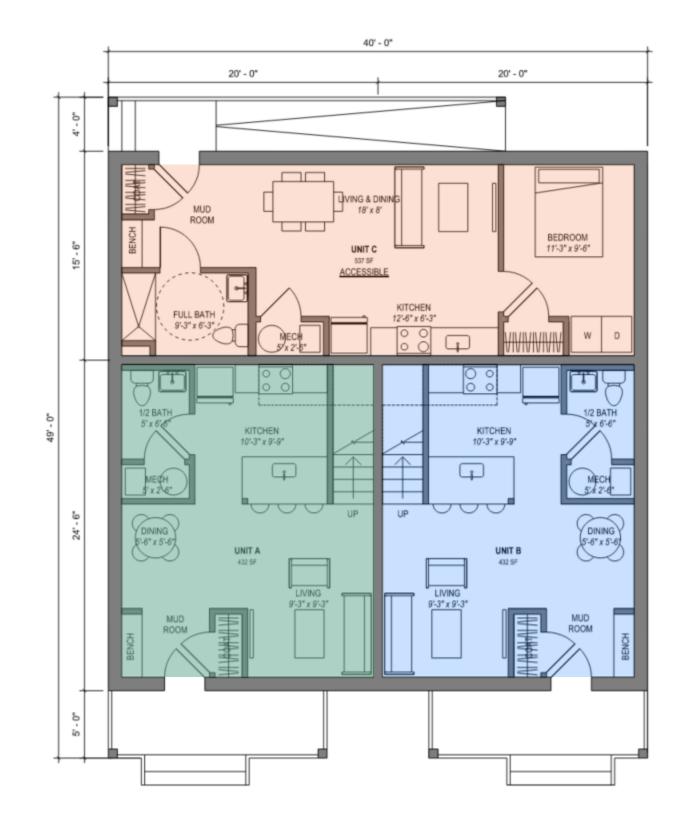






### Example of Prototype Unit Design

#### Side-by-Side Plus One Plus Prototype

















# Neighborhood Infill Design











### Neighborhood Infill Design Pilot Communities

In order of population size:

- 1. Rutland City (Rutland County, Population 15,807)
- 2. Rockingham / Bellows Falls (Windham County, Population 4,832 / 2,747)
- 1. Vergennes (Addison County, Population 2,553)
- 2. Arlington (Bennington County, Population 2,457)
- 3. Middlesex (Washington County, Population 1,779)

We identified one "focus area" within each of these communities to serve as a site-specific local testing ground for how these home typologies can be integrated into existing neighborhood contexts throughout a wide range of Vermont communities.











