

#### **Town Council Work Session**

November 13, 2023



Building & Site Design

Affordable Housing



## **Building & Site Design**

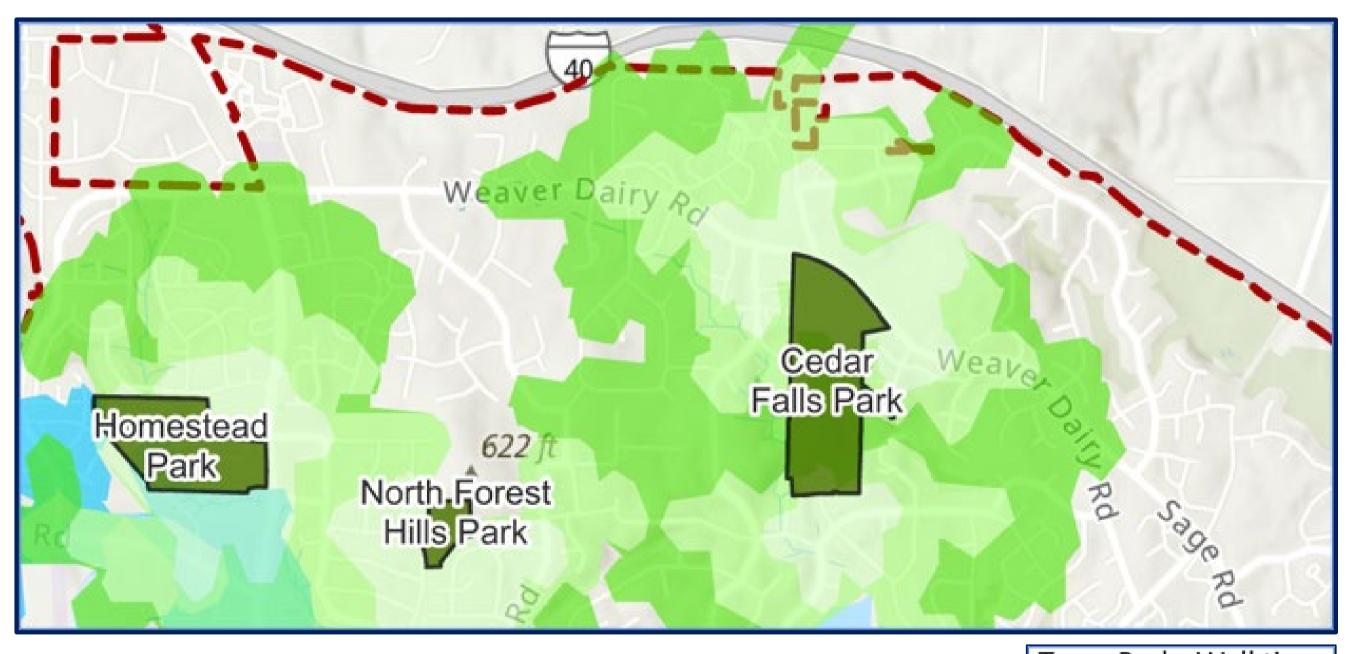
Affordable Housing

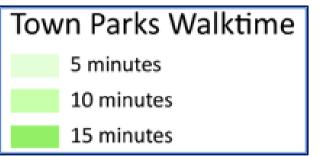


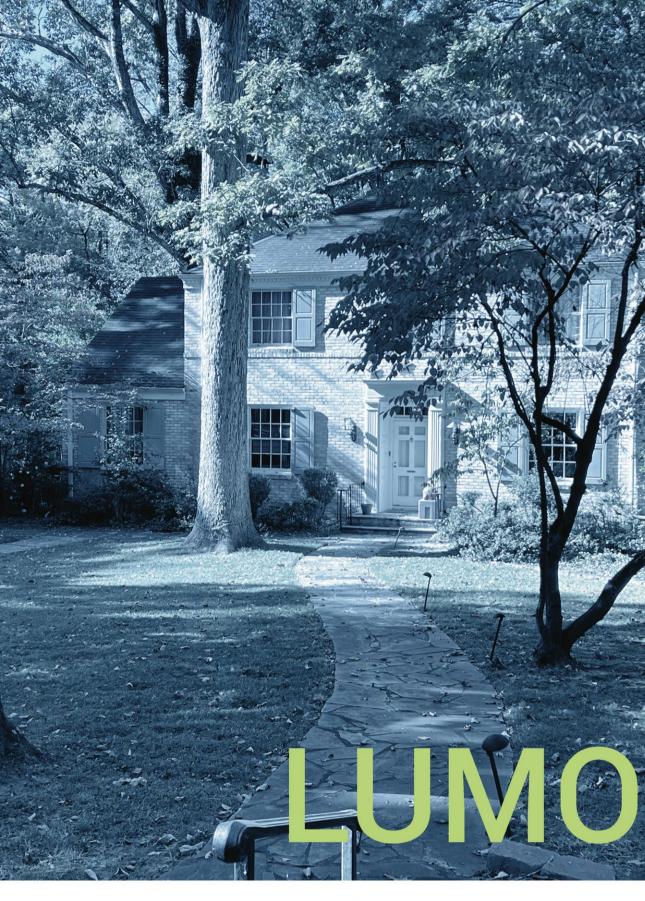
Building & Site Design

## Affordable Housing

#### **Understanding Community Assets**











## The Re-Envisioned District Palette

An Introduction









# CD-2 R-LD1 Zoning Design Housing

# PURPOSE

Implement plans and policy

Improve user experience

Align with local best practice

# PHASE TIMELINE

**District assessment** 

**Review and revise** 

Pilot project

07 July

August

-09

September

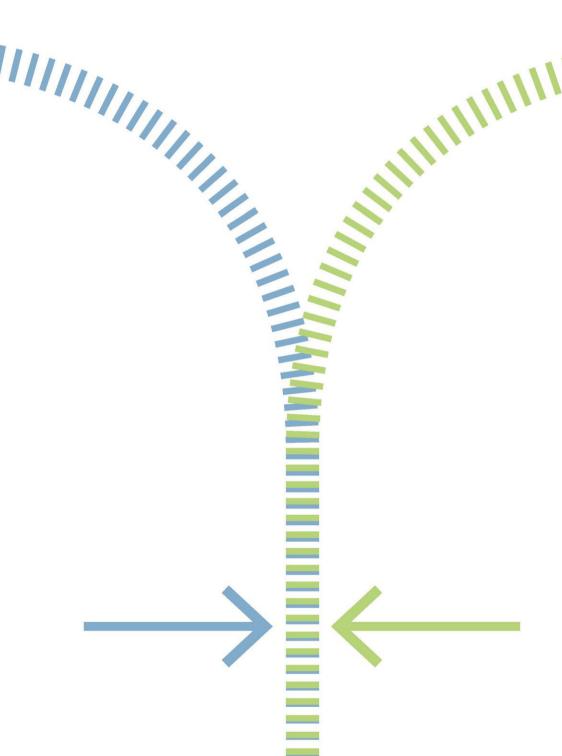
**Continued refinement** 

Groundtruthing

**Review and revise** 

# PLAN / CODE ALIGNMENT

- O Alignment between Complete Community and Charting Our Future
- O Districts reinforce plan goals
- O Design elements to accomplish desired outcomes
- O Best practice furthers policy objectives



# \*-COMPLETE COMMUNITY

**PLACE** 

**ACTIVE TRANSPORTATION OPTIONS** 

ACCESS TO PARKS AND GREEN SPACE

NEW AFFORDABLE HOUSING MODELS

HOUSING DIVERSITY (INCENTIVIZE ADUs, MULTIPLEXES IN EXISTING NEIGHBORHOODS

ACCESS TO HOMEOWNERSHIP FOR HISTORICALLY

MARGINALIZED COMMUNITIES

LIVE/WORK NEIGHBORHOODS

