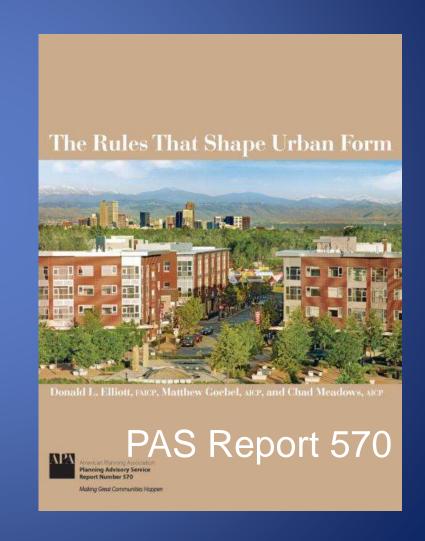
Rocky Mountain
Land Use Institute
Denver, CO
March 14, 2014

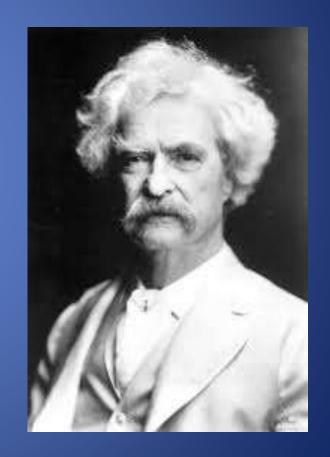
Don Elliott, FAICP Clarion Associates, Denver, CO



What is it?

How is it being used?

What are we learning?



First ...

There were nuisances

From WAY back

Then there was zoning

Remember Euclid

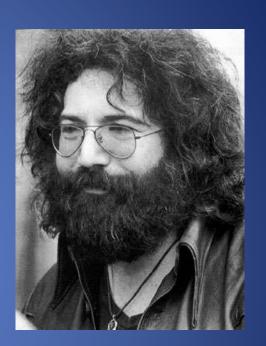
Then zoning got too rigid

Too many districts and uses

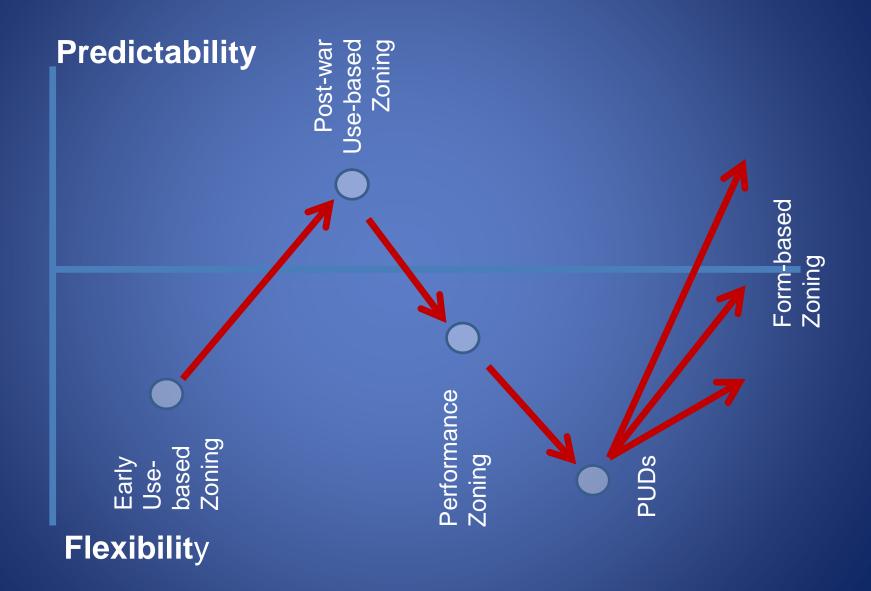
Then zoning got too flexible

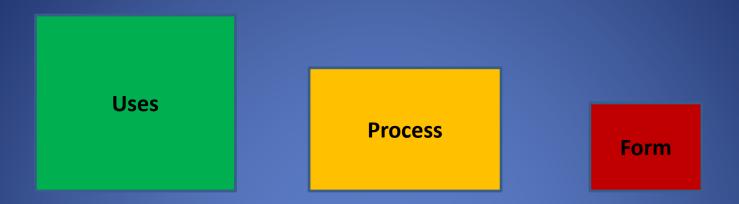
PUDs and performance zoning reduce predictability