### Neighborhood Infill Case Study Site Visits

October 2023

















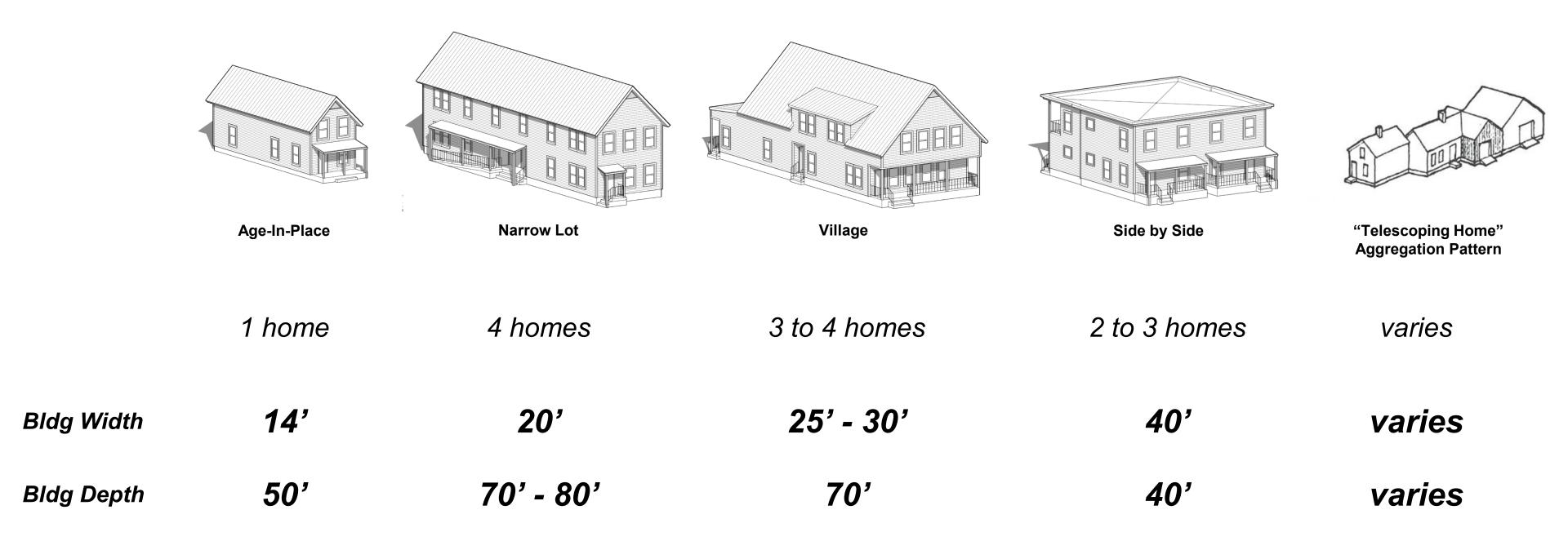






### Neighborhood Infill Design Siting Considerations

Parcel and Buildable Area Dimensions for Urban Design Siting of Typologies











### Neighborhood Infill Case Studies

#### **Rutland City**



#### **Context, Goals & Siting Considerations**

- Vacant, flat corner site in gridded, walkable neighborhood.
- Has municipal water and sewer access.
- Nearby buildings range from 1-2.5 stories.
- Goal: maximize its potential as a rental property for 1-2br units.
- Siting considerations:
  - Reinforce/activate South Street frontage
  - Preserve existing mature trees
  - Arrange parking to maximize yard space and provide convenient and accessible access to the rear unit.













