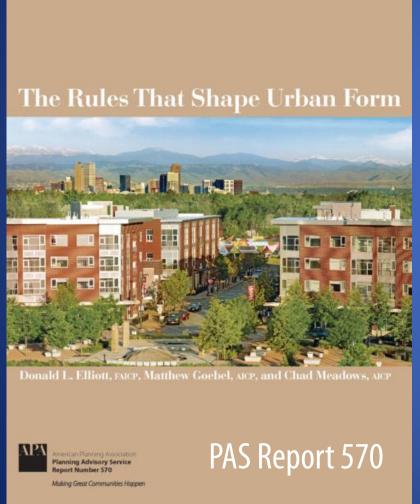
2013 APA-PA Conference

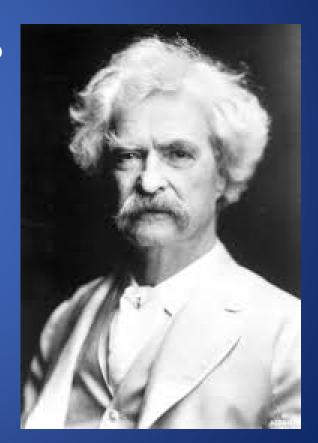


Don Elliott, FAICP Chad Meadows, AICP Clarion Associates

What is it (from a new angle)?

How is it being used?

What are we learning?



First . . .

There were nuisances

From WAY back

Then there was zoning

Remember Euclid

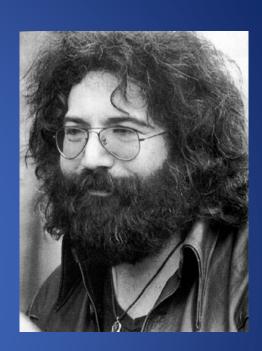
Then zoning got too rigid

Too many districts and uses

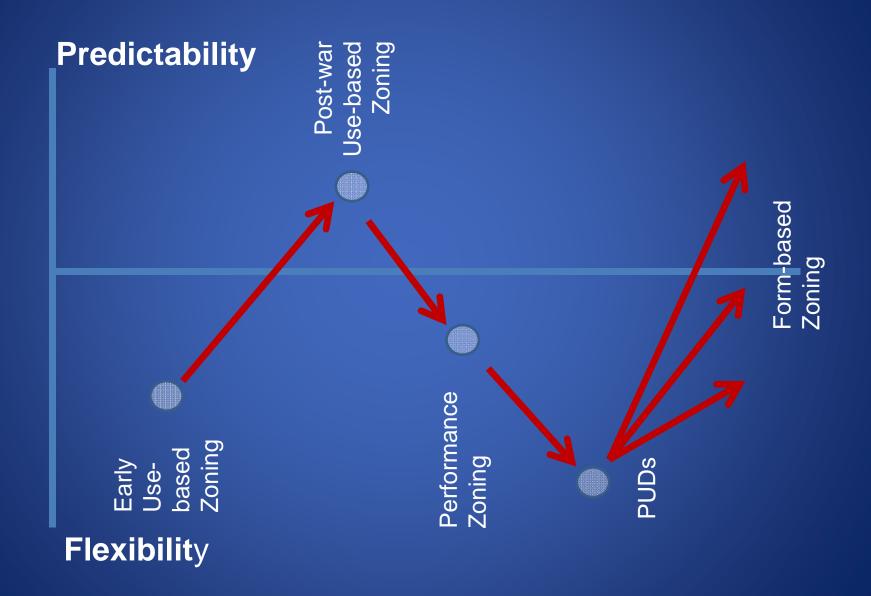
Then zoning got too flexible

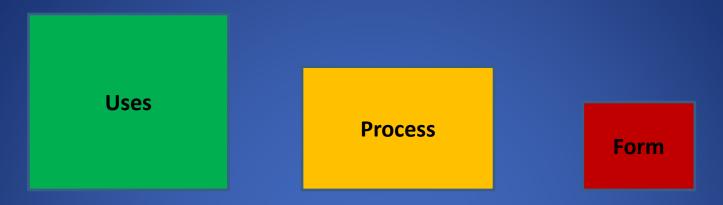
PUDs and performance zoning reduce predictability