Then zoning got form-based



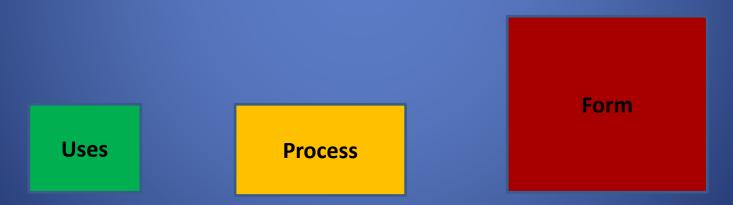
The Path of Zoning Evolution



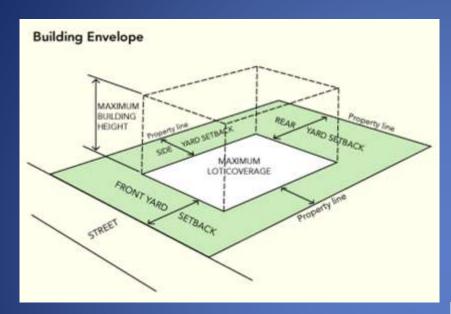


Myth 1: Traditional zoning is based on use separation.

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

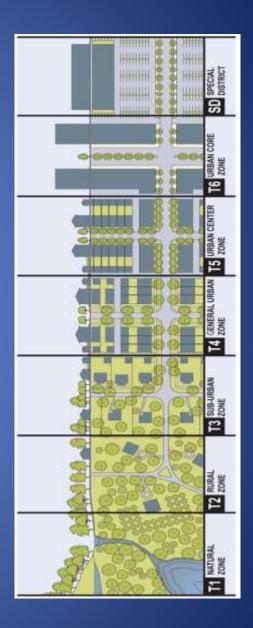




Downtown Building

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

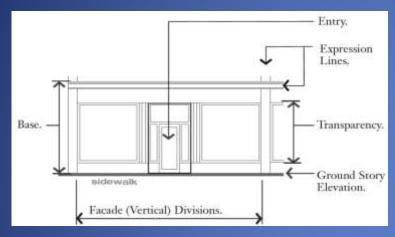


	Building	iypesi	by Dist	TICTS			
				Distr	icts		
		MS-1 (Main Street)	MS-2 (B Street)	MS-3 (Transitions)	DT-1 (High Street)	DT-2 (Support)	DT.3 (East High)
	Storefront Building	•		•	•	•	•
S	General Stoop Building		•	•		•	•
Type	Cottage Commercial	•	0	•			•
Building Types	Civic Building		•	•	•	•	•
Bu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

= Permitted on secondary street only

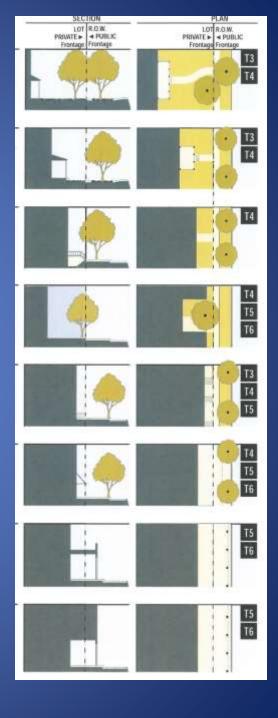
Table 1129.40 (1). Permitted Building Types by District.