### Neighborhood Infill Case Studies

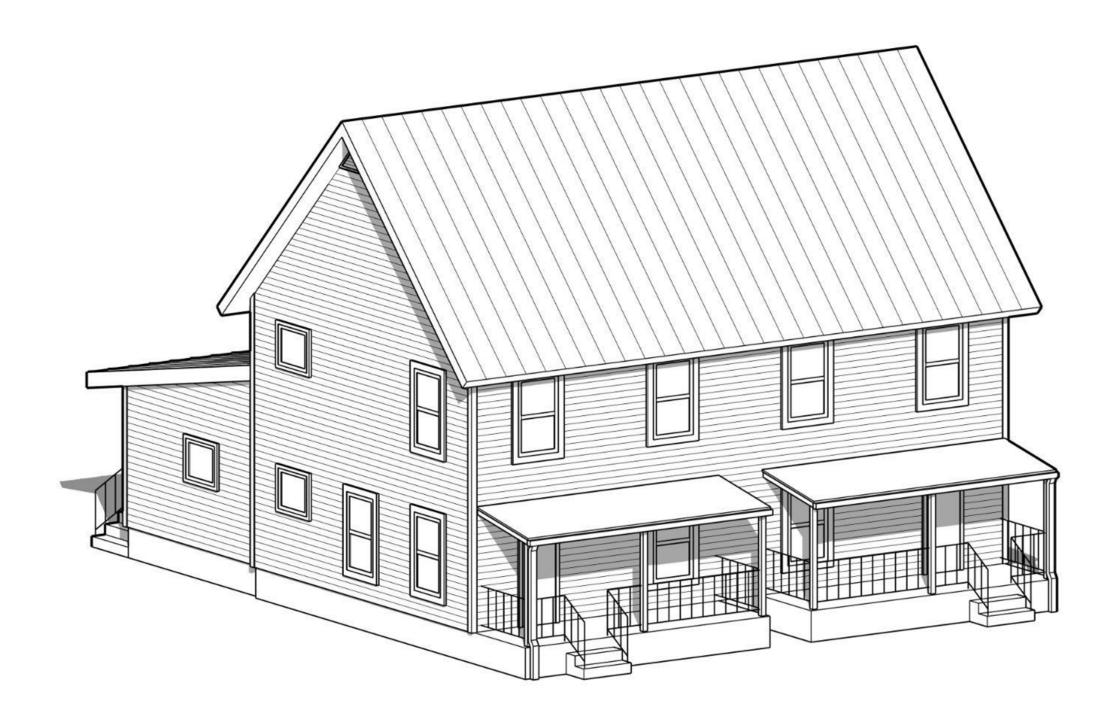
#### **Rutland City**



#### **Home Typology Considerations**

The Side-by-Side Plus One, with its square footprint and naturally efficient interior layout, was chosen for this site for three reasons:

- 1. Its dimensions fit the developable lot area well.
- The unit types and sizes are a good fit for local housing need.
- It works well with a corner lot that can accommodate efficient side parking, preserving more usable open space.
- 4. The pitched roof form aligns with the norms of nearby homes.





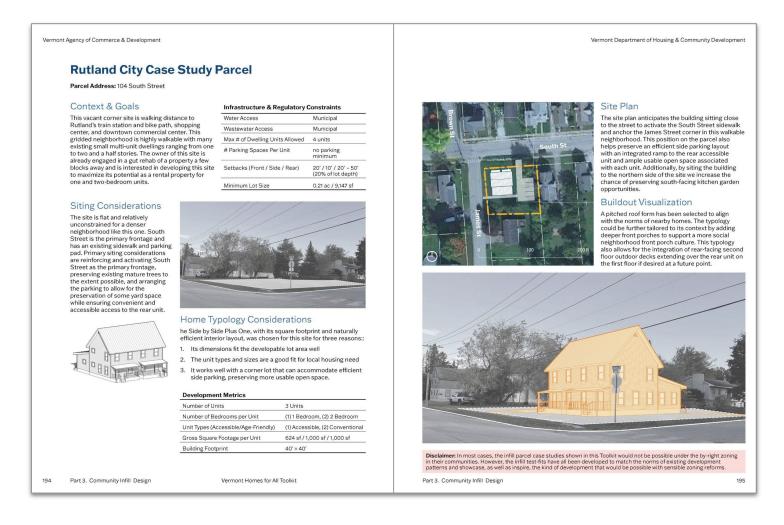






### Neighborhood Infill Case Studies

#### **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.













# Next Steps

AGENCY OF COMMERCE & COMMUNITY DEVELOPMENT DEPT. OF HOUSING & COMMUNITY DEVELOPMENT









### Project Arc

#### Phase 1: Engagement & Design (2024)

Actions: Homes for All Toolkit, Builders' Workbook, Infill Case Studies

**Status:** Complete. VT roadshow underway



#### Phase 2: Training & Access (2024-2027)

Actions: Training cohort; VT catalog of construction-ready drawings Status: Funding secure, hiring consultants for cohort, drafting RFP



#### Phase 3: Implementation (2025+)

**Actions:** Grants for homebuilding

Status: Seeking HUD Funding (PRO Housing Grant), VCF, VHFA









### How to stay involved

- Share the Toolkit widely
  - Digital version, Summit recording, webinar available: accd.vermont.gov/homesforall
- Download and practice using the sample pro formas
- Engage Planning Commissions, Selectboards, housing advocates, and aspiring developers
- Continue working on bylaw modernization, wastewater expansion

#### Next steps:

- Stay tuned for cohort training coming late fall 2024
- Call for development-ready communities to participate in pre-approved plan set pilots

### Vermont Homes for All Toolkit

A 'Design & Do' Toolkit for Small-scale Home Builders, Investors, and Community Leaders

































### Thank you for joining us!

Join the Homes for All movement! Vermont needs you!



accd.vermont.gov/homesforall amy.tomasso@vermont.gov chris.cochran@vermont.gov