Northwest Quadrant Neighborhood Plan: Area Analysis and Design Considerations

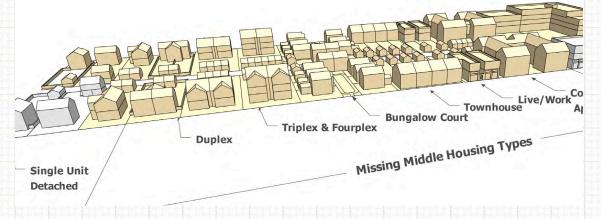




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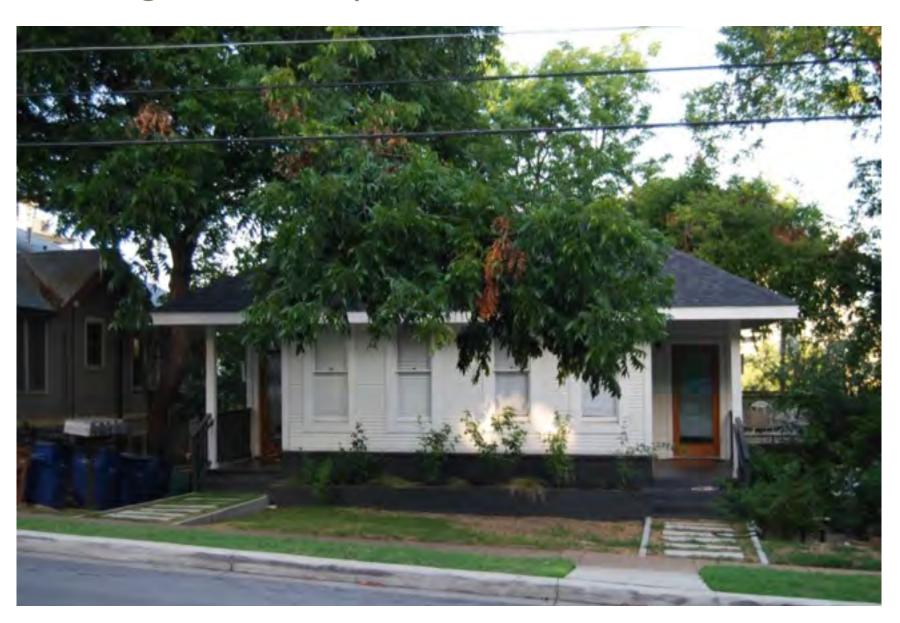
Workshop 1 Novato, CA March 14, 2015







Thinking about Compatible Form First



Walkable Context Different than Suburban Context



1 General/Introduction

Novato has Great Charm:





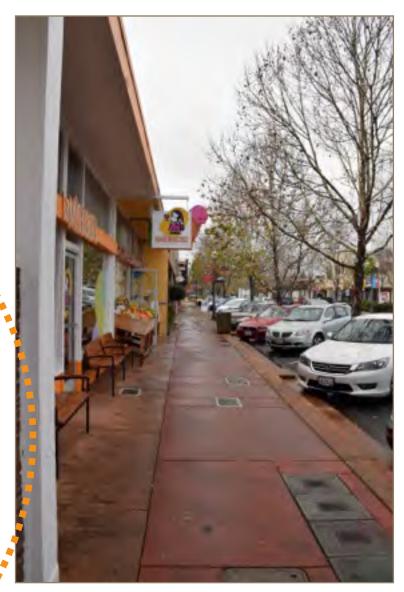




Amazing Location: Walkable to Many Amenities



Project Area



Adjacent retail on Grant Ave.

Amazing Location: Walkable to Many Amenities



Providing Diverse and Affordable Housing Options









Victims of Bad Density and Bad Design



Frontage sacrificed to parking



Parking consumes front yard



Incompatible building scales



100% lot coverage

Quality Impacted by Poorly-Designed Density



Garage doors and drives dominate fronts



Mansard roof fails to reduce perception of building's height and bulk.



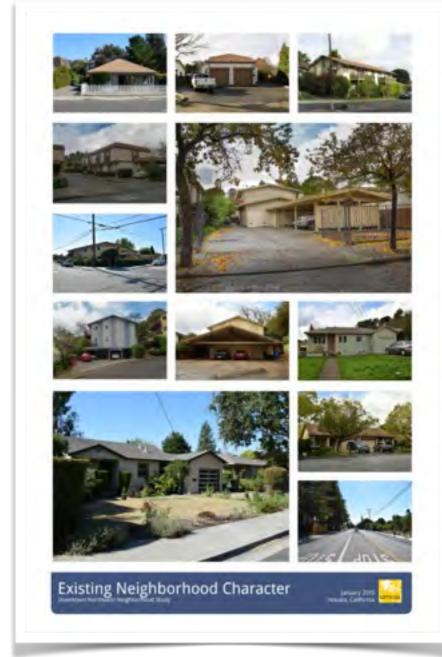
Primary pedestrian entrance hard to find