Frontage Types

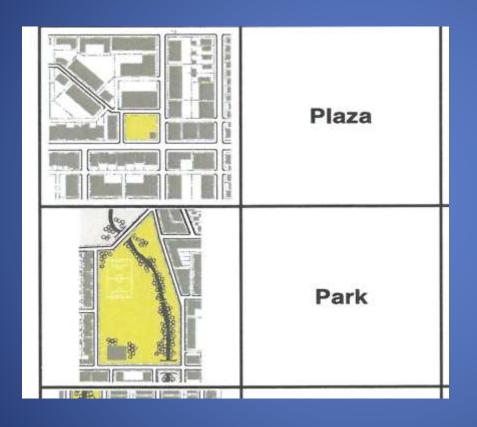


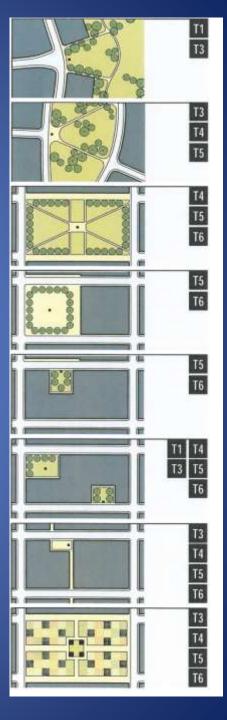
Storefront Frontage





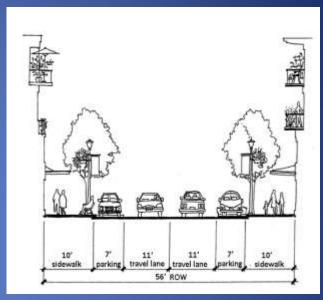
What is Form-based Zoning? Public Space Standards

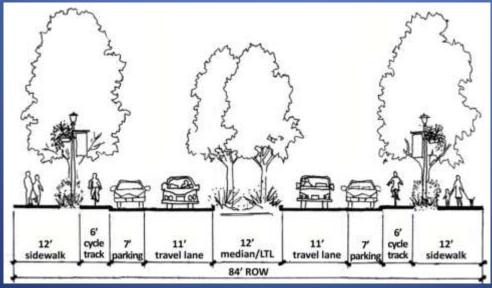




Public Space Standards

Sometimes Include Thoroughfare Standards

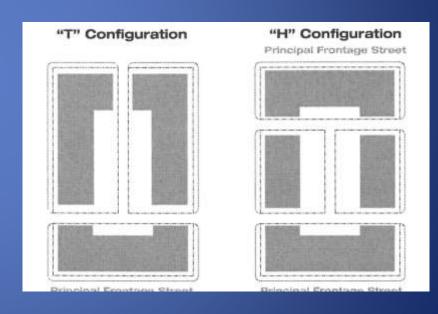




Block and Subdivision Standards

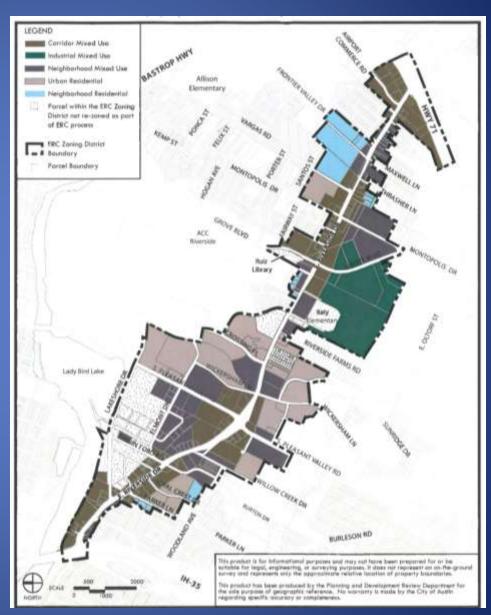
Table 153.06	0-A. Maxim	um Block I	Dimensions
--------------	------------	------------	------------

