## Using Form-Based Codes to Implement Urban Design Plans

Communities on the Line:

Transit and the Design of 21<sup>st</sup> Century Communities

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start with a specific place...



### **Conventional Zoning**



## OVERVIEW

- Purpose of form-based codes
- Concepts behind these codes
- Components of these codes
- For further information...



create a physical vision...



#### Sec. 25-82. Permitted uses.

No building, structure or land shall be used in the professional office district (PO) for the display, delivery and storage of equipment, or any retail

#### Sec. 25-84. Lot size.

The minimum size of lots in the professional office district (PO) shall be as follows:

Sec. 25-86. Lot coverage.

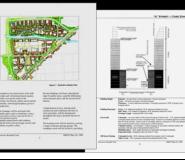
The maximum lot coverage in the professional office district (PO) shall be forty-five (45) percent.

Sec. 25-87. Building height. There is no limit on the height of buildings in the professional office district (PO), except that





embed the physical vision into local codes...



## Planned Unit Development Zoning

"The Planned Unit Development (PUD) zoning district is a special purpose zoning district that is intended to encourage innovative land planning and design and avoid monotony sometimes associated with large developments."

### the public realm?

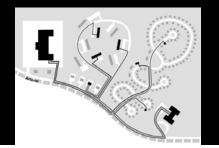


- Form-based code reform: applications
  - <u>bug fixes</u>: setbacks, mixed use, parking
  - greenfield / infill t.n.d.'s
  - splices: overlays, special area plans
  - citywide: SmartCode

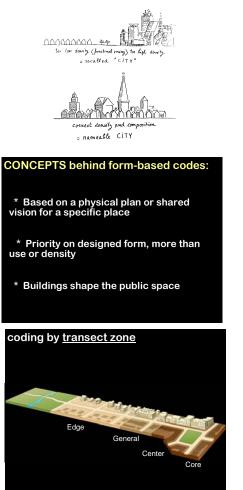
#### VILLAGE OF EUCLID, OHIO v. AMBLER REALTY CO., 272 U.S. 365 (1926)

Euclid Ohio was an emerging village on the edge of suburban Cleveland. In order to promote sound orderly growth, the city adopted a comprehensive plan and zoning ordinance.

## Planned Unit Development Zoning



#### How designers communicate:



### **Regulating plans:**



#### How engineers communicate:

			Lee County			
	Generaliz		our Two-W		Volumes	
		Url	banized Are			
					d:Vos02Vinp	wt1
		Uninterre	upted Flow	Highway		
			Level of Se	rvice		
Lane	Divided	A	B	С	D	Е
2	Undivided	170	590	1200	1700	2,280
4	Divided	1,740	2,820	4,080	5,280	6,000
6	Divided	2,610	4,230	6,120	7,920	9,000
Class I (>	0.00 to 1.99 :	signalized i	Arterials	s per mile)		
•••••			Level of Se			
	I Di tata I	A	В	С	D	E
Lane	Divided					
Lane 2	Undivided		500	1,330	1,570	
		790	500 2,860	1,330 3,330	1,570	**
2	Undivided	•				1,620

# COMPONENTS of form-based codes:

- 1. Regulating plan(s)
- 2. Building form standards
- 3. Architectural standards (optional)
- 4. Street standards

### coding by street type





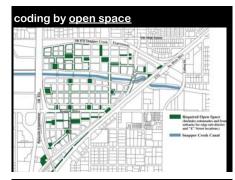
#### How planners and lawyers communicate:

<b>§</b> 25-82	FORT	MYERS CODE			
No l the pro deliver sales u or str structe occupi	5-82. Permitted uses. sulding, structure or land shall be used disaional office district (PO) for the displa nelses provided for herein, and no buildin ucture shall hereafter be used ( d for any purpose other than for one (1) d be following uses: Any permitted or conditional use in re- dential (A-3), excluding bearing, room	9, il or or i- i- a- (12)	<ol> <li>Plasmaspheresis centers. Such uses shall be permitted only in a hospital campus. For purposes of this section, 'hospi- tal' shall mean a facility li- censed by the state, provides has on-site secority and a min- imum of three hundred (300) beds. Legal services (SIC 81 all).</li> </ol>		
(2)	ing and lodging facilities, mobile hom parks, multi-family over sixteen (16) unit per acre and commercial wireless telecon munication facilities. Banking (SIC 60 all).	bs (14)	membership organization (SIC 86 all). Engineering, accounting, research, man- agement and related services (SIC 87), excluding 8744 facilities support manage- ment services.		
(3)	Credit agencies other than banks (SIC 6 all).		Services not elsewhere classified (SIC 899). Transportation services (472 only).		
(4)	Security and commodity brokers, dealer exchanges and services (SIC 62 all).	8, (17)	Along First Street and McGregor Boule- vard from U.S. 41 to the Edison Estate		

## Regulating plans start with a vision



Downtown Kendall - Plan by Duany Plater-Zyberk and Dover, Kohl & Partners



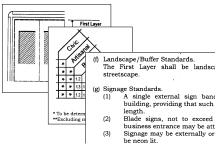
### **Building form standards:**

# Height

- 1. <u>Maximum Height</u>: 58 ft. above grade
- 2. <u>Minimum Height</u>: 2 stories at least 27 ft above grade. Dormers are not considered stories.
- 3. <u>First Story Elevation</u>: 10 ft floor to ceiling minimum.

University Heights neighborhood, Gainesville, FL

#### ALL modes of communication:

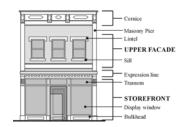


### coding by transect zone





#### Architectural standards, drawn:



## Architectural standards, written:

## Materials

•--- Building walls shall be clad in lapped boards, wood shingles, boards, battens or fiber-cement exterior siding such as "Hardie-Plank."

--- Building walls may be finished in brick, stucco, stone or cast stone.

#### College Park neighborhood, Gainesville, FL



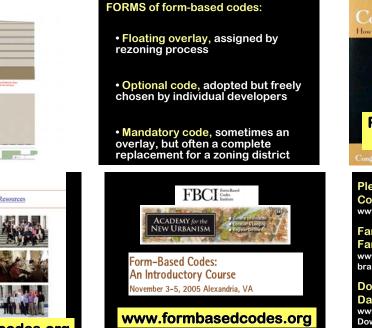
		24 
Home	FBCI Board Members	Resources

Street standards:

technique

The goals of the institute include:

 Setting standards for the practice of Form-Based Coding (FBC) www.formbasedcodes.org





Contra Costa County, CA: www.geoffreyferrell.com/id69

Farmer's Branch DART station, Farmer's Branch, TX: www.ci.farmersbranch.tx.us/Planning/Codes1project.html

Downtown Kendall, Dade County, FL:

www.doverkohl.com/project\_graphic\_pages\_pfds/ Downtown%20Kendall%20project%20page.pdf



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