Then zoning got form-based



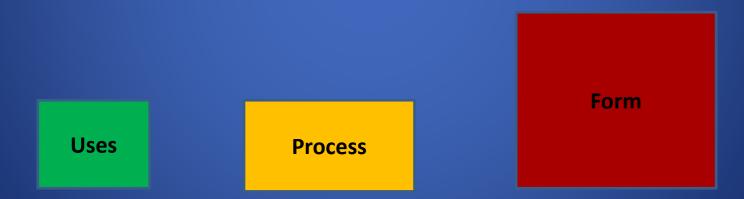
The Path of Zoning Evolution



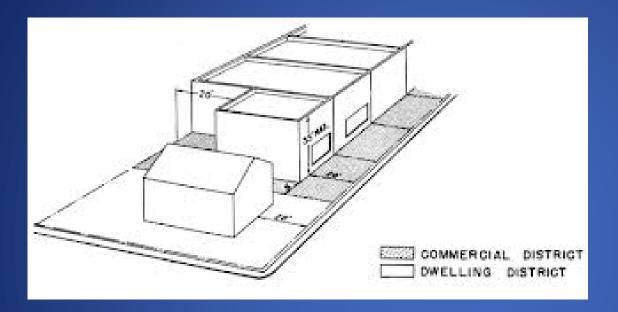


Myth 1: Traditional zoning is based on use separation.

False: It is based on use regulation – but mixes are always allowed



Myth 2: Form-based zoning ignores uses – anything goes anywhere False: Uses are regulated – just more lightly – and secondarily

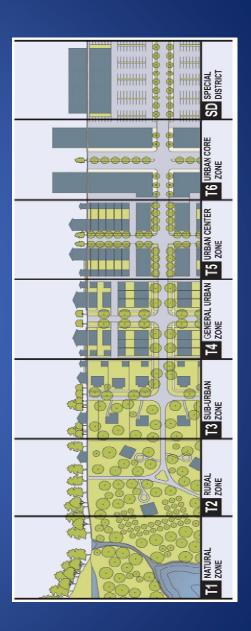




Downtown Building

FBCI Core Elements List

- Building Form Standards
- Building Type Standards
- Frontage Type Standards
- Public Space Standards
- Block and Subdivision
 Standards
- Regulating Plan



Building Forms & Types

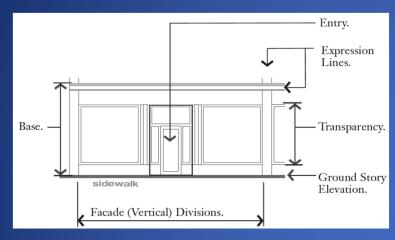


Downtown Building



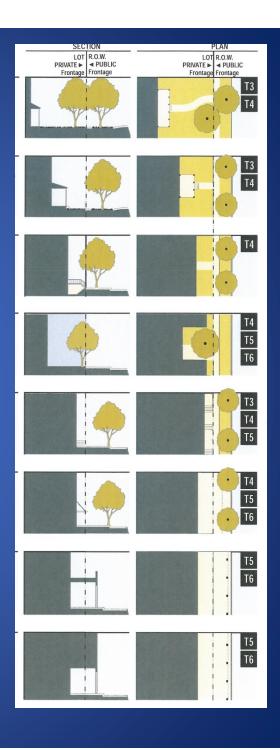
				Distr	icts		
		MS-1 (Main Street)	MS-2 (B Street)	MS-3 (Transitions)	DT-1 (High Street)	DT-2 (Support)	DT.3 (East High)
	Storefront Building	•		•	•	•	•
S	General Stoop Building		•	•		•	•
Type	Cottage Commercial	•	0	•			•
Building Types	Civic Building		•	•	•	•	•
BG 1	Row Building		•			•	
ı	Parking Structure					•	