YOUR STORY

MATURE TREE CANOPY

**BUILT HERITAGE** 

NATURAL LANDSCAPES, WATERWAYS, FEATURES

CULTURAL DIVERSITY AND SKILLED/EDUCATED WORKFORCE

**OPPORTUNITY TO ADD DENSITY & CREATE CRITICAL MASS** 

**EXISTING GREENWAYS** 

UNC PRESENCE

WILLINGNESS TO INNOVATE

SERVICES TO SUPPORT INNOVATION & ENTREPRENEURIALISM

POLICIES TO DRIVE LIVE/WORK SPACES IN

INDOOR AND OUTDOOR RECREATION, FITNESS

AND PLAY FACILITIES

FRIENDLY TO CHILDREN AND SENIORS

MITIGATE CLIMATE RISKS: GREEN INFRASTRUCTURE

WALKABLE

**HUMAN-SCALE** 

ORIENTED TO ACTIVE TRANSPORTATION AND TRANSIT

**IDENTIFIABLE & DISTINCT** 

**EVERYWHERE TO EVERYWHERE GREENWAYS** 

WATERSHEDS AS PEDESTRIAN AND CYCLING CONNECTORS

DAYCARES, SCHOOLS AND COMMUNITY CENTERS

FOOD / MARKETS

**CULTURAL & SOCIAL EVENTS LINKED TO INDUSTRIES** 

**EDUCATION & TRAINING** 

**RESEARCH & DEVELOPMENT** 

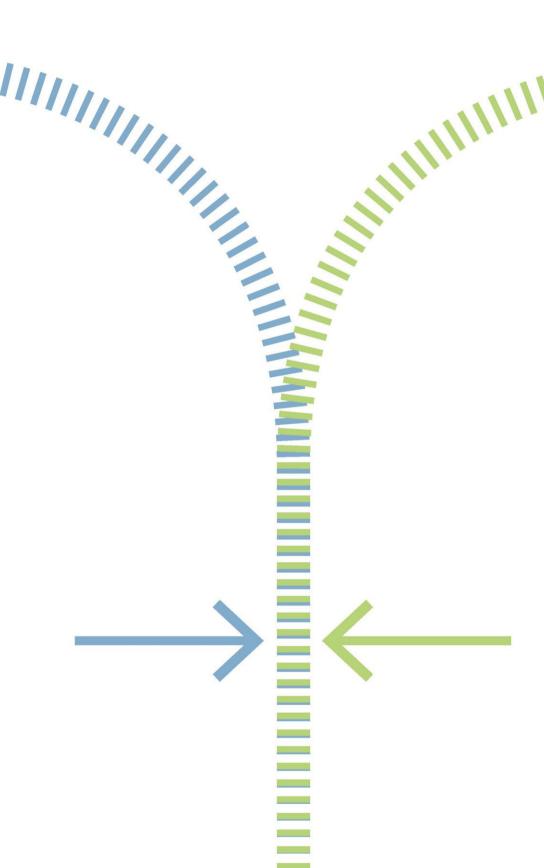
LOCAL INDEPENDENT RETAILERS

SOCIAL INNOVATION/NON-PROFIT INCUBATORS

**NEW HOUSING FORMS** 

# + DISTRICT CONSIDERATIONS

- O Common purpose
- O Intended outcome
- O Use overlap
- O Bulk and dimensional similarities
- O Context and relevance



## RE-ENVISIONED LUMO DISTRICTS

#### **Residential Districts**

- Rural Residential
- Ex-urban Residential
- Suburban Residential
- Compact Residential
- Urban Residential
- Mixed Residential