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							
120 1211 123									

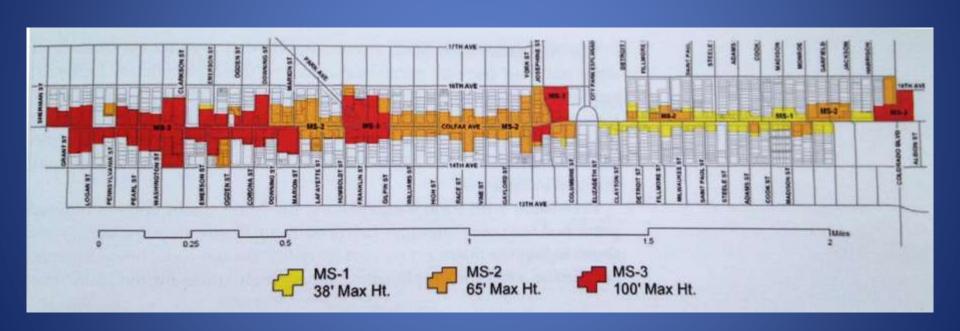


Regulating Plan





Regulating Plan

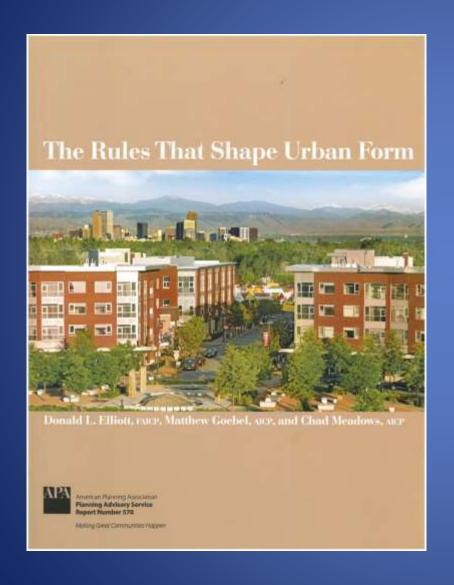


By-right Development?



Not Really – All New Codes Try to Do That

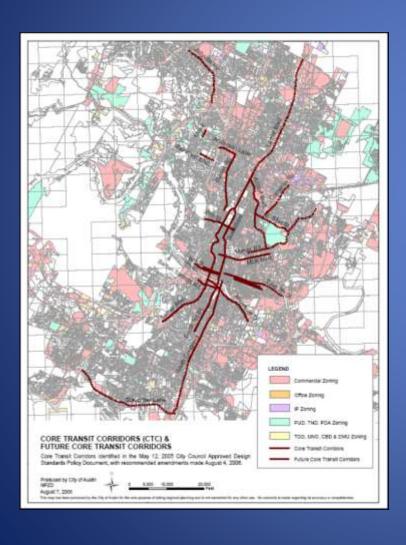
- All code reforms simplify uses
- Most code reforms try to define permitted shapes, forms, or types development to avoid site plan hearings whenever possible
- Form-based controls are a good way to sell use simplification







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

1000	H = DETACHED = MANSION A				,		Aπac = No			LE		ILOV		CV:	LDIN CIV OPFR	С	RMS		CR		- WOI		CE /RETAI	L				X/IND				
N.		R	-2	R-3		R-3		R	-5	R۸	ΛX	RM M		TNE	D-C	NA	ΛX	C	ΛX	Н	В	٧	С	T	С	(i i	E	1	PC	-c	- E
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	USE	BLDG. FORM	USE	BLDG. FORM	Use	BLDG. FORM	ADDITIONAL REQUIREMENTS		
Restaurant	Restaurant without Drive- Through Service							С	SF			С	SF	P	SF WR	P	SF WP CR	P	SF WP CR	С	CV SF WP	Р	CV SF WP	W .				P	CV SF WP	5.3.3 (7)		
Resto	Restaurant with Drive- Through Service											1		С	SF WP	P	SF WP CR	P	SF WP CR	(No. 17)	L.			С	WP CR			С	CV SF WP	5,3,3 (7)		
ses	Bar, Nightclub, or Similar Establish- ment				3=3				THE STATE OF			O	57			С	CV SF	Р	SF WP CR	С	SF WP	С	SE WP	U	WP CR					5.3.3 (8) (A)		
Service	Crematory																	С	CV WP		8			С	WP	С	CR WP					
Retail Sales and Services	Retail/ Service Use with Gasoline Sales											P	SF WP	С	SF CR	P	SF CR	P	SF OR	O	CV SF WP	c	CV SF WP	υ	WP CR		C 10	С	WP CR	5,3,3 (8) (B)		
Reta	Type I Retail Use				81			С	DH AR SF	С	DH AR SF	P	DH AR SF WP	P	DH AR CV SF	P	DH AR CV SF WR	P	DH AR CV SF WP	P	DH AR CV SF	P	DH AR CV SF	U	SF WP			P	3F WP	5.3.3 (8) (D)		