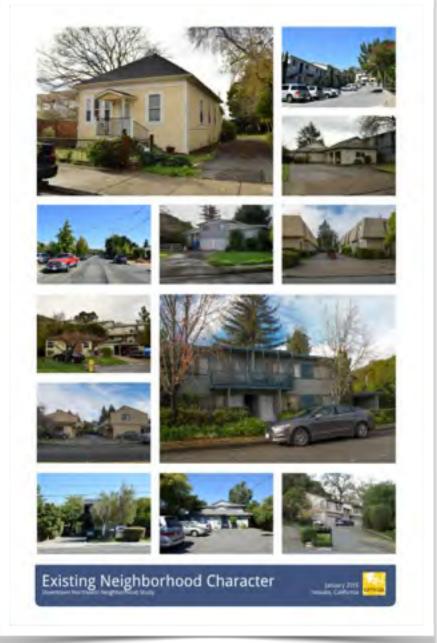


Parking dominates site

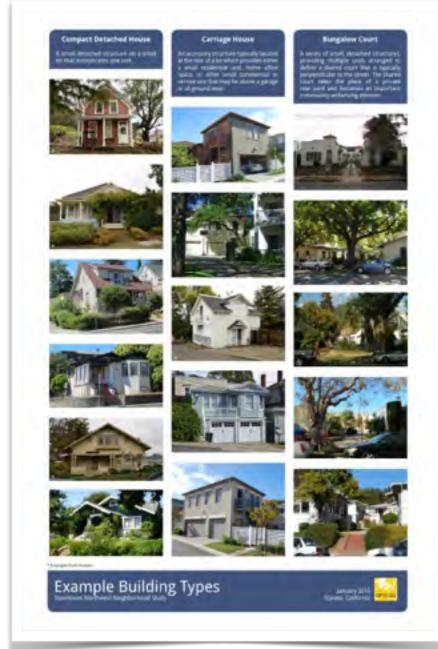
Photo Analysis Step I: Get to Know the Place

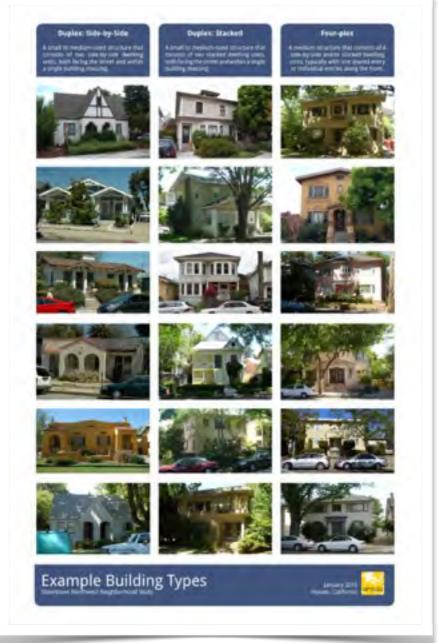
Capture and Understand Existing Character





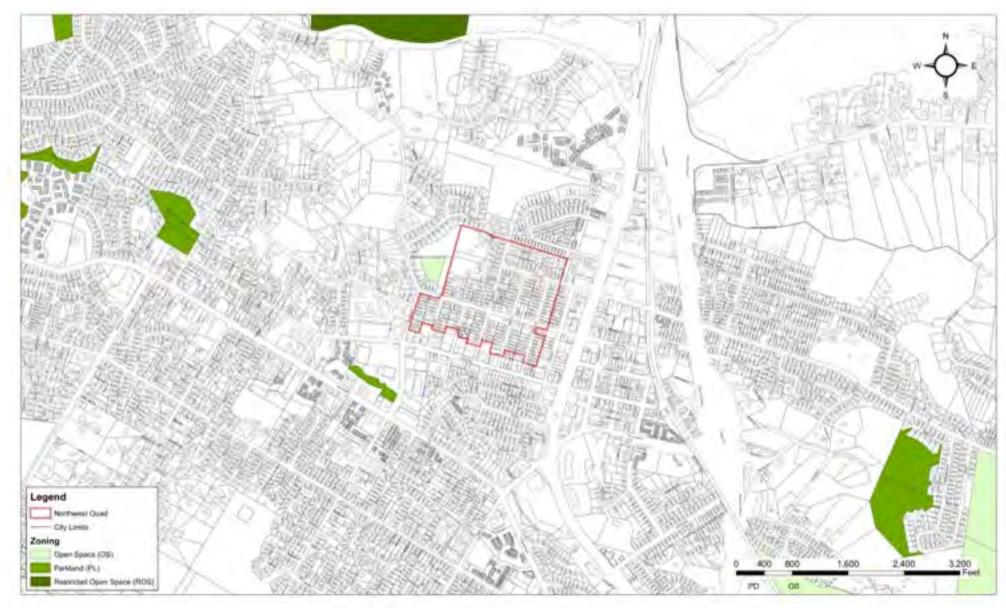
Introduction to Potential Building Types