#### **Non-Residential Districts**

- Neighborhood Mixed Use
- Town Center Small Scale Mixed Use
- Town Center Large Scale Mixed Use
- Corridor Mixed Use
- Office/Institution
- University
- Light Industrial
- Transit Oriented Development

## RE-ENVISIONED LUMO DISTRICTS

#### **Overlay Districts**

- Watershed Protection Overlay
- Resource Conservation Overlay
- Historic Districts (Franklin-Rosemary, Cameron-McCauley, Gimghoul)
- Neighborhood Conservation
  Districts

#### **Legacy Districts**

- All existing CZDs
- Blue Hill Districts
- Historic Rogers Road Districts
- Industrial

## RE-ENVISIONED LUMO DISTRICTS

#### **Sunset Districts**

- Airport Hazard
- Materials Handling Districts

#### **Process Districts**

- Development Agreement 1
- Traditional Neighborhood Development













Uses



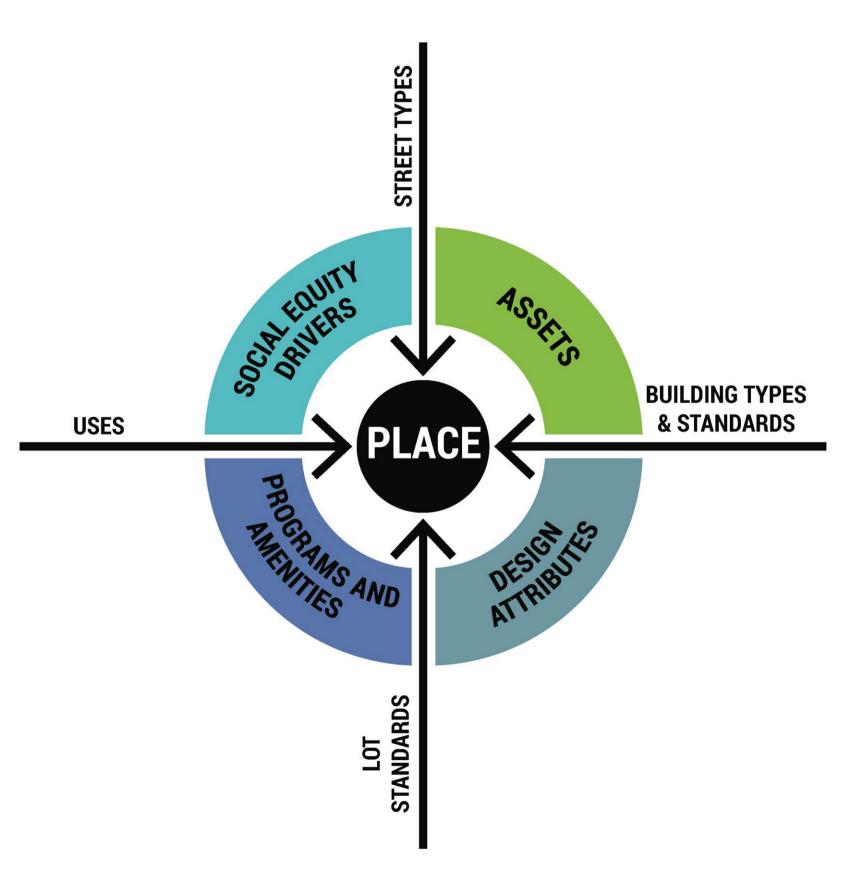
**Lot Standards** 



**Building Types & Standards** 



**Street Types** 



## USES:

- Consolidated use categories
- Mixed use by district, by site, and by building
- O Design emphasis
- Transit and active