Mooresville NC



Commercial/Retail



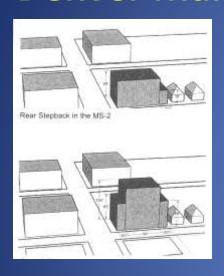
Workplace



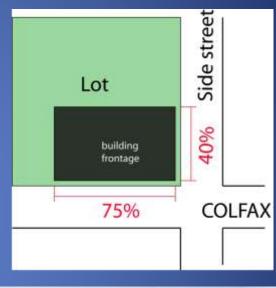
Shopfront

	H = DETACHED				4	355000			ESIDE	77.77	4	ILOI		CV	LDIN CIVI	C	RMS
USE CATEGORY		R-	R-2		3	R-5		R۸	RMX		RMX- MH		o-c	NMX		СМХ	
	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
Restaurant	Restaurant without Drive- Through Service							С	SF			G	SF	P	SF WR	P	SF WP
Rest	Restaurant with Drive- Through Service) (i) (i) (i) (i) (i) (i) (i) (i) (i) (i		С	SF WP	P	SF WP CR
sec	Bar, Nightclub, or Similar Establish- ment											С	SŦ			С	CV SF
e Z	Crematory																
Retail Sales and Services	Retail/ Service Use with Gasoline Sales											P	SF WP	с	SF CR	P	SF CR
	Type I Retail Use				18			U	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

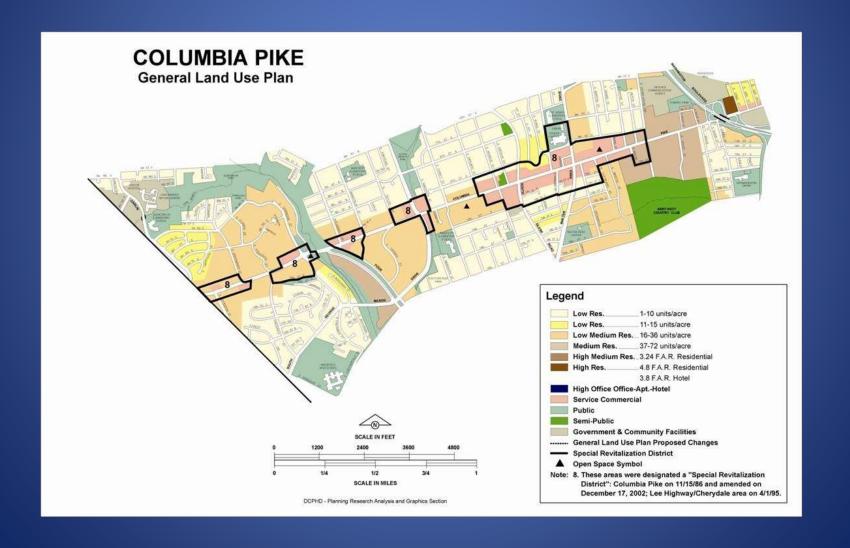








Arlington County VA Columbia Pike



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

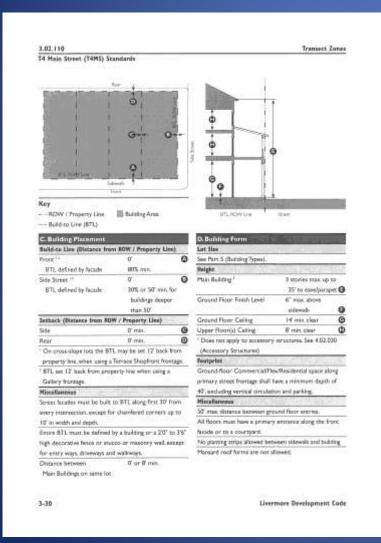




- Building
- Walls
- Roofs and Parapets
- Street Wall Required
- Windows and Doors
- Lighting
- Signage
- · Mechanical Equipment



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			0	0		
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



Demographic change

Housing affordability

Historic preservation









The Take-aways on Sustainability

FIVE KEY TARGETS FOR SUSTA	INABLE ZON	NING								
Key Form-Based Tools	Air Emissions / Climate Change	Energy, Conservation, andRenewable Energy	Water Conservation	Urban Agriculture	Walkability/ Public Health					
Building Types / Standards			0	0						
Frontage Types / Standards	0	0	0	0						
Public Space Standards	0	0	0	0						
Block and Subdivision Standards	0	0	0	0						
Regulating Plans	0	0	0	0	0					
Administration	0	0	0	0	0					
= Potentially significant contribu	ution									
= Moderate or mixed contribution other areas)	= Moderate or mixed contribution (e.g., impacts in more dense areas may be offset by impacts in other areas)									
= Little impact or no different th	an nonform-ba	sed controls								
-										