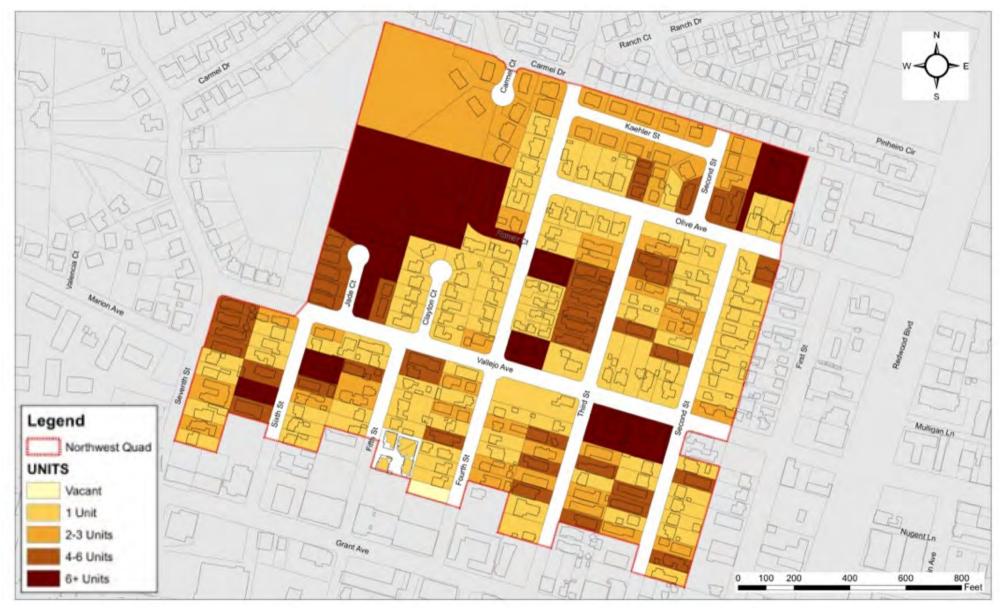


Mapping Analysis Step 2: Get a More In-Depth Understanding

Larger Context and Existing Open Space



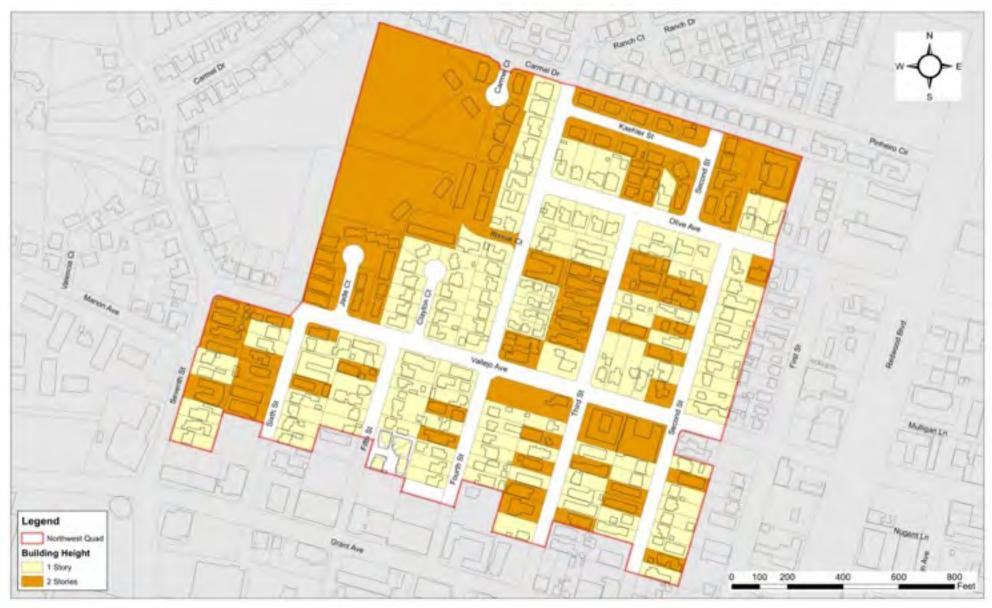
Existing Number of Units



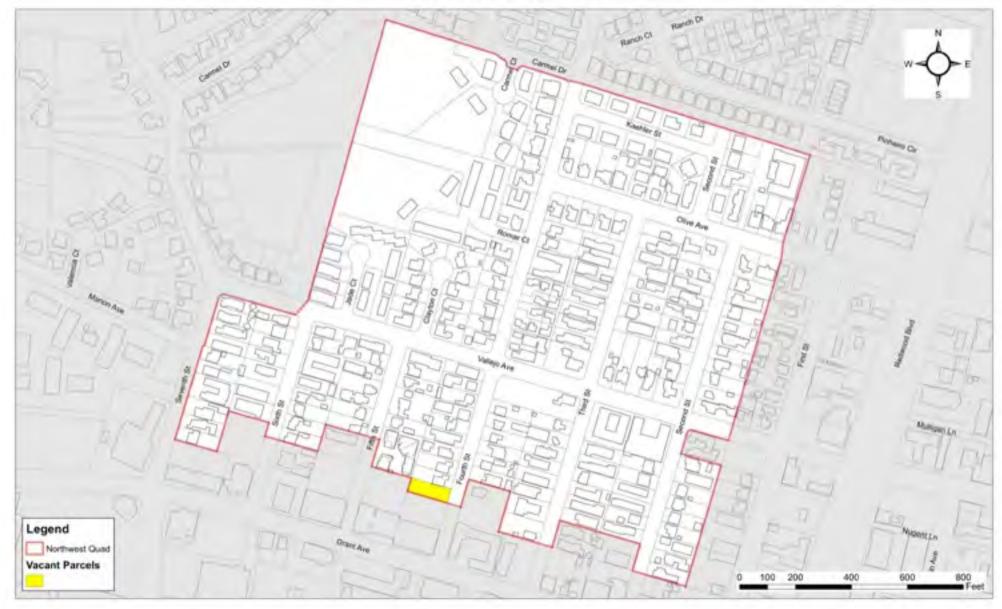
Building Footprints



Existing Building Heights



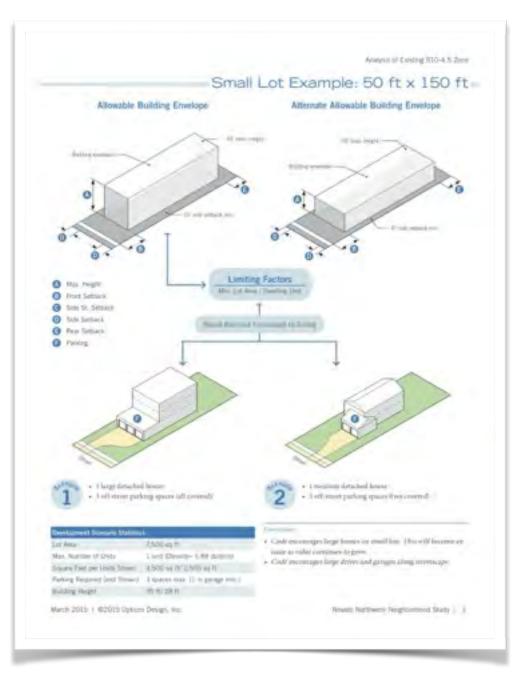
Vacant Parcels: Only I In the Planning Area



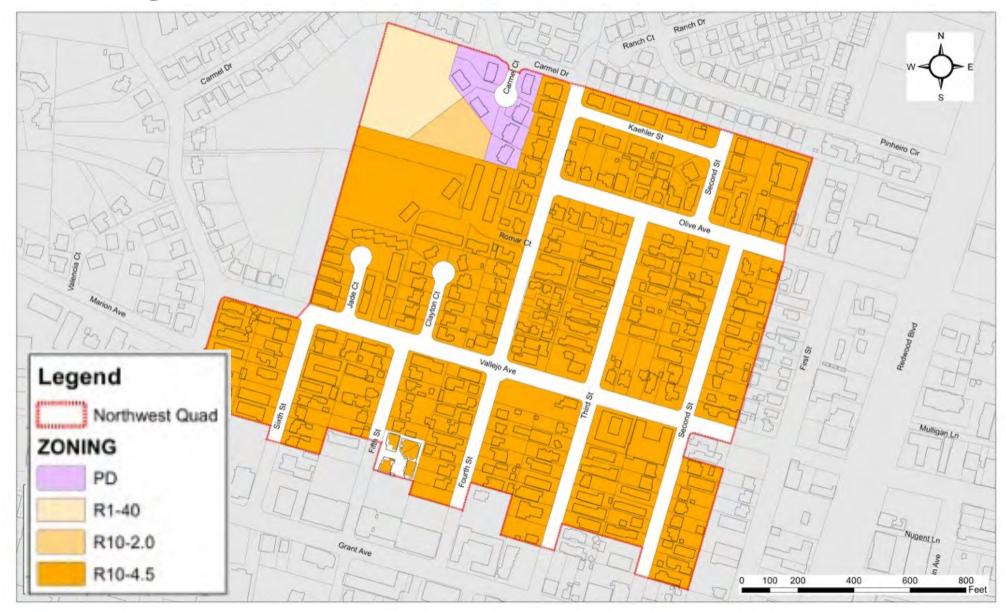
Zoning Analysis Step 3: Get a More Technical Understanding of the Rules

Why do we do this?

- I. What does current zoning actually encourage vs. intent? (Often find there is a disconnect.)
- 2. Getting beyond the numbers (density, lot cover, etc.) and understanding form the zoning is encouraging.



Existing Zones



Zoning Summary for R1-04.5

Existing Medium Density Multi-Family Residential District Regulations Max. Number Dwelling Units 1 du/ 4,500 st of site area Min. Lot Area 6.000 sf Min, Lat Dimensions 601 min, width 100' min. depth Max. Height. 35 ft. Min. Front Setback 20 ft 10 ft, or Min, Side Street Setback 20 feet (bidg, height >20 ft, or for garage using side street access) Min, Side Setback 6 ft (bldg, height <20 ft), or 10 ft (bldg, height >20 ft) 0 Min. Rear Setback 15 ft, or 20 ft (if rear property line abuts a single family zone) Max. Building Coverage 40% Floor Area Ratio n/a Multifamily Parking Count 1.2sp/studio; 1.5sp/1 bdrm; 2 sp/2 bdrm; 2.2 sp/3 bdrm; 1sp/ every 3 units for guests Single-Family Parking Count 2 sp/unit; 1 in garage; 3 max. Min. Open Space/Unit 500 sf (250 sf must be private) Notes: Max. 50% paved surface area in front setback. Allowable density reduced by 20 percent for lots less than 7,500 square feet or width less than 60 feet. Typical Assumptions for Buildians Examples on Following Pages: 10-ft side setbacks are used to take advantage of 35 ft height limit.