# BUILDING TYPES:







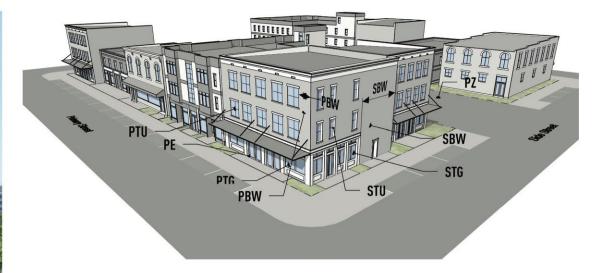


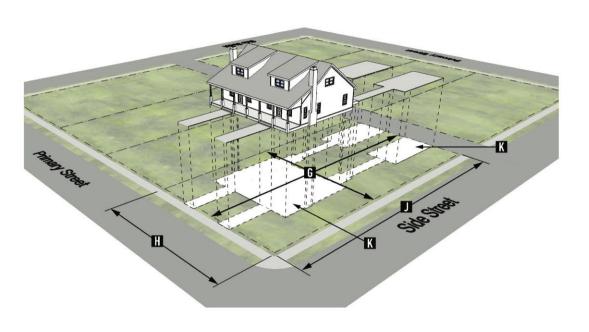






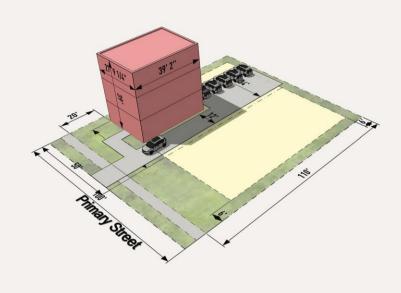


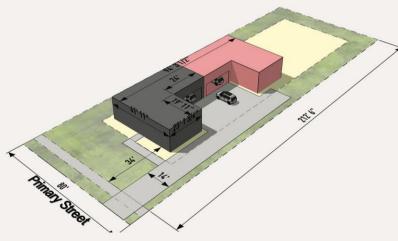


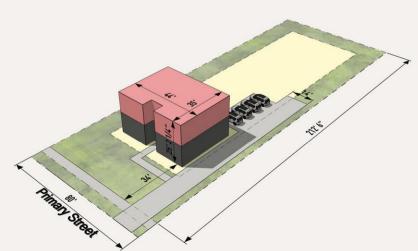




## LOTS:

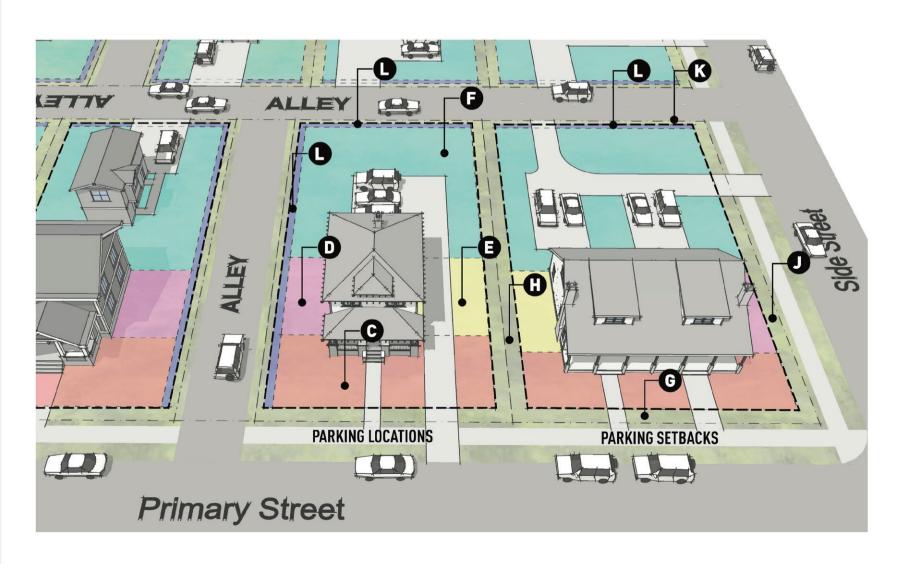






Zoning Design Housing





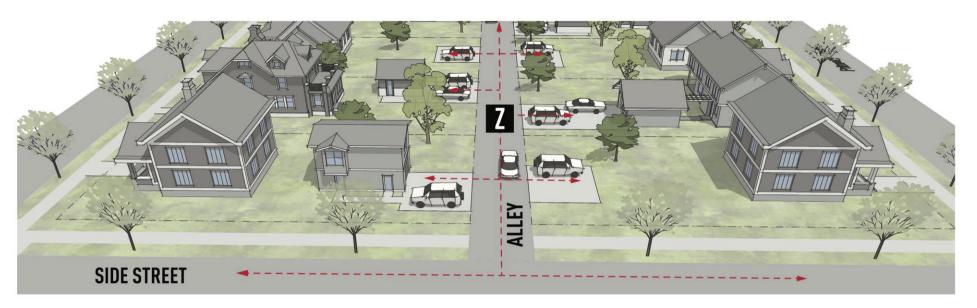


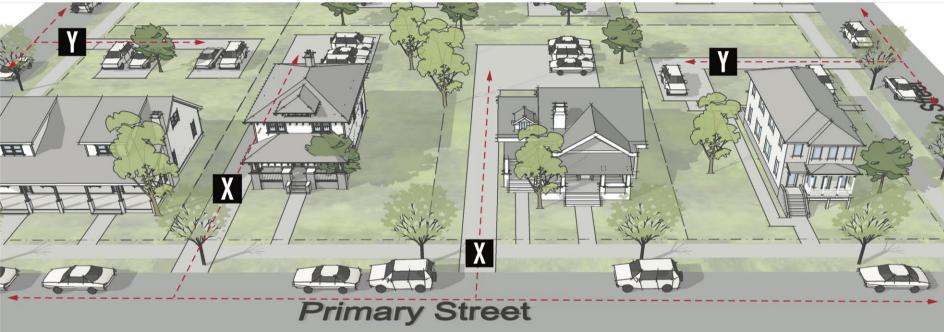
# STREET TYPES:

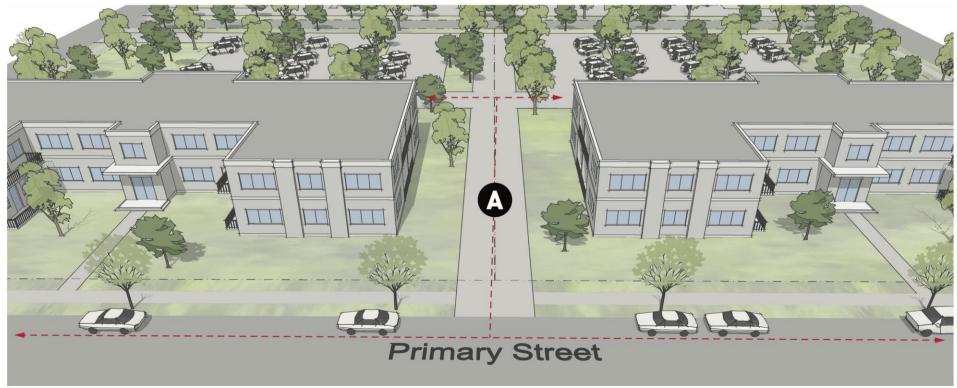
















## PURPOSE

Implement plans and policy

Improve user experience

Align with local best practice

Zoning

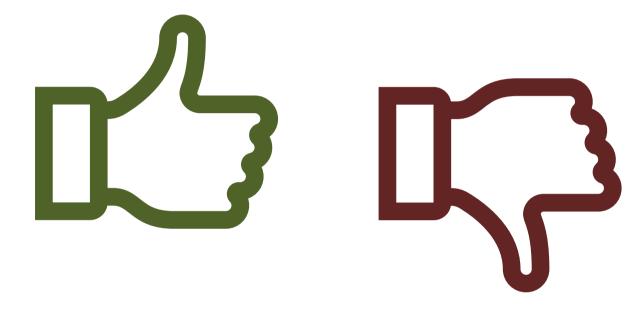
Design

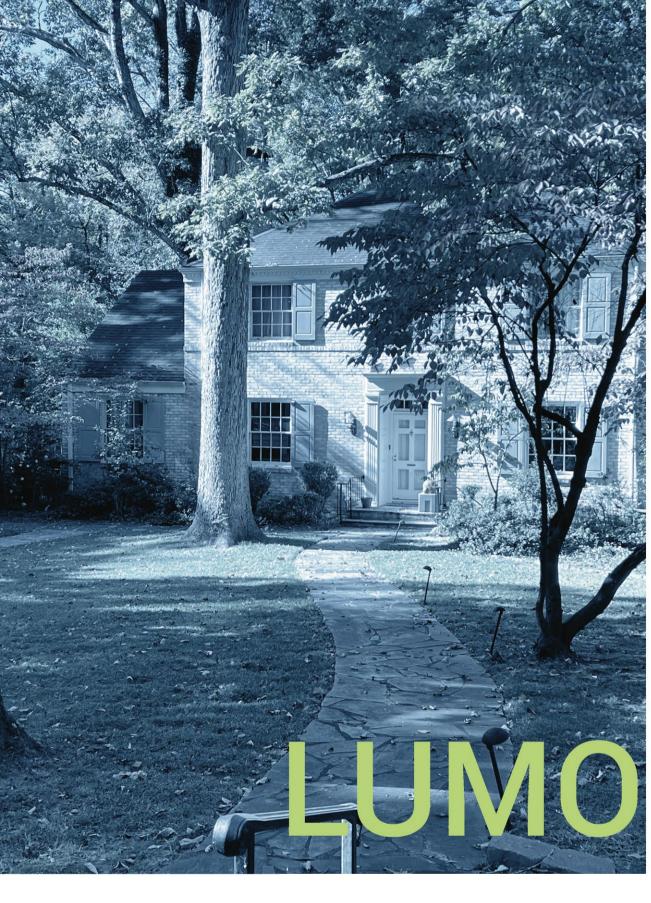
Housing

Building & Site Design

Affordable Housing

#### **Discussion**









## Design Coordination









#### Purpose of Design Integration

Advance Complete Community goal:

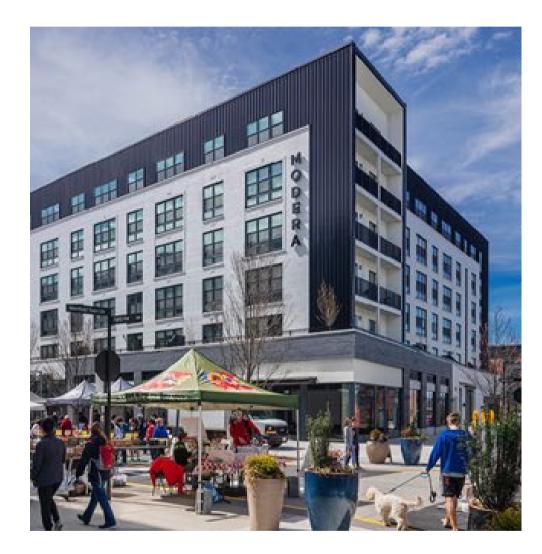
Excellence in the Public Realm

### Outputs:

- Regulation
- Financial Assessment
- Education

Zoning

## **Exploring Development Types: Site and Street Contexts**









Mixed-Use

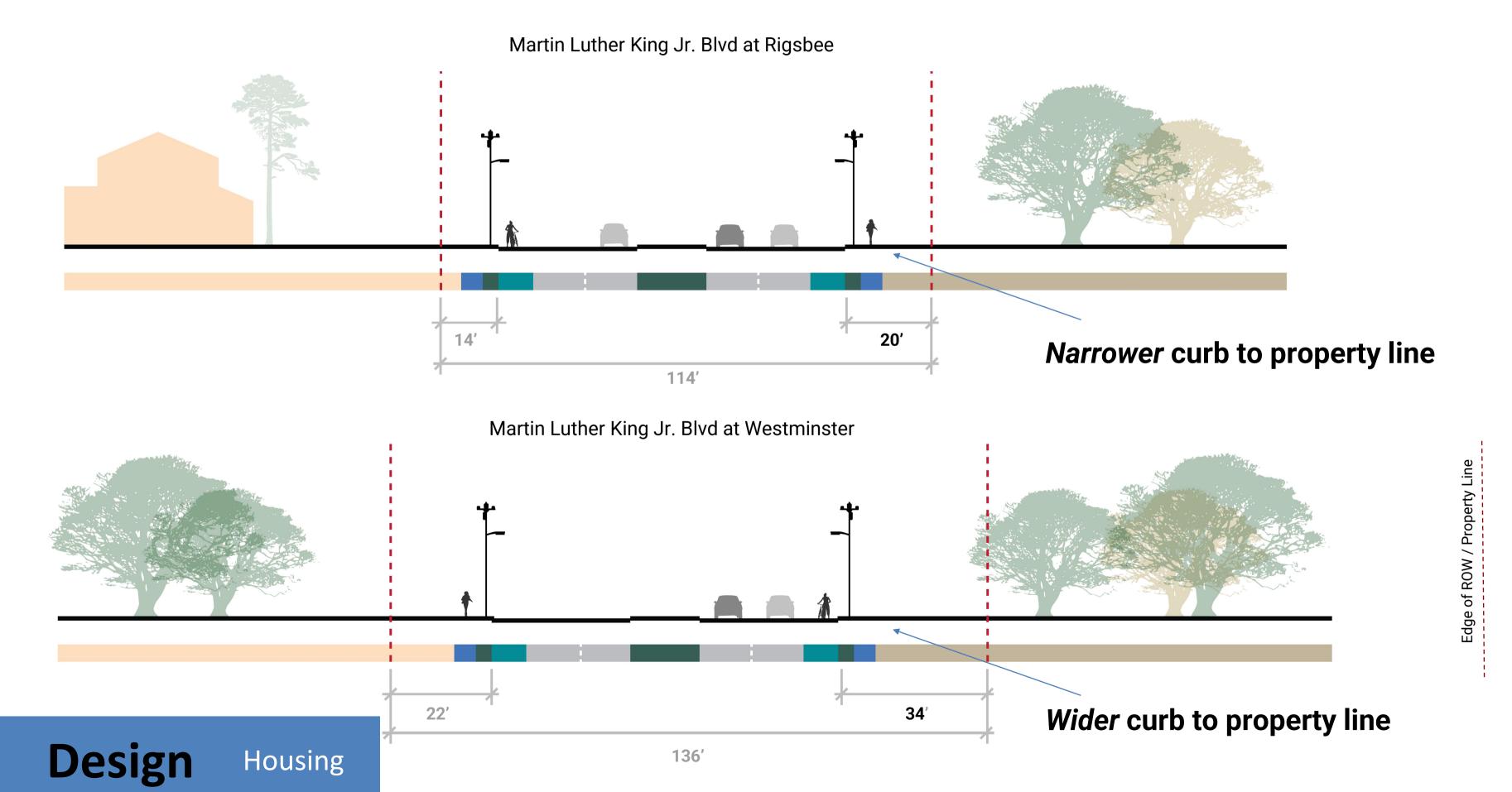
Apartments

Townhomes

Single-Family

# Example Exploration: Creating a Pedestrian Oriented Public Realm Responding to different Right of Way and sidewalk dimensions

Zoning



# **Example Exploration: Creating a Pedestrian Oriented Public Realm Mixed Use Buildings: 6 Stories**

Accomodating shared sidewalk and Retail / Café areas Retail/Cafe Setback Edge of ROW Edge of ROW Narrower curb to edge of R.O.W. **Extended public use area** 

Design

Zoning

Housing

#### Example Exploration: Creating a Pedestrian Oriented Public Realm Mixed Use Buildings: 6 Stories

Accomodating shared sidewalk and Retail / Café areas Retail/Cafe Setback Edge of ROW Edge of ROW

Narrower curb to edge of R.O.W.

**Extended public use area** 

#### Example Exploration: Creating a Pedestrian Oriented Public Realm Mixed Use Buildings: 6 Stories



Narrower curb to edge of R.O.W. + upper level setback

**Extended public use area** + upper level setback

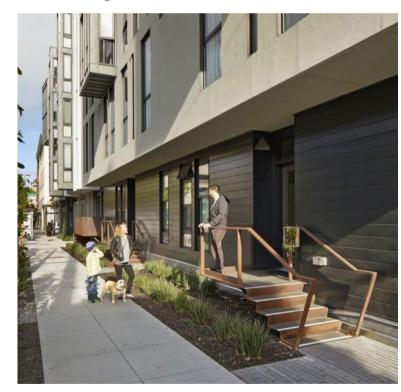
Example Exploration: Creating a Pedestrian Oriented Public Realm