Frontage Types

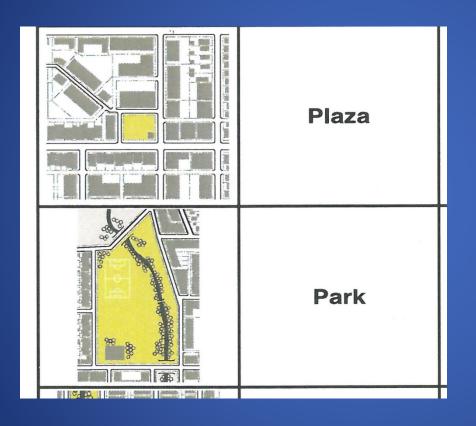


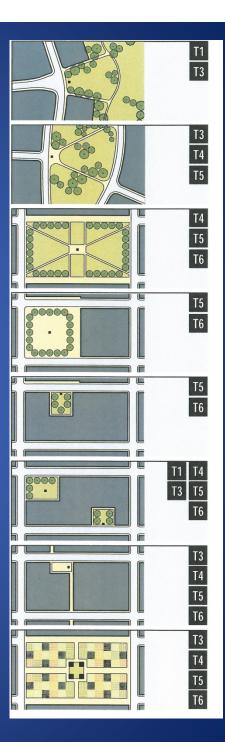
Storefront Frontage





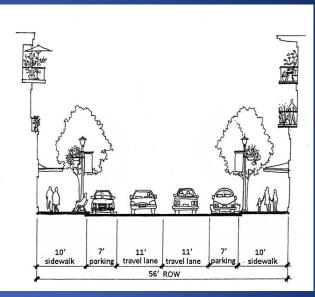
What is Form-based Zoning? Public Space Standards

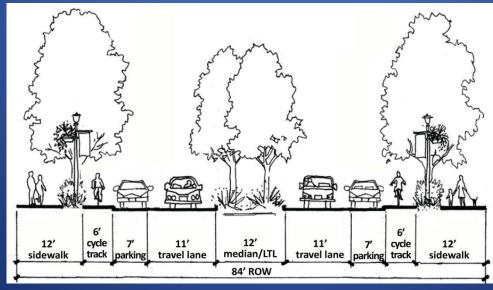




Public Space Standards

Sometimes Include Thoroughfare Standards

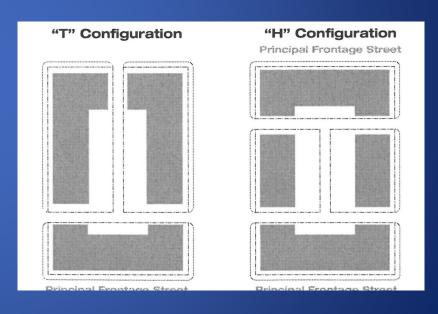




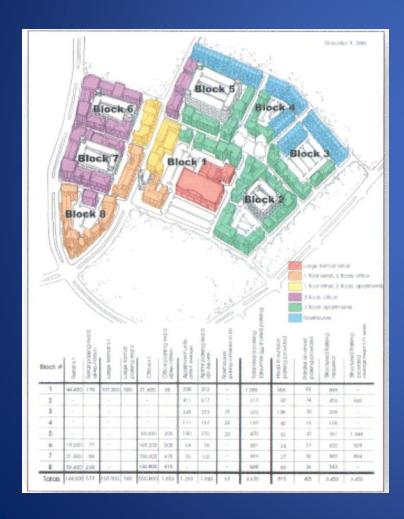
Block and Subdivision Standards

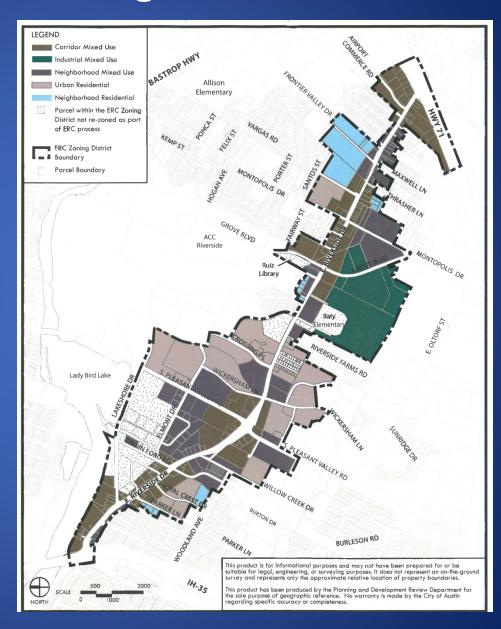
Table 153.060-A. Maximum Block Dimensions

MAXIMUM BLOCK DIMENSIONS								
BSC DISTRICTS	LENGTH (FT)	PERIMETER (FT)						
Residential	425	1,450						
Office Residential	500	1,750						
Office	500	1,750						
Commercial	500	1,750						
Historic Residential	200	800						
Historic Core	200	800						