Demographic Change

- Average age increasing
- Household size decreasing

Ethnic diversity increasing

Multi-generational households increasing







The Rules That Shape Urban Form The Take-aways on Demographic Change

- Forms Help Sell Good Planning. Form-based controls can help "sell" the acceptability of small lot detached, attached, and multifamily building forms needed to address the growing number of smaller households, and aged households
- Don't Define Forms Narrowly. Be careful to define the forms and standards broadly enough to allow the types of specialized facilities (nursing homes, assisted care facilities, small hospitals, and social services facilities) needed to serve an aging and potentially poorer population
- Don't Lock in Bad Forms. Form-based controls based on current urban fabric can wind up "locking in" dispersed large lot single-family areas and make it harder for them to densify as needed to allow older families to age in place

Housing Affordability

Average market prices of housing have been rising faster than average wages for 50 years

 % of households spending more than 30% of income on housing

1960 = 29% \longrightarrow 2005: 49%





The Take-aways on Housing Affordability

- Forms Help Sell Good Planning. Form-based controls can help "sell" the acceptability of small lot detached, attached, and multifamily building forms needed to address the growing demand for affordable
 - and making low-density detached building forms <u>unavailable</u> in denser areas may prevent use of prime sites for less affordable housing types
- **Don't Forget Bonuses.** Don't remove height bonuses necessary to allow affordable builders to compete with market rate builders
- Don't Lock in Bad Forms. Form-based controls based on current urban fabric can wind up "locking in" dispersed large lot singlefamily areas and make it harder for them to densify as needed to meet affordable housing demand

The Take-Away

Not surprisingly, some elements of form-based controls can help achieve planning goals related to sustainability, affordability, and demographic change

. . .

While others perform no better than traditional controls

Be careful of locking in patterns and densities that will prevent the evolution and densification of lower-density neighborhoods over time – unless you really want that

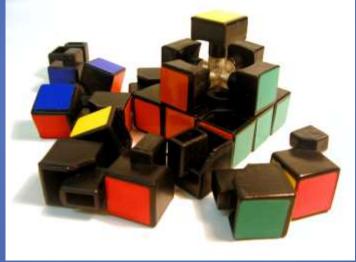
The Rules That Shape Urban Form Remember to "Unpack" the Idea . . . And then Take the Parts You Need

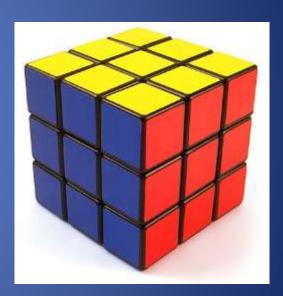




The Rules That Shape Urban Form Remember to "Unpack" the Idea . . . And then Take the Parts You Need







Six Questions to Consider Before Preparing Form Regulations...