According to the General Plan, for the Northwest

Quadrant: "... Allow multi-family housing only in cases where the City makes the following findings: (1) That the rezoning. would not encourage the demolition of a sound dwelling.... (2) That the rezoning would not lead to the intrusion of apartments into a predominantly single-family area."



Photo showing neighborhood's existing random pattern of build-out



A large apartment building looming over a single-family home.

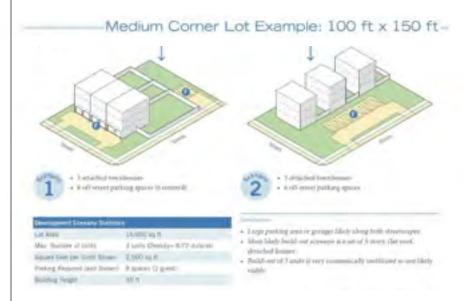
which allows for 11-ft tall ground floor and 10-ft tall upper floors.

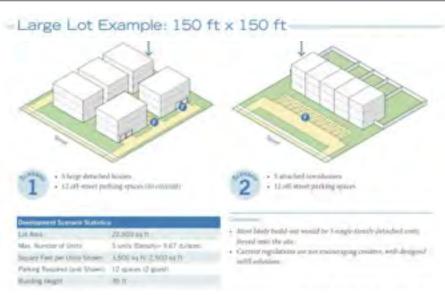
Number of Units Allowed in the Northwest Quadrant Neighborhood by Different Documents

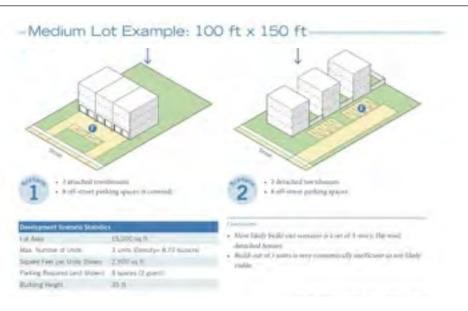
	RI-04.5 Zone	1996 Novato General Plan	1977 NW Quadrant Plan
50'x 50' lot		2	3
100'x150' lot	3	6	8
150'x150' lot	5	10	12

Methodology: Modeling Potential Lot Build-Outs

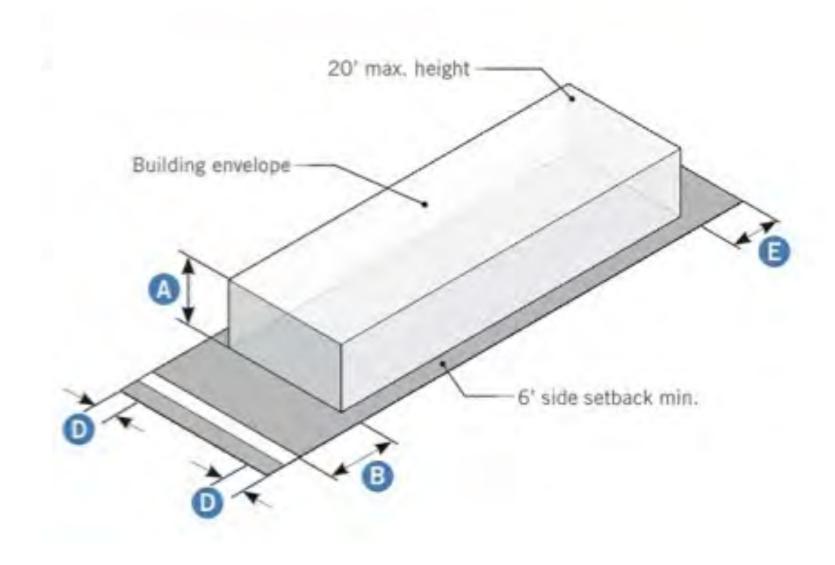








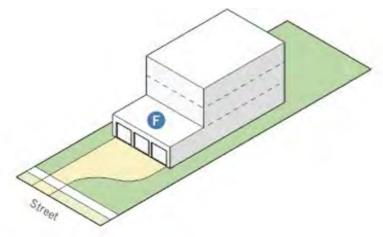
Step 1: Determine the Building Envelope Allowed



Step 2: Determine the Limiting Factor for Development

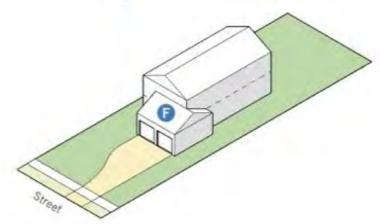
Max. Number Dwelling Units	1 du/ 4,500 sf of site area	
Min. Lot Area	6,000 sf	
Min. Lot Dimensions	60' min, width	
	100' min. depth	
Max. Height	35 ft	0
Min. Front Setback	20 ft	0
Min. Side Street Setback	10 ft, or 20 feet (bldg, height >20 ft, or for garage using side street access)	0
Min. Side Setback	6 ft (bldg. height <20 ft), or 10 ft (bldg. height >20 ft)	0
Min. Rear Setback	15 ft, or 20 ft (if rear property line abuts a single family zone)	0
Max. Building Coverage	40%	
Floor Area Ratio	n/a	
Multifamily Parking Count	1.2sp/studio; 1.5sp/1 bdrm; 2 sp/2 bdrm; 2.2 sp/3 bdrm; 1sp/ every 3 units for guests	0
Single-Family Parking Count	2 sp/unit; 1 in garage; 3 max.	0
Min. Open Space/Unit	500 sf (250 sf must be private)	
Notes:		
Max. 50% paved surface area	a in front setback.	
Allowable density reduced by square feet or width less tha	20 percent for lots less than 7,500 an 60 feet.	