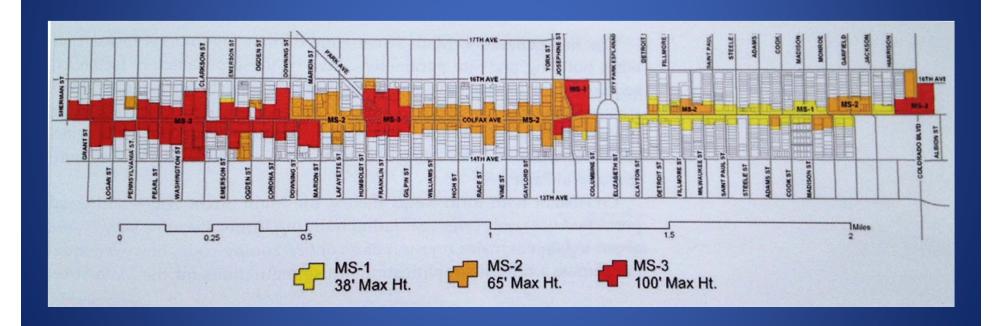


Regulating Plan





Regulating Plan

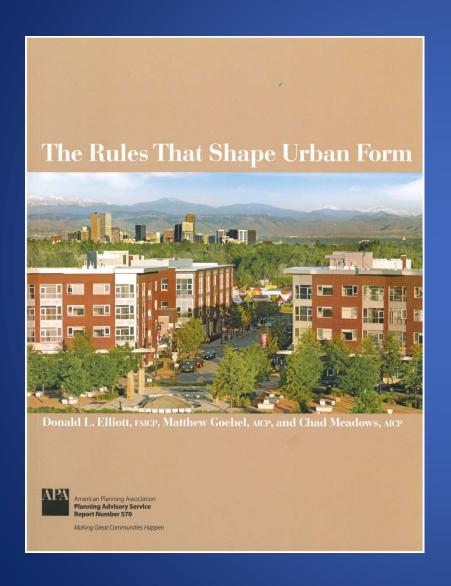


By-right Development?



Not Really – All New Codes Try to Do That

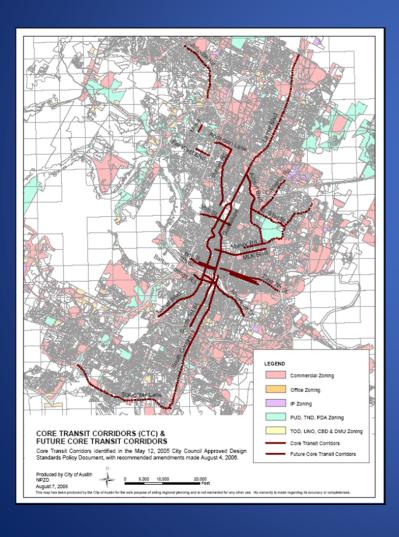
- All code reforms simplify uses
- Most code reforms try to define permitted shapes, forms, or types development to avoid site plan hearings whenever possible
- Form-based controls are a good way to sell use simplification







Austin TX



1-POINT OPTIONS

Achieve City of Austin Green Building Program 1star rating.

Provide for liner stores in building façade.

Provide façade articulation meeting specified standards.

Provide primary entrance design meeting specified standards.

Provide roof design meeting specified standards.

Provide building materials meeting specified standards.

2-POINT OPTIONS

Achieve City of Austin Green Building Program 2-star rating.

75% of façade facing principal street consists of storefronts with at least 2 separate entrances facing principal street.

Provide sustainable roof meeting specified standards.

Integrate solar power generation into building design.

3-POINT OPTIONS

Develop VMU building.

Mooresville NC

										T	ABLE	5.1.4	: TAB	LE O	FALL	OWE	D USI	ES [1]												
	DH = DETACHED HOUSE AR = ATTACHED RESIDENTIAL MA = MANSION APARTMENT NA = NOT APPLICABLE							Δ	ILOI	LLOWABLE BUILDING FORMS CV = CIVIC SF = SHOPFRONT WP = WORKPLACE CR = COMMERCIAL/RETAIL								FX = FLEX/INDUSTRIAL LR = LARGE RETAIL												
			-2	R	-3		-5		ΛX		IX- IH	TNI	o-c	NA	ΛX	CI	νx	Н	IB		C		С		SI		1		:-C	
USE CATEGORY	USE TYPE [2]	Use	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM	ADDITIONAL REQUIREMENTS						
Restaurant	Restaurant without Drive- Through Service							С	SF			С	SF	Р	SF WR	P	SF WP CR	P	SF WP CR	С	CV SF WP	Р	CV SF WP			Q		P	CV SF WP	5.3.3 (7)
Rest	Restaurant with Drive- Through Service													С	SF WP	P	SF WP CR	Р	SF WP CR					С	WP CR			С	CV SF WP	5.3.3 (7)
ses	Bar, Nightclub, or Similar Establish- ment											С	SF			С	CV SF	P	SF WP CR	С	SF WP	С	SF WP	С	WP CR					5.3.3 (8) (A)
Service	Crematory																	С	CV WP					С	WP	С	CR WP			
Retail Sales and Services	Retail/ Service Use with Gasoline Sales											Р	SF WP	С	SF CR	P	SF CR	P	SF CR	С	CV SF WP	С	CV SF WP	С	WP CR			С	WP CR	5.3.3 (8) (B)
Reto	Type I Retail Use							С	DH AR SF	C	DH AR SF	P	DH AR SF WP	P	DH AR CV SF	P	DH AR CV SF WP	P	DH AR CV SF WP CR	P	DH AR CV SF	P	DH AR CV SF	С	SF WP			Р	SF WP	5.3.3 (8) (D)