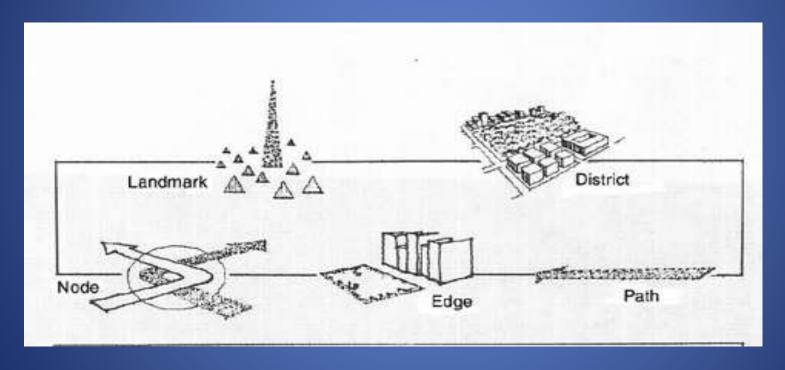


1. Will the form controls cover the entire community, or just certain areas?



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

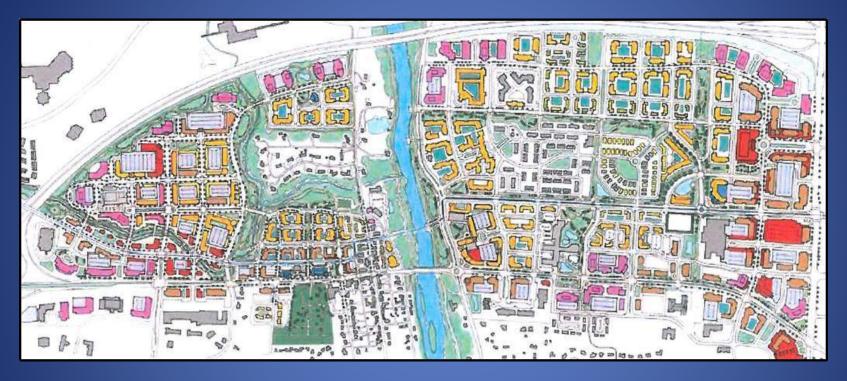
Kevin Lynch's Key Elements in How we Understand Cities



There are "Places" and "places"

– and many "places" do not need form-based controls

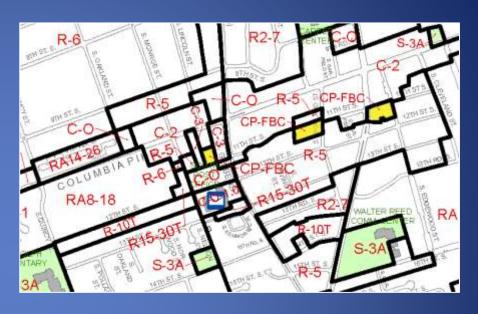
2. If it applies to only a specific area, is there a plan for that area?



- Is the plan more than a drawing?
- Be careful of locking in too much detail
 - Life never turns out like the picture on the box
 - Lots of unanticipated events will take place before buildout
 - How much detail do you need to make the place a success

3. Will the controls be mandatory or optional?





Many current codes are optional (parallel codes or floating zones)

- Mandatory codes may be harder to adopt
- Optional codes may make administration harder
- Both can be effective

4. Are the regulations for:

Greenfield sites?

- If one owner or cooperating owners, good to go
- Really a more disciplined PUD

Major redevelopment sites?

- If one owner or cooperating owners, you're lucky
- Watch out for proposals to reinvent street patterns they often require re-subdivision, relocation of utilities, money. Will the new controls apply until the new streets are in place

Small infill redevelopment sites over time?

- Don't make the current owners nonconforming
- Assume random timing/location of individual projects
- Don't require neighbors to prepare a joint regulating plan before proceeding

5. Will the form-based tools be "contextual" or "prescriptive"?





Knowing the answer makes the job easierand more transparent

Some benefits will depend on the answer

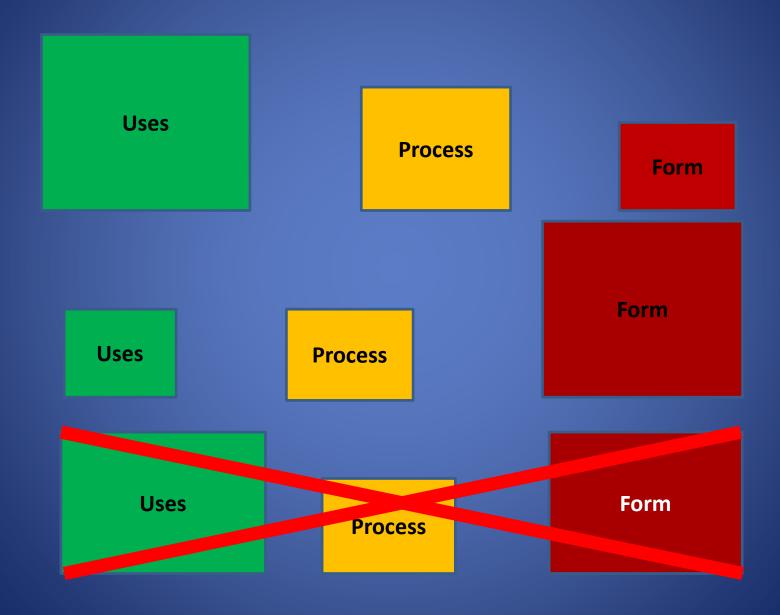
6. How will you treat existing development that doesn't meet the standards?





- "The greenest building is the one that has already been built"
- DON'T put them in "zoning parole" -- nonconformities

Remember to Lighten Up on Use Controls



Questions?