Step 3: Design Likely Build Out Examples





- · 1 large detached house
- · 3 off-street parking spaces (all covered)





- · 1 medium detached house
- · 3 off-street parking spaces (two covered)

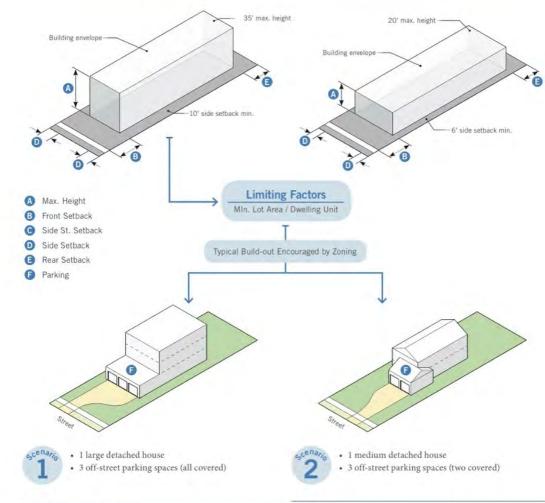
50×150 ft Lot **Findings**

- I. I unit allowed
- 2. 3 Stories allowed
- 3. If get new houses will likely have large driveways and garages facing the street
- 4. Due to proximity to downtown, may eventually get really large, high end single family home remodel/rebuild

Small Lot Example: 50 ft x 150 ft

Allowable Building Envelope

Alternate Allowable Building Envelope



Development Scenario Statistics

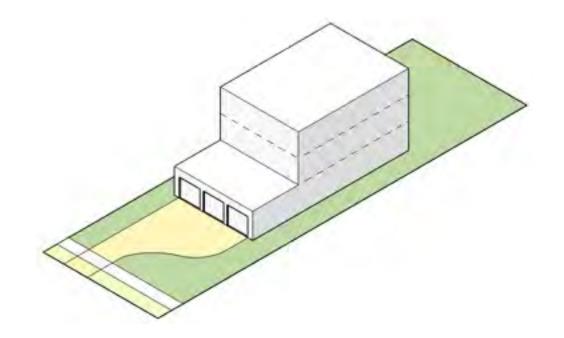
	Lot Area	7,500 sq ft	
	Max. Number of Units	1 unit (Density= 5.88 du/acre)	
	Square Feet per Units Shown	4,500 sq ft/ 2,500 sq ft	
	Parking Required (and Shown)	3 spaces max. (1 in garage min.)	
	Building Height	35 ft/ 28 ft	

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- · Code encourages large homes on small lots. This will become an issue as value continues to grow.
- Code encourages large drives and garages along streetscape.

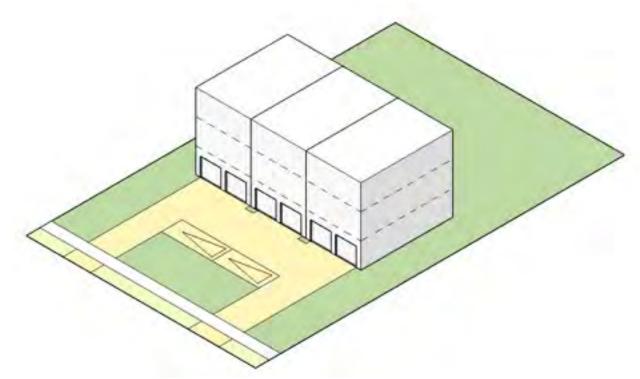
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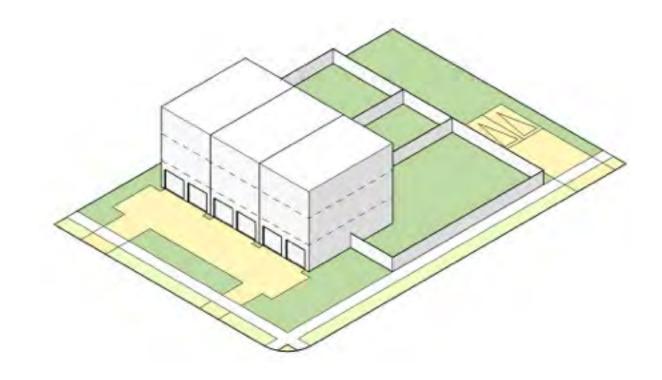
100 x 150 ft Lot

- 1. 3 units allowed. Not enough to encourage rebuild or major renovation.
- 2. 3 stories allowed
- 3. Likely result: 3 detached houses packed onto the site. Parking and garages out front.