Mooresville NC



Commercial/Retail



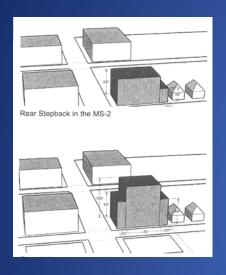
Workplace



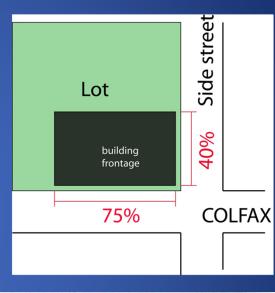
Shopfront

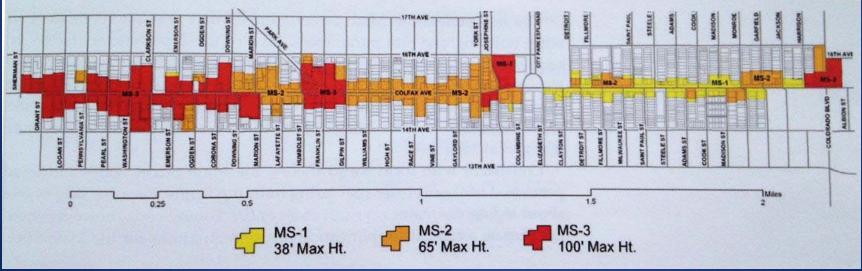
	TABLE 5.1.4: TABLE OF ALLOWED USE																
	DH = DETACHED HOUSE AR = ATTACHED RESIDENTIAL CV = CIVIC MA = MANSION APARTMENT NA = NOT APPLICABLE SF = SHOPFRONT																
)RY		R-	-2	R	-3	R	R-5		RMX		RMX- MH		o-c	NMX		x CMX	
USE CATEGORY	USE TYPE [2]	Use	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM	USE	BLDG. FORM						
Restaurant	Restaurant without Drive- Through Service							υ	SF			Co	SF	<u> </u>	SF WR	P	SF WP CR
Rest	Restaurant with Drive- Through Service													U	SF WP	P	SF WP CR
ces	Bar, Nightclub, or Similar Establish- ment											С	SF			С	CV SF
Servi	Crematory	ě.															
Retail Sales and Services	Retail/ Service Use with Gasoline Sales											Р	SF WP	С	SF CR	P	SF CR
Reto	Type I Retail Use							С	DH AR SF	С	DH AR SF	P	DH AR SF WP	P	DH AR CV SF	P	DH AR CV SF WP