**Multifamily Apartments: 4 Stories** 

**Raised Ground Floor Units** 

**Parallel Stoops or Direct Stair entry** 

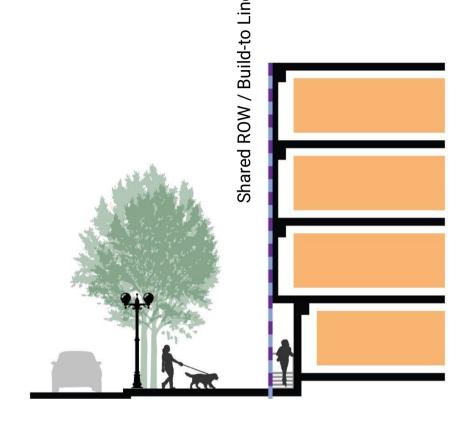
**Entry Recessed or Flush with Facade** 



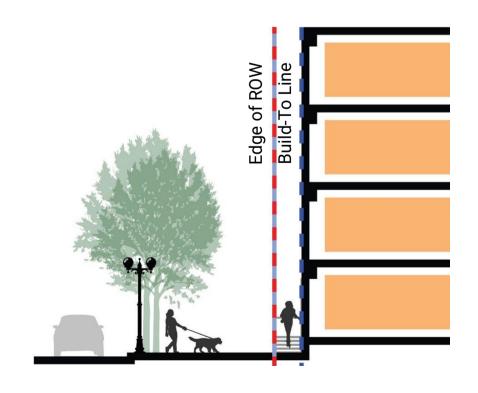
**Parallel Stoop** 



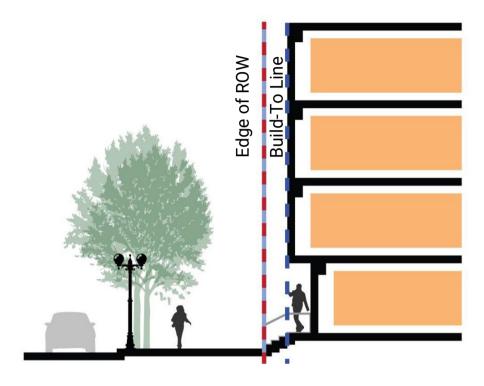
**Direct Stair** 



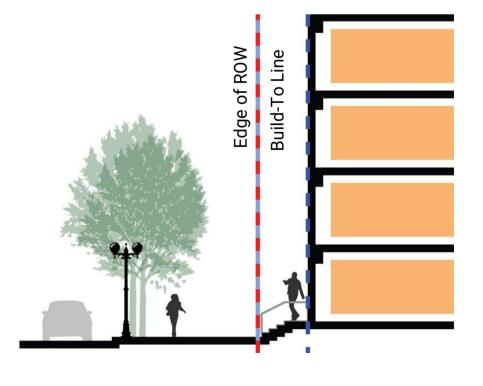
Parallel Stoop: Recessed



Parallel Stoop: Flush



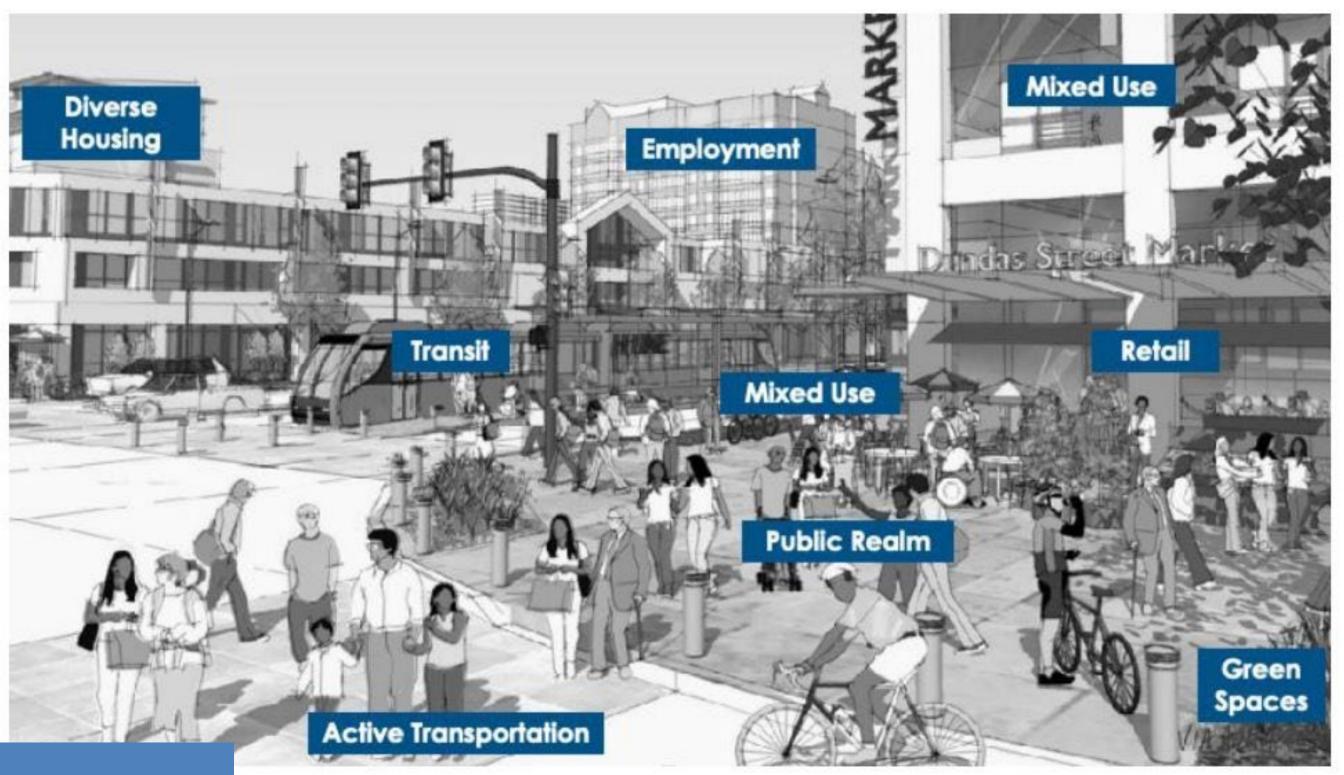
**Direct Stair:** Recessed



Direct Stair: Flush

#### **Incorporating Complete Community Themes**

#### Anatomy of a Complete Community

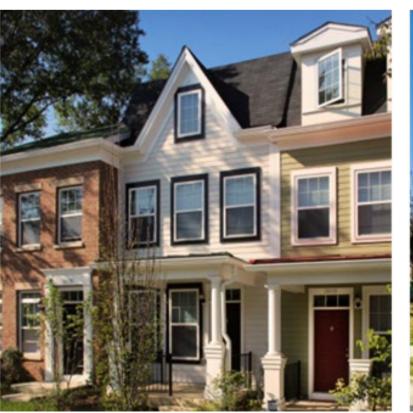


#### Other Factors Being Explored

- Retail, business placement within mixed-use
- Density and height
- On site open and public space
- Parking access, location and screening
- Street type / character context