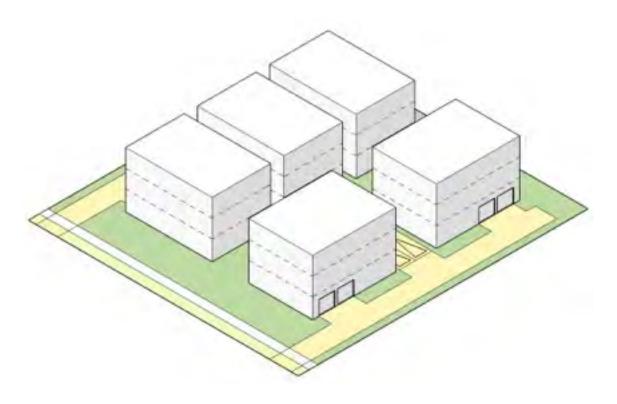
100 x 150 ft Corner Lot

- 1. 3 units allowed. Not enough to encourage rebuild or major renovation.
- 2. 3 stories allowed
- 3. Likely result: 3 detached houses packed onto the site. Parking and garages out front.



150×150 ft Lot

- 1. 5 units allowed. Not enough to encourage rebuild or major renovation.
- 2. 3 stories allowed
- 3. Likely result: 5 detached houses packed onto the site. Parking and garages out front or tucked under house.



Discussing Appropriate Neighborhood Form First: Introduction to Housing Types

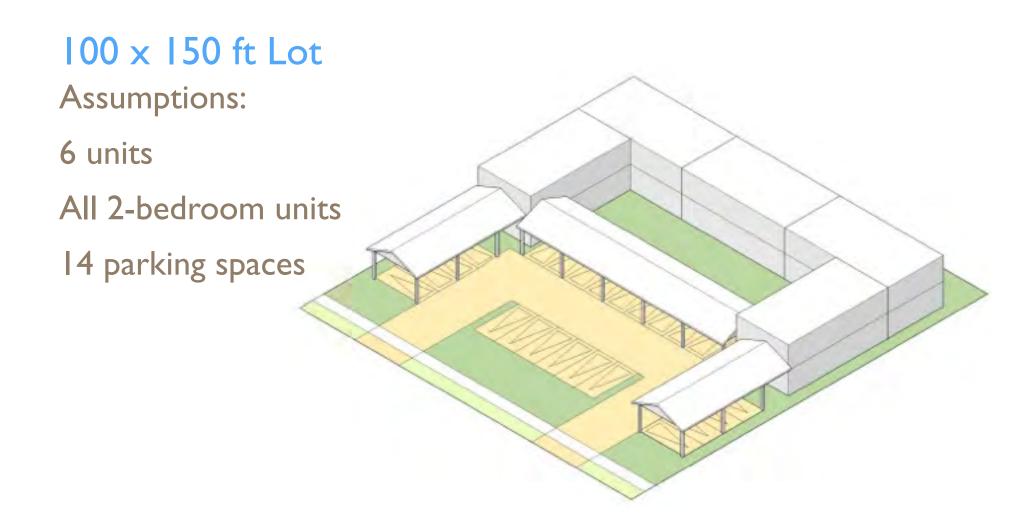
Why is This Important for Your Community and Your Practice?

A Tsunami is Upon Us

We Have Forgotten How to Build and Regulate Density



Lot Build-Outs Using Density Allowed by 1977 Neighborhood Plan





National Shortage of Small Lot and Attached Housing Units (C. Nelson).



Between Demand and Supply of Walkable Urban Living Choices (C. Leinberger)





Missing Middle Housing



Scale Between Single Family Housing and Stacked Flats

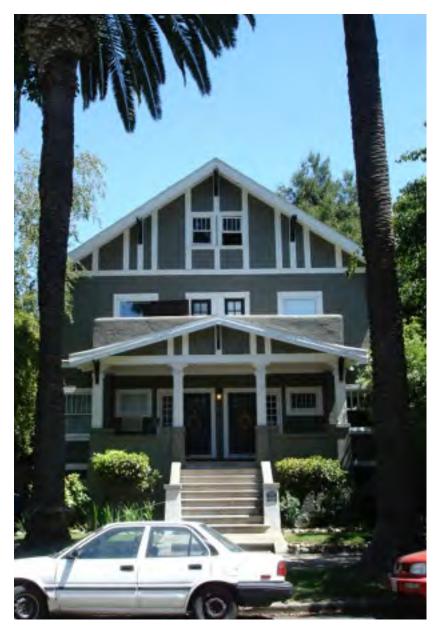
The "Missing Middle:" Sacramento, CA



Fourplex



Bungalow Court



Side-by-Side Duplex

The "Missing Middle" in Alameda, CA



Stacked Duplex



Fourplex



Fourplex



Bungalow Court

The "Missing Middle" in Berkeley, CA



Mansion Apartment



Stacked Duplex



Bungalow Court



Fourplex

Courtyard Apartments



Four/Sixplexes



Duplexes: Stacked



Bungalow Courts



Townhouse



Mansion Apartment



Typical Lot	Density (8 units/lot)	Density (10 units/lot)
100' x 125'	28 DU/Acre	35 DU/Acre
85' x 125'	33 DU/Acre	41 DU/Acre
80' × 85'	51 DU/Acre	NA

Missing Middle Housing © 2015 Opticos Design, Inc. | 51

Important Characteristics of "Missing Middle" Housing

Getting it Right: Not Just Medium Density Housing

It is Set in A Walkable Urban Context

"What can I walk to?"