Denver Main Street

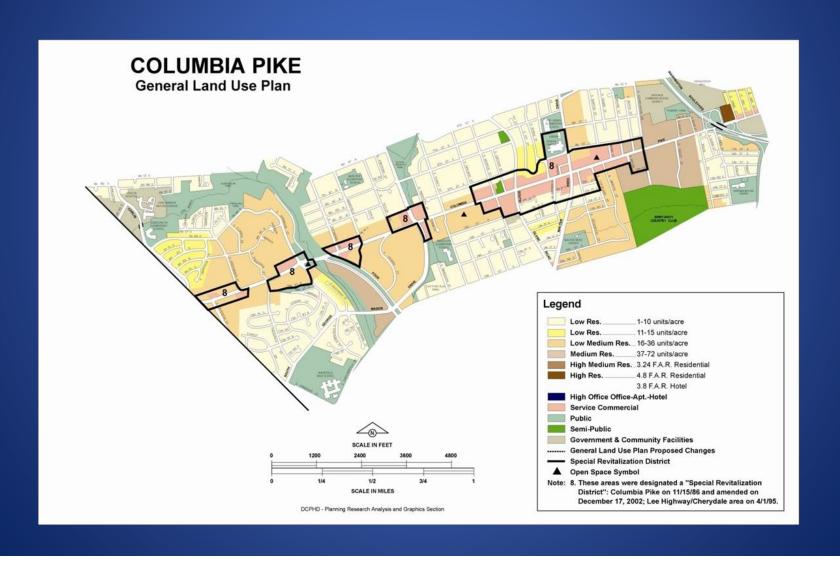








Arlington County VA Columbia Pike



Arlington County VA Columbia Pike

Very Detailed Standards

- · Blocks and Alleys,
- · Streetscape,
- · Parking,
- · Retail,
- Historic Preservation,
- Public Improvements, and
- Buildings



- Height,
- Use Requirements,
- Building Placement, Building Elements,
- Architecture

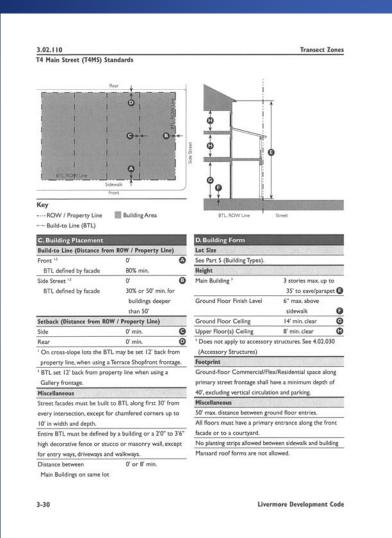




- Building
- · Walls
- Roofs and Parapets
- · Street Wall Required
- · Windows and Doors
- Lighting
- Signage
- Mechanical Equipment



Livermore CA Hybrid Code



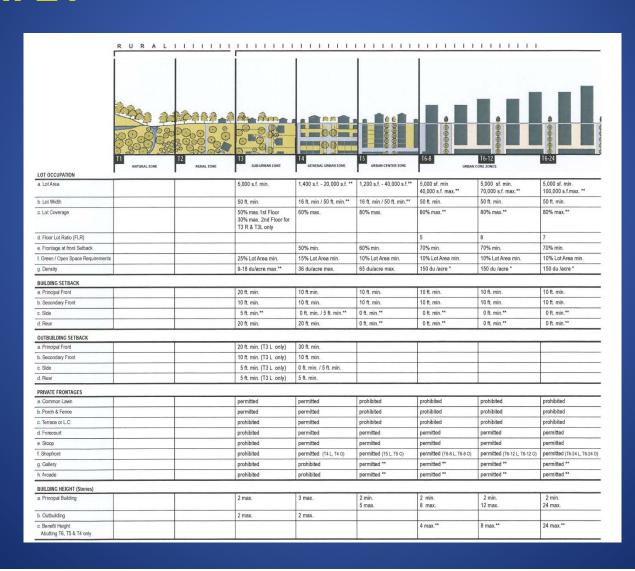
Smart Code Structure for Entire Mandatory Code

Form controls only for T3 and T4 areas

Form controls apply to <5% of land

Remainder left in traditional /PUD zoning

Miami 21



The Take-aways

	Austin	Mooresville	Denver MS	Arlington	Livermore	Miami
Building Types	0					
Frontage Types						
Public Space Standards						
Block & Subdivision						
Regulating Plans						
By Right Development						

The Rules That Shape Urban Form The Take-aways



Form-based controls and other planning goals



- Sustainability
- Demographic change
- Housing affordability
- Historic preservation







Sustainability

- No widely accepted definition of sustainability
- Zoning-related elements
 - Air quality / climate change
 - Energy conservation
 - Water conservation
 - Food supply
 - Community health



Do form controls aid in promoting sustainability?

Air quality / climate change	Yes	Mixed-uses and alternate modes reduce VMT & CO2, but slower vehicle speeds increase emissions
Energy conservation	Somewhat	Shading from street trees and controls favor walking over driving
Water conservation	No	Higher intensity and lot coverages prevent infiltration & increase run off
Food supply	No	Dense development patterns reduce the land availability for planting
Community health	Yes	Encourage walkability and civic areas foster human interaction
Limit sprawl	Somewhat	"Locking" T2 prevents sprawl, but locking T3 prevents density increases

Demographic Change

- Average age increasing
- # of kids decreasing
- Household size decreasing
- Ethnic diversity increasing
- Multi-generational households increasing
- Average home size decreasing
- Income decreasing
- Percentage of renters increasing
- Telecommuting increasing



Do form controls aid in addressing demographic change?