#### **Next Steps**

- . Continue design explorations
- Inform district code writing





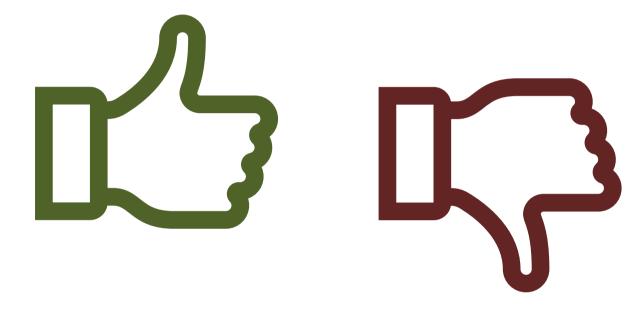


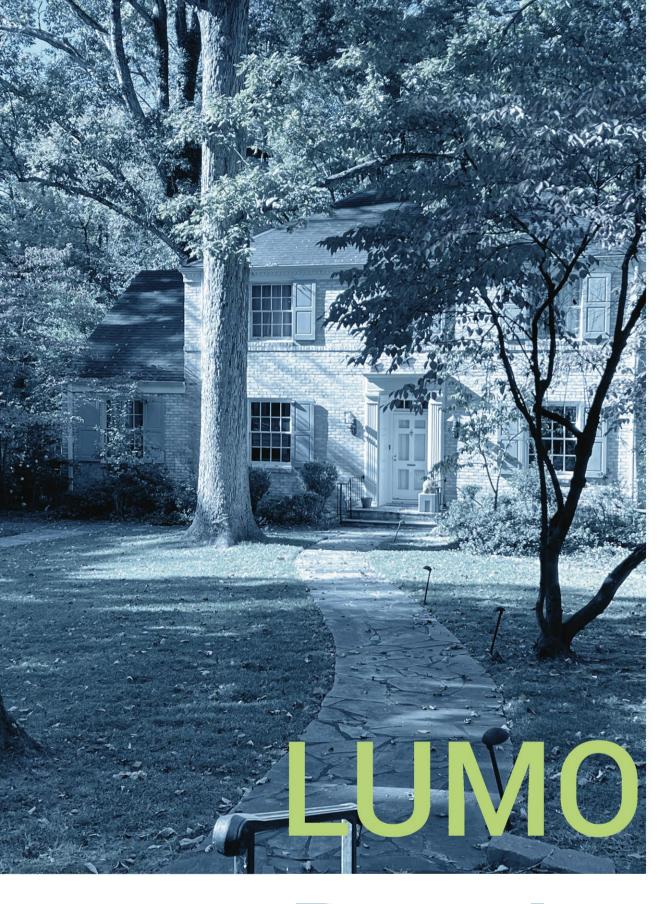


#### **Building & Site Design**

Affordable Housing

#### Discussion









## Density Bonus Assessment





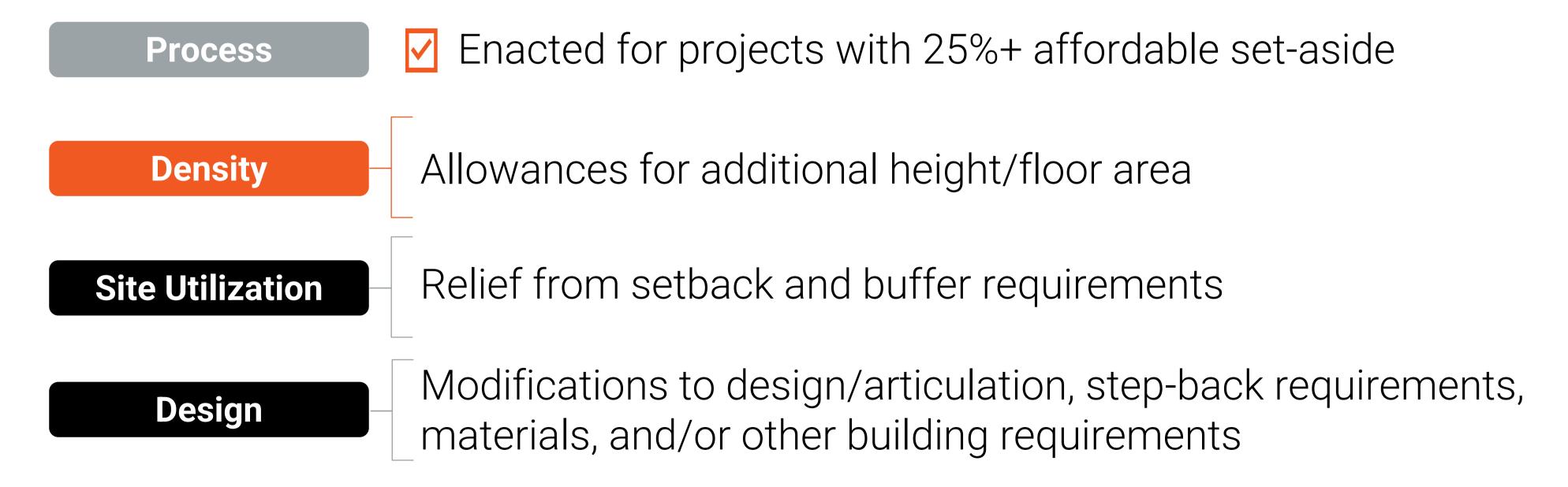




#### **DENSITY BONUS ASSESSMENT**

Assessing the feasibility of density bonuses to support community benefits

# Common Zoning Code-Based Approaches to Support Community Benefits



Zoning Design Housing

#### **DENSITY BONUS ASSESSMENT**

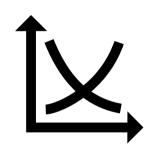
Assessing the feasibility of density bonuses to support community benefits

Voluntary density bonuses and code-based incentives need to be carefully calibrated to be effective

#### Approach:



Alignment with Affordable Housing Plan



Detailed Financial Analysis



Development Community Outreach

Design

#### **DENSITY BONUS ASSESSMENT**

Assessing the feasibility of density bonuses to support community benefits

## 50% density bonus

needed for a project with a 15% affordability set aside

- Significantly higher returns required
- More expensive construction techniques
- Exceeds achievable rent premiums
- Additional development incentives are needed

Housing

Design

#### ADDITIONAL CODE-BASED INCENTIVES

Calibrating code-based and development incentives in exchange for community benefits

Other code-based incentives should improve site & building efficiency:

Modifications to setback, step-back, and buffer requirements

Modifications to building design requirements

Building & Site Design

**Affordable Housing** 

#### Discussion