Urban Amenities and the Competitive Advantage



Live-Work: Great for Transitions from Main Streets





South Main, Buena Vista, CO. Opticos Design

B

Small Footprint, Blended Densities

Mixing Housing Types

What's in Common? Small Footprint (Depth and Width)



Blending Density: Diff. Densities, but Compatible Forms



C > Lower Perceived Densities

Perception if 90% of the Issue

This is 24 du/acre, but Looks Like a House

"Particularly in the Southwest, the fundamental form of the time can best be expressed in a language native to the region. These ancient shapes are modern!"

~ John Gaw Meems



Local, Green and Affordable

Looking at regional building types and construction techniques to provide an affordable housing model for the City of Santa Fe

Same Scale as a House



D

Well-Designed, Smaller Units

Trading Quantity for Quality

Not Same Suburban Unit Type in Urban Context

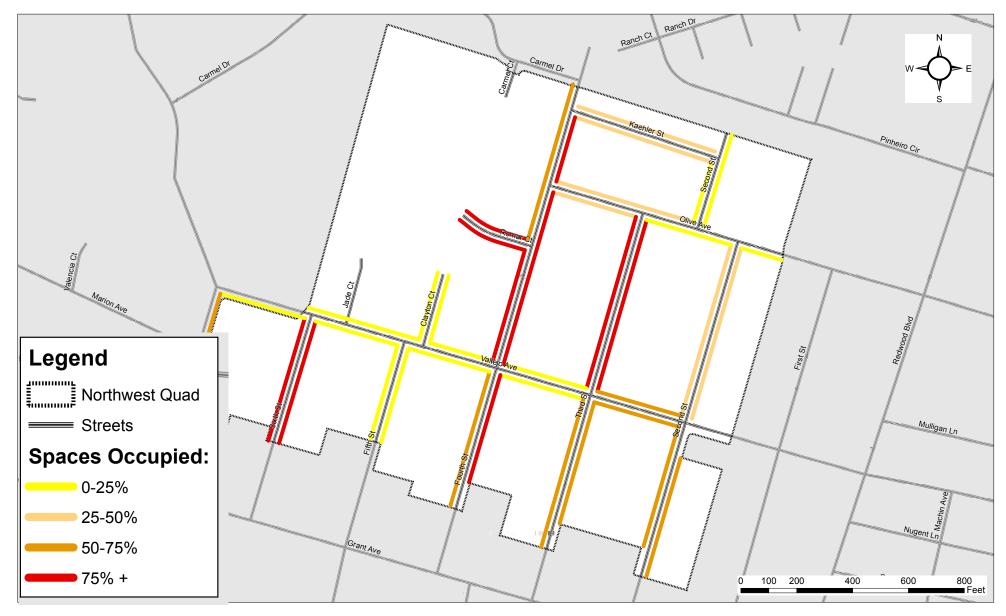


E

Off-Street Parking Does Not Drive the Site Plan

Is Possible Due to Walkable Context

On Street Parking Assessment





Otherwise You Get This



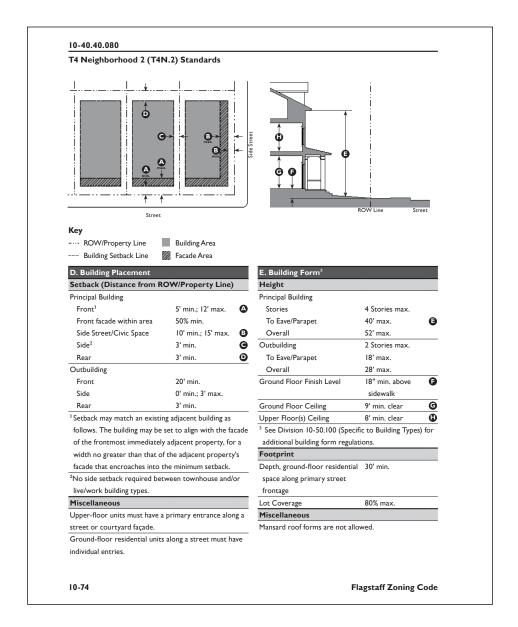
Creating Regulations that Encourage and Incentivize Compatible Housing

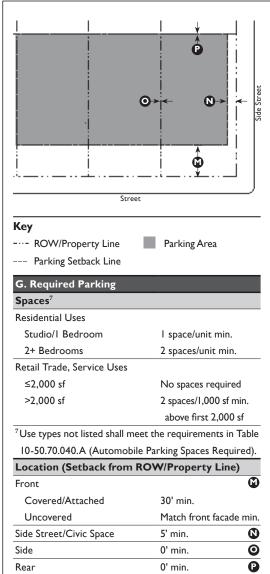
First Select Mix of Housing That is Compatible



Not Starting with Density or Use - Form First

Write Form-Based Regulations That Reinforce Those Types





Make the Zoning Code/Rules Graphic, Clear, and Predictable



7 Conclusion

What Mix of Housing is Right Here?



Scale Between Single Family Housing and Stacked Flats

Question to Consider: Should Block Closest to Grant Avenue be Thought About Differently Than Other Blocks