Slower growth rate	Somewhat	Place-making attracts talent which can foster innovation and economic output						
Aging population	Somewhat	Fosters housing diversity in T3-T6, but limits on first floor residential can impede mobility						
Declining household size	Yes	Smaller lots and units						
Changing ethnic composition	No	Higher home prices and emphasis on urban locations						
Changing locational preference	Somewhat	Favors urban housing, but seldom applied in suburban contexts						
Reductions in retail/office uses	No	Mixed-use requirements can foster over- supply						

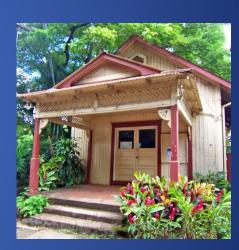
Housing Affordability

- Average market prices of housing have been rising faster than average wages for the last 50 years
 - % of income spent on rent:

• 1960: 19%

• 2005: 29%

- From 2001-2005:
 - Home ownership costs rose 18%
 - Median income rose by 11%
- Real income declined during the 2000's for the first time in nation's history



Do form controls aid in addressing housing affordability?

Housing variety	Somewhat	Multi-story and mixed use requirements foster variety, but these units are often expensive
Ease of evolution	Yes	Decreased emphasis on use allows upper-story conversion and by-right development removes procedural obstacles
Controlling building costs	No	Façade design elements and minimum heights increase costs
Increasing density	Somewhat	Smaller units, but few bonuses and reduced over-supply of residential land
Lowering other costs	Yes	Reduced auto dependence and transportation costs

Historic Preservation

- The desire for historic preservation is becoming more pronounced
- The range of tools
 available for
 preservation is limited
- There can be significant opposition to district designation
- Form controls can help address these problems

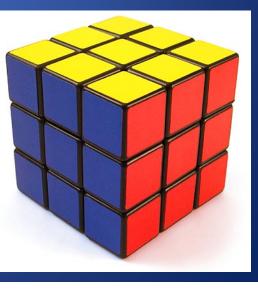
Do form controls aid in addressing historic preservation?

Reinforce historic patterns	Yes	Protects character but avoids opposition stemming from district designation
Tailored building forms	Yes	Clarifies acceptable infill and redevelopment parameters up front
Ease of administration	Yes	By-right approvals simplify the process and encourage preservation
Ease of establishment	No	Significant effort to codify context
Application to other techniques	Somewhat	Potentially useful in neighborhood conservation overlays

The Rules That Shape Urban Form When using form controls, "unpack" the concepts and use only the pieces you need



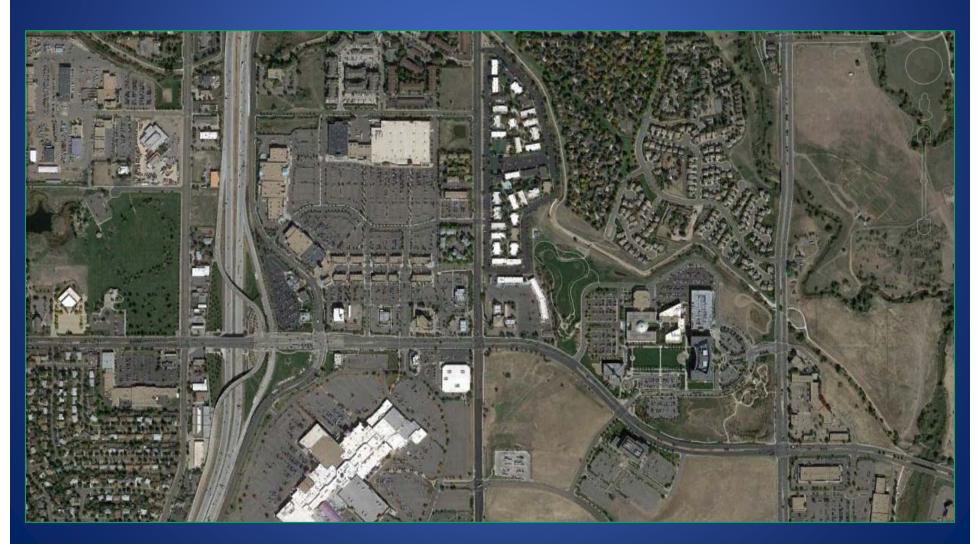




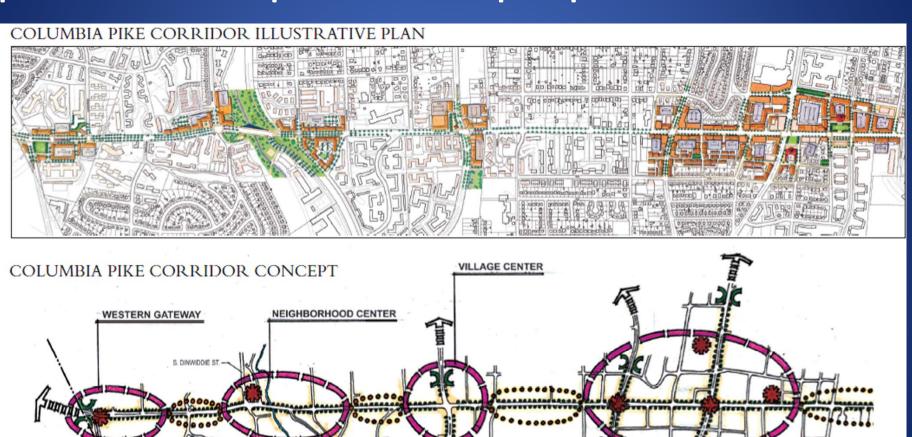
Six Questions to Consider Before Preparing Form Regulations...



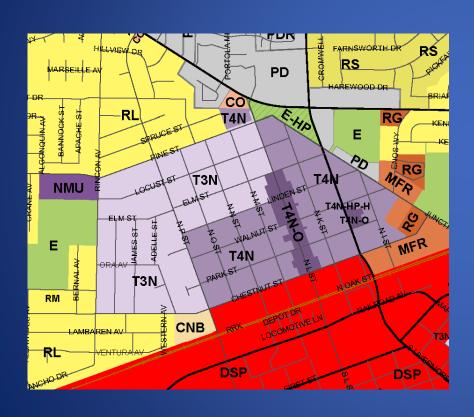
1. Will the form controls cover the entire community, or just certain areas?

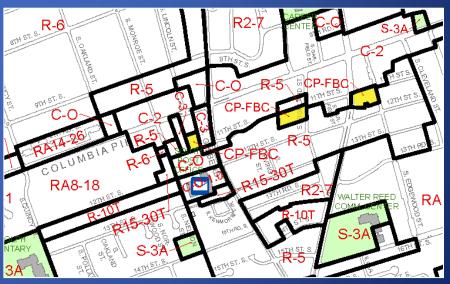


2. If applied to a particular area, has a place-based plan been prepared?

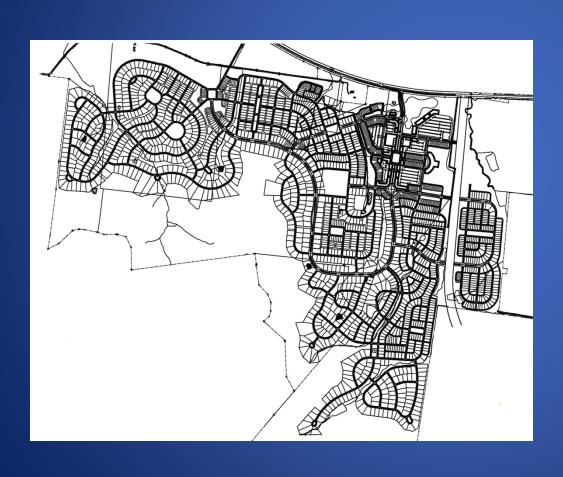


3. Will the regulations be mandatory or optional?





4. Are the regulations for greenfield, major redevelopment, or small infill?





5. Will the form controls be "contextual" or "prescriptive"?

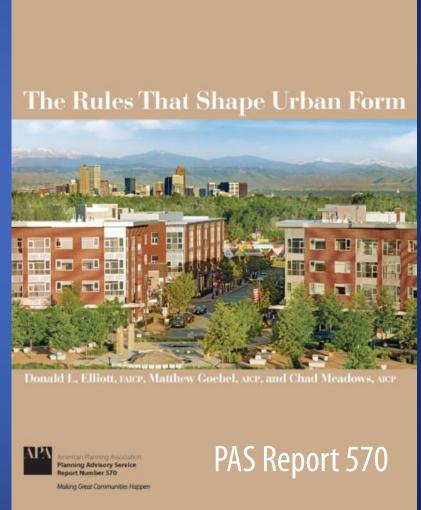




6. How will you handle nonconforming development?



Questions?



Clarion Associates